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HIGHER EDUCATION SOLUTIONS NETWORK - ANNUAL REPORT (FY 2014)

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I. Executive Summary

In Year 2, IDIN made tremendous progress toward its goal to create and build a network of changemakers to enable the design, development and dissemination of innovations that address key development challenges.

This year marked the significant expansion and strengthening of IDIN's global reach. At the end of Year 2, IDIN counted **10 Consortium partners, 427 network members, and 73 innovations** in the pipeline, with members and innovations poised to grow exponentially in the coming years.

IDIN hosted two design Summits in Arusha, Tanzania: its inaugural two-week themed summit on Maternal and Child Health, and its classic five-week International Development Design Summit (IDDS). These summits added 8 promising innovations to IDIN's pipeline and 75 enthusiastic new innovators to the Network.

IDIN has also supported Network members with a range of new opportunities and platforms for funding, mentorship, training, and collaboration. IDIN strengthened and expanded its microgrant program and launched the picogrant program, awarding funding and business consulting services to 28 Network members to advance their innovations. Network members are increasingly reaching out to each other and local IDIN partners for support, creating connections across continents, sectors and languages.

IDIN's Innovation Centers and Institutional Partners have catalyzed local innovation beyond the summits, providing workshop space, tools and mentorship to innovators in Brazil, Uganda, Zambia and Tanzania. With their invaluable local presence, IDIN has extended Creative Capacity Building workshops and other design trainings and events to 2000 people across seven countries.

IDIN embarked on an ambitious research agenda to explore the characteristics and impacts of local innovation. It also spearheaded the Lean Research initiative, a movement whose momentum has already caught the attention of a wide range of actors in the development research community.

IDIN engaged students in each pillar of its programming, supporting 17 classes, 27 student researchers, and 90 student fellowships and practica in Year 2. These students, in turn, produced many new innovations and helped to move many of IDIN's innovations forward.

2. Major Milestones and Events Completed

Refined Strategy: In Year 2, IDIN successfully grounded, refined, and communicated its strategy. It achieved this through a concerted effort to engage partners in visioning discussions, to produce strategy statements for each program area, to clarify scopes of work for staff members and partners, and to tie these scopes of work to concrete **human and financial resources**.

New Staffing: IDIN expanded its headquarters team to fill out the key roles of Program Manager, Research Coordinator, Communications Coordinator, and Monitoring, Evaluation and Learning Coordinator. This expansion helped to address staffing gaps identified early in the program and have allowed activities to **accelerate and multiply**.

Strengthened Partnerships: IDIN expanded, consolidated and formalized its 10-member consortium, clarifying roles and strengthening communication with each partner. This robust consortium now includes five academic partners, three innovation center partners, and two institutional partners, and affords IDIN a year-round presence in six countries: the United States, Ghana, Brazil, Uganda, Tanzania, and Zambia. In Year 3, an eleventh partner in **Singapore will be added**.

Expanded Reach and Decentralized Implementation: Building on its new capacity and reach, IDIN's programs expanded considerably. Year 2 marked the launch and trial of several new initiatives: the expansion and diversification of summits, the launch of small grant programs, and the development of new platforms to engage and support network members, communities, and their innovations. This year also saw a marked decentralization of programmatic activities, with local partners and Network members taking greater responsibility in the implementation of activities and project continuity.

3. Key Activities

IDIN's Year 2 activities aimed to achieve its three objectives:

(1) Co-create effective solutions, (2) Build local capacity for innovation and design, and (3) Generate knowledge and spread the approach.

Objective 1: Co-Create Effective Solutions

At the end of Year 2, IDIN counted 73 active innovations in its pipeline. These were developed and supported through a group of IDIN initiatives: summits, innovation centers, student engagement, and project continuity support.

- **Summits (and other events):** This summer's International Development Design Summit engaged participants from 21 countries in the development and piloting of eight innovations with communities near Arusha, Tanzania. These projects are actively moving forward with the support of local partners ECHO and Twende-AISE. This year's Maternal and Child Health Summit, also in Arusha, produced six problem-framing briefs and formed a framework for future smaller, themed summits. The month-long Maker Faire at Kwame Nkrumah University of Science and Technology (KNUST), organized by the Ghana Engineering Student Association, invited seven teams of students to design and build innovative prototypes with the help of technical and faculty advisors. Three of

these technologies address key development challenges and have been added to the IDIN portfolio; these will be incubated and supported by KNUST's Center for Business Development.

- **Innovation Centers:** Three community workshops in Brazil, Uganda and Tanzania joined IDIN this year, enabling local innovators to develop and advance projects. To date, local innovators have leveraged these centers to develop over a dozen innovations, including a drip irrigation kit, a solar water heater, and a local internet venture.
- **Student Engagement:** Students from partner universities MIT, Olin, University of California at Davis, KNUST, and Colorado State University/United States International University (CSU/USIU) developed and piloted innovations as a central part of their coursework. Many also traveled to test their projects in the field. Further detail on student-led innovations can be found in the Classes table and the Fellowships and Practica table.
- **Project Continuity Support:** IDIN launched several mechanisms this year to help move projects along a pipeline. The microgrant program funded 17 projects with grants between USD 500 and 2000, and the picogrant program in Zambia funded 11 projects with grants between USD 50 and 300. Half of the microgrant cohort was also awarded business consulting services, including web-based sessions and one-on-one training on customer orientation and market research. IDIN also devised communication platforms and mentorship programs to allow innovators' to draw on the Network's collective knowledge to move their projects forward. Consortium partners in Ghana, Zambia and Tanzania have dedicated staff and resources to travel to IDDS partner communities to work directly with communities to advance projects.

The innovations in IDIN's pipeline encompass both physical technologies and creative business ventures, and they span across many development sectors. The following are a small sampling of technologies that achieved key milestones in Year 2.

- The **Underwater Dam-Free Turbine** powers refrigerators to store Zambian fishermen's daily catch. Previously, fishermen were forced to sell to the first buyer who came along in fear that the fish would spoil; refrigeration brings negotiation power. Network members Robert Shimaingo and Stephen Nvula developed this technology with the help of two IDIN microgrants in Year 2. Robert Shimaingo also served as a Designer-in-Residence at D-Lab in May 2014, where he presented this technology to current students and faculty. The two are seeking a business manager and building connections with fishing cooperatives; they expect to pilot and to achieve early adoption in Year 3.
- **Afya Poa** is a health insurance scheme for informal workers in Kenya, currently being piloted by USIU students in the Sustainable Enterprise MBAs for Africa program. These students created a partnership between a bank, a leading insurer, an insurance agency, and an informal sector association to extend health coverage to this population for daily premium payments of USD 0.40.
- **The Innovation Toolkit** is a set of teaching and building materials that introduce critical thinking, design and innovation into a secondary school curriculum. It was developed and piloted at IDDS 2014 in Arusha in partnership with the Maasai community of Orkolili, where it continues to be used

in the local school. In Year 3, this project will expand to Uganda and India with the help of an IDIN microgrant. Students from MIT's D-Lab's Development class will also travel to Uganda in January to work with Network member Betty Ikalany to further this project.

- **Zasaka**, a Zambian venture disseminating technologies to reduce post-harvest loss, has begun early adoption in Year 2. This venture spun off from a grain storage device designed in IDDS 2013. In Year 2, it received an IDIN microgrant as well as extensive support from UC Davis student research and fieldwork. IDIN Network members Carl Jensen and Sunday Silungwe are developing a distribution model for Zasaka. It has been selected to receive an IDIN-funded D-Lab Scale-Ups Fellowship in Year 3.

A full listing of IDIN innovations can be found in the Innovations table.

Objective 2: Build Local Capacity for Innovation and Design

IDIN embraces the **Creative Capacity Building (CCB)** approach across all of its programming. The expansion of IDIN's consortium and the launch of consortium member activities have allowed IDIN to more effectively spread this approach to local innovators through summits, local partner workshops, and Network members themselves. These activities reached **2000** participants in Year 2.

- **Summits:** In Year 2, IDIN recognized that in order to expand the number of Summits each year, headquarters would need to transition from an implementing role to a coordinating role. As a result, IDIN made a coordinated effort to transfer ownership of summits to local organizing teams and consortium partners. IDDS Tanzania was primarily led by UC Davis, Twende-AISE and CAMARTEC with IDIN headquarters in a coaching role. ECHO was introduced during the final weeks as the new consortium partner responsible for project continuity. Moving forward, IDIN will aim to engage partners responsible for continuity into Summits earlier.
- **Local Partner Workshops:** IDIN's three Innovation Centers in Brazil, Uganda and Tanzania formed the front lines for local engagement and capacity building. All three hosted numerous community outreach events and formal CCB workshops. In collaboration with IDIN's academic partners Olin and UC Davis, all three centers have strengthened their curricular toolkits. Institutional and academic partners also hosted similar workshops; collectively, the IDIN Consortium's design events reached over 1100 participants.
- **Kulika Study:** In Year 2, IDIN also undertook a significant CCB initiative in partnership with the Ugandan organization Kulika, laying the groundwork for a randomized controlled trial to test the impact of CCB on trainees. IDIN's Principal Investigator Amy Smith and Kofi Taha conducted a series of trainings for 18 trainers, who went on to teach 864 people throughout rural Uganda with support from IDIN.

- **Network Support:** IDIN has launched several Network support mechanisms geared toward the continued capacity building of Network members. Seven local alumni chapters were founded in Year 2 in Tanzania, Kenya, Zambia, Uganda, Brazil, Colombia and India, with the goal of supporting local collaboration and learning. Communication platforms such as Alche.my and the upcoming SMS platform seek to reach local innovators with less connectivity.

IDIN has discovered that individual Network members have launched many local capacity building efforts of their own, from village-level trainings to co-creation conferences. In Year 3, IDIN will explore ways to better support and capture these efforts.

Objective 3: Generate Knowledge and Spread the Approach

IDIN aims to achieve Objective 3 through research, classes, and student fellowships and practica.

- **Research:** In Year 2, the focus and scope of IDIN's research agenda crystallized in three key areas: Local Innovation Processes and Ecosystems; Development Impacts of Local Innovations; and Enabling and Scaling Local Innovation. Laying the foundation for this agenda, the research team produced a series of innovator profiles and case studies and has scoped studies to map innovation ecosystems, interview local innovators, and develop a local innovation index in Year 3.

IDIN co-founded the ****Lean Research**** approach in Year 2, reimagining human development research as Respectful, Relevant, and Right-Sized. In collaboration with Higher Education Solutions Network (HESN) Lab Comprehensive Initiative on Technology Evaluation (CITE) and the Tufts Fletcher School, IDIN co-hosted the Lean Research Convening in August and co-wrote the Lean Research Declaration and Guidelines. To date, 30 researchers have signed onto this declaration, and working groups have formed to study and support research projects using this approach.

IDIN supported 27 students in their research in Year 2. These projects ranged from social science research on local innovation to in-depth evaluations of particular technologies. Completed projects can be found in the Outputs table.

- **Classes:** IDIN supported 17 classes at our partner universities in Year 2 (Winter 2014, Spring 2014 and Fall 2014) reaching 288 students. These classes center on hands-on creation, testing, or piloting of technologies and ventures in the IDIN pipeline, in many cases featuring a fieldwork component. Additionally, two new classes with a more reflective approach launched at UC Davis this year: Intangibles of Development and Global Poverty: Critical Thinking and Taking Action. Detailed descriptions of all classes can be found in the Classes and Disciplines table.
- **Fellowships and Practica:** Through these classes and research initiatives, IDIN enabled 90 students to conduct fieldwork on technologies and ventures in 10 countries around the globe. With the addition of KNUST as a consortium member, IDIN was also able to directly support students from developing countries to do fieldwork in their own communities. This fieldwork is

increasingly focused on forwarding existing Network projects, leading to increased synergy between student learning and project advancement. These projects are detailed in the Fellowships and Practica table.

Communications

The hiring of IDIN's **Communications Coordinator** marked a turning point for IDIN's ability to share its work with the wider development community. Year 2 marked the establishment of a clear IDIN brand, with a visual identity and consistent language and messaging. It also launched several new communications platforms, including the IDIN Newsletter, blog, social media sites (Facebook, Twitter and LinkedIn), as well as platforms for Network engagement (Alche.my, mobile SMS platform). Through these, it was able to produce and share a number of news pieces, blogs, and videos; full detail can be found in the Communications table. The IDIN website is scheduled to launch in November of Year 3.

IDIN's Communications team has recognized increased opportunities to leverage D-Lab, MIT, and USAID channels to share its work. In addition, it has discovered that Network members themselves are powerful ambassadors of IDIN's work and has begun to explore ways to engage the Network in sharing and storytelling.

Travel

IDIN's staff travel this year focused heavily on partnership strengthening, capacity building, and summit implementation. A full breakdown of IDIN staff's international travel can be found in the Travel table; student travel is detailed in the Fellowships and Practica table.

4. Engagement of Partners and Other Actors

4.1.1 Interdisciplinary collaboration

IDIN engaged in the following interdisciplinary collaborations in Year 2:

- **Lean Research:** Described in further detail above, Lean Research is a crosscutting initiative led by researchers across disciplines, departments and universities. Collaborators include professionals from the fields of financial inclusion, microenterprise, economics, design, and program evaluation.
- **Expert Feedback and Mentorship:** IDIN has engaged professors and other experts from a range of disciplines, including energy, sanitation, business, and agriculture, to review project reports and provide feedback to design teams. IDIN has also engaged these experts as mentors for individual IDIN Network members.
- **Business Training:** IDIN has made a concerted effort to incorporate business and entrepreneurship training into its traditionally design-focused Summit curriculum. It has done this with the help of social entrepreneurship professors within and outside of the consortium.

4.1.2 Partner Engagement

As described in “Major Milestones,” Year 2 marked the expansion and consolidation of the IDIN Consortium. To that end, IDIN engaged in extensive travel, communication, and information sharing to onboard new partners and to align objectives and strategy.

- **Visioning Retreat:** The Visioning Retreat in February 2014 brought together the directors of each partner institution to brainstorm and align strategy for Year 2.
- **Advisory Committees:** One output of the visioning retreat was the creation of advisory committees for each of IDIN’s pillars (Summits, Research, Network, and Innovation Center). Principal Investigators from consortium institutes and individuals previously engaged with Summits serve on the advisory committees and support Coordinators with mentoring and key strategic decisions.
- **Feedback and planning:** In the third quarter of Year 2, IDIN organized conference calls with each consortium member to review Year 2 and discuss plans for Year 3. The outcome of the calls was early identification of collaboration points and an opportunity to identify lessons learned. IDIN also worked intensively with new partners to develop their Year 3 scopes of work and budgets and to identify collaboration points.
- **IDDS 2014:** This summer’s IDDS, largely developed by UC Davis faculty and staff, featured guest instruction and advising from Amy Smith of MIT, Ben Linder and Oscar Mur-Miranda of Olin, Carl Hammerdorfer of CSU and Scott Bellows of USIU.
- **IDDS Faculty Workshop:** This August, representatives from MIT, Olin, USIU, Caos Focado, and Singapore Polytech gathered in Maine to co-create curriculum for summits in Year 3.
- **Travel:** Staff at IDIN headquarters visited all ten Consortium partners at least once during the year. These visits allowed for relationship strengthening, knowledge sharing, and clear communication of objectives, roles, and processes. The Travel table provides a full description of all international trips.

4.2 Summary of Collaboration across HESN

During Year 2, the IDIN consortium membership grew considerably and the primary focus within the program was on defining relationships between consortium members, increasing visibility on the individual scopes of work of consortium partners within the consortium, and improving on communication channels within IDIN. As such, IDIN’s collaboration with other HESN partners outside of routine information sharing was limited. The following collaborations are of note:

- **Lab Directors’ Meeting:** IDIN staff had a number of strong conversations to explore potential collaboration with HESN partners at the Lab Directors meeting in April, but in the months following no progress was made on ideas/projects proposed for collaboration. Time

constraints for both parties and the challenges of nurturing new relationships from a distance were factors leading to lack of follow-through.

- **Lean Research:** IDIN is fortunate to have the CITE program co-located at MIT. This allows for frequent information sharing and creates the potential for easier collaboration should an opportunity arise. In year two, IDIN and CITE staff were integral in organizing and facilitating the Lean Research Convening held in July 2014, in which USAID staff also participated. IDIN and CITE are co-leading the Lean Research initiative going forward, detailed in “Key Activities” above.
- **Digital Development Team:** At the request of HESN, IDIN facilitated an introduction between Naomi Logan from the Digital Development team of the Global Development Lab with KNUST’s team. They met to explore the potential for a field visit in conjunction with an upcoming workshop that the Digital Development Team was organizing.
- **National Collegiate Inventors and Innovators Alliance (NCIIA):** Berkeley, Harvard and MIT delivered a joint presentation on failure and hindsight at NCIIA. IDIN has brainstormed next steps on how to collect and share data on failures and how to apply them as a community.
- **Botswana:** IDIN Principal Investigator Amy Smith began discussions with Texas A&M to identify possible points of collaboration around the Botswana summit in Year 3.

4. USAID Engagement

5.1. USAID/Washington Interactions

IDIN had active engagement with Global Health Bureau during the first quarter of Year 2 in the organizing and implementation of the Maternal and Child Health summit held in Tanzania. Karen Clune helped organize the Summit, provide introductions to the local Mission, participated in the event as a speaker and facilitator and was instrumental in the event’s success.

IDIN sought to inform USAID/Washington about its program and explore potential synergies in the following forums:

- **Lab Directors’ Meeting:** In addition to meetings with HESN partners, IDIN staff met with representatives from the USAID Resilience working group and with Microenterprise teams at the Lab Director’s meeting in April 2014. The focus of the conversation with the resilience group (Dr. Greg Collins) was to explore ideas about measuring resilience in general and changes in an individual’s self-efficacy in particular. Dr. Collins suggested Mercy Corps food security program in Karamoja, Uganda as a good example of their attempts of measuring change. Kofi Taha, from IDIN, followed up with the Mercy Corps team in Uganda to learn more and explore possible areas of collaboration. Those discussions are still underway. The IDIN team sought best practices and referrals to curriculum for innovators and new entrepreneurs from the microenterprise

representatives. IDIN learned that there was not one widely accepted curriculum and that most departments and organizations developed and used their own curriculum.

- **Office of U.S. Foreign Disaster Assistance (OFDA):** IDIN had a phone call followed by an in-person meeting in Cambridge with OFDA, led by Albert Gembara. IDIN provided a program overview and asked for advice on how best to share promising technology with humanitarian uses developed by IDIN with OFDA. OFDA said it would review technologies first and advise based on the item.
- **Global Development Lab Launch – NYC:** At the invitation of HESN, Amy Smith provided a hands-on workshop at the Launch to demonstrate that all individuals have the potential to be innovators. Audience members built inflatable lights in a 1.5-hour session that included students, guests, and staff from universities and USAID.
- **Frontiers in Development Conference:** IDIN staff manned the HESN booth, shared videos of IDIN Network members, conducted a focus group with USAID representatives from across the agency, and led a hands-on demonstration of smart lanterns. IDIN also presented two DevTalks on local innovation and smart systems in efforts to inform the public about USAID’s work in innovation.
- **Development Innovation Ventures (DIV):** Kristen Gendron from the DIV program visited CSU and met with the Global Social and Sustainable Enterprise (GSSE) staff on February 6th. The parties discussed past collaboration on respective review panels that evaluated ventures and planned for future collaborations.
- **Partnerships in Enhanced Engagement in Research (PEER) Networking Event:** HESN connected IDIN to the PEER program when they noticed that IDDS Tanzania coincided with a PEER Workshop in Arusha, both scheduled for August 2014. Approximately eight IDIN staff and associates from the consortium met with an equal number of PEER staff and attendees for informal information exchange. Individuals exchanged business cards and were encouraged to network independent of the two programs.

5.2. USAID Mission Interactions

During Year 2, IDIN’s interactions with USAID Missions were coordinated by HESN staff. IDIN coordinated with USAID/Tanzania’s health office in the organizing and implementation of the Maternal and Child Health summit. The office helped identify local participants and guest speakers.

Additional engagement consisted primarily of phone discussions between IDIN staff and Mission staff to inform them of upcoming Summits and explore synergies. IDIN interfaced with the Tanzania and Uganda Missions in year two and as follow-up to the discussions shared the Summit participant application process with interested parties. USAID/Tanzania was also informed of IDIN’s tender for a local partner and posted IDIN’s Expression of Interest document on their Facebook page. IDIN had e-mail exchanges with USAID/Ghana and USAID/India to inform them about upcoming student trips, although no visits were organized due to timing for both parties.

At the request of HESN, IDIN facilitated an introduction between Kamran Niazi of USAID/Pakistan and Mustafa Naseem from the University of Lahore.

6. Monitoring & Evaluation

6.1. M&E Updates

The hiring of a new **Monitoring, Evaluation and Learning Coordinator** in June has strengthened IDIN's ability to collect, verify and share information on IDIN's programs. At IDDS 2014, IDIN tested a new framework and toolkit for summit M&E, culminating in a series of internal presentations and reflections on lessons learned. The completion of a Network-wide census has given IDIN fuller visibility on the activities and needs of its members; these results will be ready to share in early Year 3. IDIN has also begun to developing standardized tracking and reporting structures for all partners. It plans to transfer all of its programmatic data to a dynamic database early in Year 3.

6.2. Deviance from M&E Targets

IDIN exceeded its targets for the number of innovations developed and piloted in Year 2. This surge is due to a significant expansion of both the consortium, allowing IDIN to support more innovators around the world, and of innovator support strategies, allowing IDIN to bring innovations into the pipeline in more ways. When the targets were set, IDIN's technology pipeline was limited to those produced in summits; now, innovations enter the pipeline through the microgrant and picogrant programs, innovation centers, student funding, and others.

IDIN is slightly behind its target on the adoption of these innovations, as the majority entered our portfolio in very early stages in the second half of Year 2. We expect to bolster this number in the coming year through a concerted focus on business development as part of IDIN's training and mentorship strategy.

The number of classes that IDIN supports fell short of the original target, due to a reinterpretation of how IDIN counts classes. Upon reassessment, we believe the original target set was unrealistically high. Rather than counting all relevant classes taught by our academic partner institutions, IDIN limits this number to those classes that are receiving funds or are engaged in supporting IDIN innovations. Participation in IDIN hubs, summits, and other problem-solving institutions reached 2000, compared to the target of 157. The Kulika study, which engaged 890 people in the Creative Capacity Building workshops, accounted for a large portion of this number. However, the remaining 1100 reflect the expansion of IDIN's consortium partners, who now conduct year-round community outreach, training, and innovator support.

IDIN's Consortium now numbers 11, and these partners often engage other actors outside the Consortium in their activities. This has allowed us to exceed our initial target for stakeholders engaged

in problem solving.

In Year 3, we may revisit the results framework to better reflect the direction in which IDIN's programs have evolved. As an example, IDIN's custom indicator on research outputs (IR 3.1 Indicators #1) captures only research on the impact of IDIN's own programs. As IDIN's research agenda has expanded to exploring local innovation beyond its own programs, we may seek to broaden this indicator as well.

Additionally, IDIN's custom indicators designed to capture local innovation and project continuity (IR 2.1 Indicators #1 and #2), are restrictive only to communities where summits have taken place. We are finding that these tallies make up only a small portion of the vibrant local innovation that IDIN has helped to facilitate through innovation centers, small grants, and design workshops. Notwithstanding, IDIN's strengthened presence year-round at summit locations will improve both the levels of continued community engagement and IDIN's ability to track it.

Finally, IDIN has come to realize that its programs have many unmeasured ripple effects, as its 427 Network members go on to design innovations, found businesses and teach workshops outside the auspices of IDIN's direct programming. While IDIN ends Year 2 well equipped to capture the activities and innovations of its Consortium partners, it would be nearly impossible to do the same for its rapidly expanding network of innovators (nor would their activities meet the definitions needed for inclusion). As a result, IDIN has made the decision to limit its official reporting to those outputs that received direct IDIN support in Year 2, while continuing to share the stories of its Network members' inspiring initiatives through other channels.

7. Lessons Learned / Best Practices

- IDIN can most effectively achieve its objectives when roles, deliverables, responsibilities, and expectations are made clear from the start. This applies to staff, consortium partners, and volunteer organizers. IDIN has now established a norm of writing and approving Scopes of Work in order to clarify these terms.
- The decentralization and scaling of Summits requires strong, responsive local partners to implement and drive the effort. Other success factors include early identification of partners and sites, adherence to a planning timeline, well-framed projects, and heavily engaged communities.
- Relatedly, IDIN can most successfully support project continuity when a local partner is in place. As a best practice, IDIN will identify a local partner (possibly a new consortium member) before a Summit to implement activities related to project continuity post-Summit, as it has done in Zambia and Tanzania.
- IDIN established a process for selecting summit locations that provided clear guidance and criteria for bidders as well as a strict timeline of deliverables. In Year 2, IDIN put its red light policy into effect when

it revoked the ownership of IDDS 2015 from the organizing team in Ghana due to missed deadlines. IDIN believes that these policies will help ensure the quality of summits as they expand.

- There is a clear need and demand for business training among IDDS participants and alumni. IDIN began to fill this gap with a “Business Boot Camp” in the last week of IDDS 2014, but further identification of appropriate curricular materials and improved integration is needed throughout the design curriculum.
- Between 10% and 20% of Network members lack regular access to the Internet and therefore miss out on many IDIN opportunities. In response to this challenge, IDIN is developing an SMS-based platform that will more effectively integrate and engage these members.
- Network members are engaging in capacity building efforts in their own communities, an unexpected and encouraging outcome. In Year 3, IDIN will reflect on what this means for the impact of its programs and the strength of its network, and it will explore ways to capture and support these activities.
- There is tremendous student interest in research on local innovation; however, few academics have made headway in this space. This research area is young and uncharted, allowing for ample opportunity for IDIN to contribute substantially.

8. Future Activities

For more detail, please refer to IDIN’s Year 3 work plan.

- **Partnerships:** IDIN’s partnership with Singapore Polytechnic will be formalized in Year 3, expanding IDIN’s reach to Asia.
- **Summits:** In Year 3, IDIN plans to expand to four summits. These will include three two-week summits: Rethink Relief in Uganda (November 2014), IDDS Zero Waste in Colombia (June 2015), and IDDS Botswana (August 2015). The original decision to host the full-length IDDS in Ghana was reversed when the local organizing team failed to meet early milestones; discussions are underway to select a new location.
- **Project Continuity:** IDIN will tackle project continuity from multiple angles: local partners, student engagement, and funding. IDIN’s local partners ECHO, Twende-AISE and NTBC will continue to provide support to projects and alumni from IDDS 2013 and 2014. In addition, IDIN’s academic partners have committed to furthering past summit projects through student research and fieldwork. The first round of microgrants will be announced in early Year 3 to help existing Network projects enter the next stage.
- **Platforms:** IDIN’s website and mobile SMS platform will launch in Year 3, allowing for strengthened external communication and network engagement.

- **Research:** Year 3 will see the piloting of the Lean Research approach, beginning with a literature review and a series of interviews with researchers in the field on the gaps in knowledge about local innovation.
- **Curriculum Strengthening:** Academic partners will collaborate on the strengthening of IDIN's curricular toolkits for summits, workshops, and university courses.
- **Local Outreach and Training:** IDIN's local partners will reach more community members through an expanded offering of workshops, competitions and showcases.
- **Monitoring and Evaluation:** IDIN will establish a database of programmatic data, improve upon its reporting structures, and conduct an internal midterm performance evaluation.

APPENDIX

APPENDIX I. HESN Monitoring & Evaluation (M&E) Indicators - FY 14

Code	M&E Code Description	Target Value	Reached Value	%
HESN_0in01	\$ Total dollar value of outside (non-USAID) resources utilized	1,449,073	725,101	50.0%
HESN_0in02	# transformative innovations, technologies, or approaches that were developed with human, financial, or institutional resources contributed by HESN Development Labs	26	49	188.5%
HESN_0in03	# transformative innovations, technologies, or approaches that were initially piloted with human, financial, or institutional resources contributed by HESN Development Labs	22	14	63.6%
HESN_0in04	# transformative innovations, technologies, or approaches that achieved early adoption with human, financial, or institutional resources contributed by HESN Development Labs	9	5	55.6%
HESN_0in05	# transformative innovations, technologies, or approaches that transitioned to scale with human, financial, or institutional resources contributed by HESN Development Labs	3	1	33.3%
HESN_0in06	# transformative innovations, technologies, or approaches evaluated with human, financial, or institutional resources contributed by HESN Development Labs	0	6	---
HESN_0in07_ Masters_F	# US Female MASTERS students serving as fellows		1	---
HESN_0in07_ Masters_M	# US Male MASTERS students serving as fellows		4	---
HESN_0in07_ Other_F	# US Female students (other or unknown degree program) serving as fellows		0	---
HESN_0in07_ Other_M	# US Male students (other or unknown degree program) serving as fellows		0	---
HESN_0in07_ PhD_F	# US Female PhD students serving as fellows		0	---
HESN_0in07_ PhD_M	# US Male PhD students serving as fellows		0	---

Code	M&E Code Description	Target Value	Reached Value	%
HESN_0in07_Undergrad_F	# US Female UNDERGRADUATE students serving as fellows		4	---
HESN_0in07_Undergrad_M	# US Male UNDERGRADUATE students serving as fellows		3	---
HESN_0in08	# innovations, technologies or approaches in the innovation pipeline		70	---
HESN_0in09	# innovations, technologies or approaches that completed at least one of the five stages in the innovation pipeline		58	---
HESN_0in10	# beneficiaries reached	0	120,866	---
HESN_1.1in1_NPR	# citations in targeted non-peer reviewed fora/publications/projects of data collected or made available through human, financial, or institutional resources contributed by HESN Development Labs		0	---
HESN_1.1in1_PD	# citations in targeted project documents of data collected or made available through human, financial, or institutional resources contributed by HESN Development Labs		0	---
HESN_1.1in1_PR	# citations in targeted peer-reviewed fora/publications/projects of data collected or made available through human, financial, or institutional resources contributed by HESN Development Labs		0	---
HESN_2.1zIDIN-in1	# products/innovations being developed in communities IDIN has targeted for capacity-building that were introduced during or inspired by summits and have continued to progress after the summits' conclusion		16	---
HESN_2.2in1	# white papers, articles, assessments, analyses, and evaluations on development challenges, innovations, technologies, approaches, and contexts (drafted with human, financial, or institutional resources contributed by HESN Developments Labs) published in targeted fora and publications OR provided to USAID operating units, HESN partners, and the broader development community	27	24	88.9%
HESN_2.2in2_NPR	# citations in targeted non-peer reviewed fora/publications of white papers, articles, assessments, analyses, and evaluations (drafted with human, financial, or institutional resources contributed by HESN Developments Labs) on development challenges, innovations, technologies, approaches, and contexts		0	---

Code	M&E Code Description	Target Value	Reached Value	%
HESN_2.2in2_PD	# citations in targeted peer-reviewed project documents of white papers, articles, assessments, analyses, and evaluations (drafted with human, financial, or institutional resources contributed by HESN Developments Labs) on development challenges, innovations, technologies, approaches, and contexts		0	---
HESN_2.2in2_PR	# citations in peer-reviewed fora/publications of white papers, articles, assessments, analyses, and evaluations (drafted with human, financial, or institutional resources contributed by HESN Developments Labs) on development challenges, innovations, technologies, approaches, and contexts		0	---
HESN_2.2zIDIN-in1	# white papers, articles, assessments, and analyses on the development impacts of IDIN's approach published, presented, and/or provided to the academic and development communities		4	---
HESN_2.3in1	# MOUs or other agreements signed with public sector, private sector, local community partners, and one HESN Development Lab	4	13	325.0%
HESN_2.3in2	# stakeholders engaged in problem solving with one HESN Development Lab	42	21	50.0%
HESN_3.0in2	# MOUs or other agreements signed with public sector, private sector, and local community partners and more than one HESN Development Lab	0	1	---
HESN_3.0in3	# new development related classes or disciplines created by university departments with human, financial, or institutional resources contributed by HESN Development Labs	0	2	---
HESN_3.0zIDIN-in1	# IDIN network members		427	---
HESN_3.0zIDIN-in2	# people from communities that IDIN has targeted for capacity building actively engaged in developing products, innovations and/or ventures that were introduced during or inspired by IDDS or other summits		47	---
HESN_3.2zIDIN-in1	# requests from USAID operating units, IDIN partners, and other development agencies for data, tools, methods, or approaches generated by IDIN that are fulfilled by IDIN		6	---
HESN_3.3in1	# classes supported by HESN Development Labs with human, financial, or institutional resources contributed by HESN Development Labs	9	16	177.8%
HESN_3.3in2	# collaborative platforms created by the HESN or with human, financial, or institutional resources contributed by HESN Development Labs	3	15	500.0%

Code	M&E Code Description	Target Value	Reached Value	%
HESN_3.4in1_Masters_F	# Female MASTERS students participating in short term practica		3	---
HESN_3.4in1_Masters_M	# Male MASTERS students participating in short term practica		2	---
HESN_3.4in1_Other_F	# Female students (other or unknown degree program) participating in short term practica		0	---
HESN_3.4in1_Other_M	# Male students (other or unknown degree program) participating in short term practica		0	---
HESN_3.4in1_PhD_F	# Female PhD students participating in short term practica		0	---
HESN_3.4in1_PhD_M	# Male PhD students participating in short term practica		0	---
HESN_3.4in1_Undergrad_F	# Female UNDERGRAD students participating in short term practica		24	---
HESN_3.4in1_Undergrad_M	# Male UNDERGRAD students participating in short term practica		7	---
HESN_3.4in2	# Hubs created with human, financial, or institutional resources contributed by HESN Development Labs	2	0	0.0%
HESN_3.4in3	# participants in Hubs, summits, and other problem-solving institutions created with human, financial, or institutional resources contributed by HESN Development Labs	150	2,001	1334.0%
HESN_3.4zIDI N-in1	# students, staff, and faculty conducting research with IDIN's research team		30	---

APPENDIX II.A. Innovations: Technologies and Approaches - FY 2014

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Lean Research	A new framework (including guidelines and standards) for conducting field research involving humans in development contexts.	United States	Stage 1: Development	88	No	No
Technology	Avocado Oil Press	Avocados in Leguruki are a plentiful resource but have very little value, selling for as little as 25 TSh per avocado when sold in bulk. They are underutilized as well: approximately 50% of avocados cannot be sold or eaten and consequently end up being wasted. Avocado oil extraction addresses many of the problems faced by villagers in Leguruki, as avocado oil is a versatile and high value product as both a cooking oil and cosmetic ingredient. Four avocado oil press prototypes have been developed, and the team is now developing prototypes for solar drying of avocados to prepare them for pressing.	Tanzania	Stage 1: Development	2	Yes	No
Technology	Avocado Oil Press	Avocados in Leguruki are a plentiful resource but have very little value, selling for as little as 25 TSh per avocado when sold in bulk. They are underutilized as well: approximately 50% of avocados cannot be sold or eaten and consequently end up being wasted. Avocado oil extraction addresses many of the problems faced by villagers in Leguruki, as avocado oil is a versatile and high value product as both a cooking oil and cosmetic ingredient. Four avocado oil press prototypes have been developed, and the team is now developing prototypes for solar drying of avocados to prepare them for pressing.	Tanzania	Stage 2: Initial Piloting	2	Yes	No
Technology	Pedal-Powered Coffee Sheller	Traditionally, small scale farmers in Leguruki, Tanzania separate the coffee cherry from the bean using a hand-crank operated shelling machine. This process requires a great deal of human effort and causes much strain on the human body. By affixing a pedaling mechanism to these machines, this technology substantially reduces the time and effort it takes to achieve this important step in the coffee process.	Tanzania	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Pedal-Powered Coffee Sheller	Traditionally, small scale farmers in Leguruki, Tanzania separate the coffee cherry from the bean using a hand-crank operated shelling machine. This process requires a great deal of human effort and causes much strain on the human body. By affixing a pedaling mechanism to these machines, this technology substantially reduces the time and effort it takes to achieve this important step in the coffee process.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Technology	Manual Hay Baler	Agricultural practices are a recent introduction in the traditionally nomadic Maasai community. Historically, grazing has been the predominant way of feeding livestock, but there is a shortage of land for grazing caused by urbanization, desertification and private land acquisition. The hay baler provides a means to compress and store grass during the dry season and improves livestock feeding and fodder management strategies by baling fodder into specific, measurable amounts.	Tanzania	Stage 1: Development	0	Yes	No
Technology	Manual Hay Baler	Agricultural practices are a recent introduction in the traditionally nomadic Maasai community. Historically, grazing has been the predominant way of feeding livestock, but there is a shortage of land for grazing caused by urbanization, desertification and private land acquisition. The hay baler provides a means to compress and store grass during the dry season and improves livestock feeding and fodder management strategies by baling fodder into specific, measurable amounts.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Technology	Sisal Rainwater Harvesting System	Water accessibility in Makanya is very limited especially during the dry season. A rain water harvesting system was designed focusing on affordability by using the materials available locally (sisal poles) to increase the access to water and the independency of the water distribution system. With a 5,000L tank, a family of 5 people can have water for 50 days.	Tanzania	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Sisal Rainwater Harvesting System	Water accessibility in Makanya is very limited especially during the dry season. A rain water harvesting system was designed focusing on affordability by using the materials available locally (sisal poles) to increase the access to water and the independency of the water distribution system. With a 5,000L tank, a family of 5 people can have water for 50 days.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Technology	Bean Thresher	Hand threshing and separation is labor-intensive and time-consuming and results in post-harvest losses. A portable threshing and separation machine operated by bicycle power or by hand will reduce processing time and costs, while improving ergonomics for small farmers.	Tanzania	Stage 1: Development	0	Yes	No
Technology	Bean Thresher	Hand threshing and separation is labor-intensive and time-consuming and results in post-harvest losses. A portable threshing and separation machine operated by bicycle power or by hand will reduce processing time and costs, while improving ergonomics for small farmers.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Technology	Smartphone Anemia Diagnosis	Private clinics and dispensaries do not have access to accurate anemia testing devices and must rely solely on clinical diagnosis by the naked eye. This smartphone application assists medical practitioners in diagnosing anemia by checking for pallor in the conjunctiva, which is a sign of anemia.	Tanzania	Stage 1: Development	0	Yes	No
Technology	Manure Spreader	This low-cost manure spreader allows farmers to accurately apply the right amount of manure to their target crops. This saves farmers labor and increases yield through more precise application of manure. The technology is the lowest cost manure spreader available, by making small changes to farmers' existing ox-carts and minimizing materials cost, using simple, easily available parts. The key components can be fabricated in a modern workshop, and local tradesmen can install it for farmers in their villages.	Tanzania	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Manure Spreader	This low-cost manure spreader allows farmers to accurately apply the right amount of manure to their target crops. This saves farmers labor and increases yield through more precise application of manure. The technology is the lowest cost manure spreader available, by making small changes to farmers' existing ox-carts and minimizing materials cost, using simple, easily available parts. The key components can be fabricated in a modern workshop, and local tradesmen can install it for farmers in their villages.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Technology	Sunflower Winnowing	This fan-based mechanism cleans sunflower seeds from the chaff. It will serve as a locally relevant Build-It for the innovation toolkit.	Tanzania	Stage 1: Development	0	Yes	No
Technology	Sunflower Winnowing	This fan-based mechanism cleans sunflower seeds from the chaff. It will serve as a locally relevant Build-It for the innovation toolkit.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Approach	Innovation Toolkit for Schools	The innovation toolkit was designed to equip local school leaders with the necessary information and technical know-how to implement a design project in school. It consists of a curriculum of Build-Its relevant to problems faced by the community, including instructions, teaching support materials and local materials required to build the product.	Tanzania	Stage 1: Development	0	Yes	No
Approach	Innovation Toolkit for Schools	The innovation toolkit was designed to equip local school leaders with the necessary information and technical know-how to implement a design project in school. It consists of a curriculum of Build-Its relevant to problems faced by the community, including instructions, teaching support materials and local materials required to build the product.	Tanzania	Stage 2: Initial Piloting	0	Yes	No
Approach	Pen-D	A low-cost fetoscope and prenatal care pack useable by family members to monitor the heart rate and vitals of the baby. This technology is designed to improve paternal involvement during pregnancy.	Tanzania	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Drip Irrigation Kit	In a water scarce environment, this drip irrigation technology seeks to reduce the amount of water needed to maintain home vegetable gardens.	Tanzania	Stage 1: Development	15	Yes	No
Technology	Drip Irrigation Kit	In a water scarce environment, this drip irrigation technology seeks to reduce the amount of water needed to maintain home vegetable gardens.	Tanzania	Stage 2: Initial Piloting	15	No	No
Technology	Pedal-Powered Juice Blender	This pedal-powered device makes fruit juice without need for electricity, adding value to fruit and providing an income-generation opportunity for families.	Tanzania	Stage 1: Development	10	Yes	No
Technology	Pedal-Powered Juice Blender	This pedal-powered device makes fruit juice without need for electricity, adding value to fruit and providing an income-generation opportunity for families.	Tanzania	Stage 2: Initial Piloting	10	No	No
Technology	Solar Heater	This home solar water heater is an affordable alternative to existing water heaters on the market and uses renewable energy rather than electricity or biofuel.	Tanzania	Stage 1: Development	4	Yes	No
Technology	Solar Heater	This home solar water heater is an affordable alternative to existing water heaters on the market and uses renewable energy rather than electricity or biofuel.	Tanzania	Stage 2: Initial Piloting	4	No	No
Technology	Animal Power Generation	With this device, oxen can be used to drive stationary machinery such as a maize mill, maize shelling machine, water pump etc. The first application being investigated is the driving of a generator for charging batteries or possibly for heating water directly for cooking.	Tanzania	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Ripper	This is an agricultural device for opening a slot in the ground to allow rain water to pass into sub-soil, where a large quantity can be retained and later accessed by the roots of the next growing crop. It is an alternative to the plough and allows the soil to be disturbed minimally so that soil organisms which are damaged by ploughing can multiply. The technology is to optimize the design of the ripper tine and to develop two dispensing devices so that compost, and later seeds, may be applied to the soil during ripping.	Tanzania	Stage 1: Development	0	Yes	No
Technology	Multi-Brick Making Machine	This machine mold makes multiple bricks at once, saving time over the previous method of creating one brick at a time.	Uganda	Stage 1: Development	33	Yes	No
Technology	Multi-Brick Making Machine	This machine mold makes multiple bricks at once, saving time over the previous method of creating one brick at a time.	Uganda	Stage 2: Initial Piloting	33	No	No
Technology	Community Radio	Wireless community radio transmitting programming to cell phones and computers. In the next phase of development, it is being adapted to reach open street speakers.	Brazil	Stage 1: Development	100	Yes	No
Technology	Community Radio	Wireless community radio transmitting programming to cell phones and computers. In the next phase of development, it is being adapted to reach open street speakers.	Brazil	Stage 2: Initial Piloting	100	No	No
Technology	Low-Cost Internet for the Favelas	A system allowing low income people in the favela to have free or cheap access to the internet	Brazil	Stage 1: Development	35	Yes	No
Technology	Low-Cost Internet for the Favelas	A system allowing low income people in the favela to have free or cheap access to the internet	Brazil	Stage 2: Initial Piloting	35	No	No
Technology	Rabo - Quente	Locally produced water heater	Brazil	Stage 1: Development	1	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Solar Water Heater	Solar water heater using heat transfer from refrigerator	Brazil	Stage 1: Development	1	Yes	No
Technology	Egex	The Egex vision is one which seeks to build a cost effective and complementary energy source, in the form of a biogas digester using materials easily found in homes and using the gas produced for generation of electricity and cooking. The biogas digester that we seek to build will consist of a digester, storage unit and the energy generation unit and has been tailored to suit the average Ghanaians electricity demand by utilizing the organic matter generated in the house, mainly kitchen waste.	Ghana	Stage 1: Development	0	Yes	No
Technology	Smart Trash Bin	<p>Waste Management is a big problem not only in Ghana but throughout the world. Despite the menace waste products, it is also a known fact that if these waste are properly sorted and manage, millions of dollars can be generated from it. In Ghana and on campus, there have been several attempts to successfully sort out waste at collection point through manual sorting but these attempts are still yet to realize their full potential.</p> <p>We aim to design a SMART TRASH BIN which when completed, will be able to automatically sort-out/ separate solid waste into its various components, making it easier for recycling to be done. This will hope will enable us to achieve successful waste management at the college, campus etc and generate funds for it.</p>	Ghana	Stage 1: Development	0	Yes	No
Technology	PySpy	<p>Fire disasters that keep striking the country have caused damage to life and properties worth GH¢2,427,911.00 and this merely covers January and February 2014(GhanaWeb).</p> <p>In light of this InGineX Solutions designed PySpy,an intelligent computer vision based system that utilizes two cameras and a few other sensors to accurately detect fire outbreaks before they get out of hand. It then alerts and directs the nearest Fire Station to the sighting for fast and effective control of the flames.</p>	Ghana	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Cassava Grater Teeth Evaluation	Experimental evaluation of cassava grater teeth to optimize cutting performance	Ghana	Stage 1: Development	0	Yes	Yes
Technology	Cassava Mini Press	Mini cassava press for use by rural women in the production of gari	Ghana	Stage 1: Development	6	Yes	No
Technology	Cassava Mini Grater	Mini cassava grater for use by rural women in the production of gari and other applications	Ghana	Stage 2: Initial Piloting	24	Yes	No
Technology	Cassava Mini Grater	Mini cassava grater for use by rural women in the production of gari and other applications	Ghana	Stage 3: Early Adoption	24	No	No
Technology	Product Usage Pattern Tracking	Vibration sensors and data loggers to monitor agricultural machine usage patterns	Ghana	Stage 1: Development	2	Yes	Yes
Technology	Product Usage Pattern Tracking	Vibration sensors and data loggers to monitor agricultural machine usage patterns	Ghana	Stage 2: Initial Piloting	2	No	No
Technology	Aluminum Casting Evaluation	Material science analysis of aluminum castings in Zambia to identify areas for improvement	Zambia	Stage 1: Development	0	No	Yes
Technology	Mobile Irrigation System	Imagined by former UC Davis D-Lab student Abe Salomon, this agricultural irrigation system has gone through several rounds of design iterations in D-Lab. The technology is being developed by Agriworks Uganda Ltd.	Uganda	Stage 2: Initial Piloting	10	Yes	No
Technology	Mobile Irrigation System	Imagined by former UC Davis D-Lab student Abe Salomon, this agricultural irrigation system has gone through several rounds of design iterations in D-Lab. The technology is being developed by Agriworks Uganda Ltd.	Uganda	Stage 3: Early Adoption	10	No	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Zasaka Grain Storage Venture	Zasaka, a grain and maize storage venture to eliminate post-harvest loss, empowers Zambian farmers to eliminate seasonal hunger in their own homes and in the homes of their greater community. We introduce technologies and training that help farmers produce more food, preserve what they've earned, and raise the long-term welfare of farming families.	Zambia	Stage 2: Initial Piloting	100	Yes	No
Approach	Zasaka Grain Storage Venture	Zasaka, a grain and maize storage venture to eliminate post-harvest loss, empowers Zambian farmers to eliminate seasonal hunger in their own homes and in the homes of their greater community. We introduce technologies and training that help farmers produce more food, preserve what they've earned, and raise the long-term welfare of farming families.	Zambia	Stage 3: Early Adoption	100	No	No
Approach	Second Chance Vietnam	The secondhand goods industry has grown rapidly in recent years in Vietnam due to the economic slowdown and young consumers' increased environmental awareness. However, this market has been in disarray with many small disorganized shops selling low quality goods from unclear sources, resulting in low consumer trust. Second Chance Vietnam (aka Siêu Thị Xanh) is a high-end consignment store where consignors sell their good quality used goods including apparel, furniture, kitchenware, and children's merchandise for a profit. Green Second Chance's objective is to ensure the origin and quality of the goods, as well as provide excellent customer service. This venture provides triple bottom line impact by income generation, encouraging recycling and reuse, and empowering poor and at-risk youth through education, training and employment opportunities.	Viet Nam	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	VidaForte	Of the 200 million citizens living in Brazil, 75% rely on the universal health care system in place. However, there are only 1.3 doctors per 1000 individuals, not nearly enough to attend to those in need. The demand far exceeds the supply burdening the system, and as a result, a unique culture has evolved within the lower income demographic: seeking out treatment, prescriptions, or even just basic information has to be weighed against other daily priorities. VidaForte provides relevant and reliable information to facilitate access to healthcare providers through an existing mobile health solution adapted to the needs of Brazilians. VidaForte reduces the pressure on the public healthcare system by directing patient traffic to dependable and affordable alternatives.	Brazil	Stage 1: Development	0	Yes	No
Approach	Jamiifunding	One of the many problems facing entrepreneurs in developing countries is access to capital and funding facilities to allow their business ventures to succeed in the current market conditions. Jamii Funding is linking social entrepreneurs to capital by utilizing a crowd-funding model and mobile phone money services. Jamii also partners with philanthropic organizations interested in funding social entrepreneurs in East Africa. Potential impacts include raising capital for different business projects, creating awareness of the entrepreneurial nature in Kenyan universities, and offering marketing expertise to the entrepreneurs on how to raise funds and manage their ventures.	Kenya	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Ngamia Feast	Utilizing indigenous methods to preserve camel meat, Ngamia Feast provides extra income to Kenyans in northern arid regions. While camels exist as the only livestock that thrives in northern Kenya, shepherds until now largely consumed camel meat for their own consumption and for nearby villages. Ngamia Feast now procures camel meat directly from the shepherds, preserves the meat, and sells the meat through grocery store venues in Nairobi. Shepherds get higher returns. Nairobians receive more nutritional variety. Local curiosity about the meat, health conscious consumers, as well as certain ethnic groups familiar with camel meat drives sales. The venture launched in the spring of 2013. The venture still needs to scale its operations.	Kenya	Stage 2: Initial Piloting	0	No	No
Approach	Afya Poa	Students launched an “Insurance for All” scheme in spring 2014 to enable informal sector workers to purchase health insurance at affordable prices. Traditionally, health insurance in East Africa remains a privilege of the wealthy class. However, donor involvement has pushed insurance companies to offer “micro insurance”, but not in a sustainable fashion. Insurance companies with micro insurance products require clients to pay a whole year in advance. Informal sector workers cannot afford a whole year’s worth of premiums upfront. SEMBAA students created a partnership between a bank, a leading insurer, an insurance agency, and the informal sector association to allow clients to pay premiums daily totally roughly US\$0.40. The UK Government has committed US\$64,772 to capacity build the team through the current pilot.	Kenya	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Afya Poa	Students launched an “Insurance for All” scheme in spring 2014 to enable informal sector workers to purchase health insurance at affordable prices. Traditionally, health insurance in East Africa remains a privilege of the wealthy class. However, donor involvement has pushed insurance companies to offer “micro insurance”, but not in a sustainable fashion. Insurance companies with micro insurance products require clients to pay a whole year in advance. Informal sector workers cannot afford a whole year’s worth of premiums upfront. SEMBAA students created a partnership between a bank, a leading insurer, an insurance agency, and the informal sector association to allow clients to pay premiums daily totally roughly US\$0.40. The UK Government has committed US\$64,772 to capacity build the team through the current pilot.	Kenya	Stage 2: Initial Piloting	0	No	No
Approach	Supreme Value Plus Enterprises	Recognizing the need for increased incomes from rural farmers, students desired to create ways for farmers to dry their crops for future sale instead of producing rotting or being taken advantage of by middlemen. Using simple technology fostered by the International Design and Development Summit (IDDS) in Zambia during 2013, Supreme Value Plus Enterprises enables women’s groups to dry vegetables and fruit. The students’ company then packages the dried produce and sells to grocery stores.	Kenya	Stage 1: Development	0	Yes	No
Approach	Supreme Value Plus Enterprises	Recognizing the need for increased incomes from rural farmers, students desired to create ways for farmers to dry their crops for future sale instead of producing rotting or being taken advantage of by middlemen. Using simple technology fostered by the International Design and Development Summit (IDDS) in Zambia during 2013, Supreme Value Plus Enterprises enables women’s groups to dry vegetables and fruit. The students’ company then packages the dried produce and sells to grocery stores.	Kenya	Stage 2: Initial Piloting	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Supreme Value Plus Enterprises	Recognizing the need for increased incomes from rural farmers, students desired to create ways for farmers to dry their crops for future sale instead of producing rotting or being taken advantage of by middlemen. Using simple technology fostered by the International Design and Development Summit (IDDS) in Zambia during 2013, Supreme Value Plus Enterprises enables women's groups to dry vegetables and fruit. The students' company then packages the dried produce and sells to grocery stores.	Kenya	Stage 3: Early Adoption	0	No	No
Approach	Inborn Solutions, Ltd.	Students formed an integrated engineering firm that offers power, energy efficiency and renewable energy solutions to organizations with mission critical infrastructure, specifically telecommunication firms, medical facilities, financial institutions, and utility companies. The solution seeks to enable battery banks to function as the preferred backup system instead of diesel powered generators which are expensive to run and pollute the environment. The service also dramatically extends battery life five-fold before replacement battery banks must be installed. By adopting Inborn Solutions' power solution, a telecom company with significant number of sites, for example, will greatly reduce its operational costs and carbon footprint. The venture formed in fall 2013, attracted industry buzz, incorporated, launched, and received an IDIN micro-grant in summer 2014.	Kenya	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Inborn Solutions, Ltd.	Students formed an integrated engineering firm that offers power, energy efficiency and renewable energy solutions to organizations with mission critical infrastructure, specifically telecommunication firms, medical facilities, financial institutions, and utility companies. The solution seeks to enable battery banks to function as the preferred backup system instead of diesel powered generators which are expensive to run and pollute the environment. The service also dramatically extends battery life five-fold before replacement battery banks must be installed. By adopting Inborn Solutions' power solution, a telecom company with significant number of sites, for example, will greatly reduce its operational costs and carbon footprint. The venture formed in fall 2013, attracted industry buzz, incorporated, launched, and received an IDIN micro-grant in summer 2014.	Kenya	Stage 2: Initial Piloting	0	Yes	No
Approach	Inborn Solutions, Ltd.	Students formed an integrated engineering firm that offers power, energy efficiency and renewable energy solutions to organizations with mission critical infrastructure, specifically telecommunication firms, medical facilities, financial institutions, and utility companies. The solution seeks to enable battery banks to function as the preferred backup system instead of diesel powered generators which are expensive to run and pollute the environment. The service also dramatically extends battery life five-fold before replacement battery banks must be installed. By adopting Inborn Solutions' power solution, a telecom company with significant number of sites, for example, will greatly reduce its operational costs and carbon footprint. The venture formed in fall 2013, attracted industry buzz, incorporated, launched, and received an IDIN micro-grant in summer 2014.	Kenya	Stage 3: Early Adoption	0	No	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Nina Enterprises	Building on an IDDS innovation in sanitary towels, the student firm puts sanitary towel dispensing machines in ladies' washrooms in urban areas. and stocks them with a variety of sanitary towels from different manufacturers. The machines only dispense one sanitary towel at a time and our customers only need to insert the amount of coins required to buy the sanitary towels needed. Such a standard Western practice was previously unheard of in East Africa.	Kenya	Stage 1: Development	0	Yes	No
Approach	Ghala Project	Also implementing an IDDS technology, the Ghala Project focuses on grain storage. One hundred and sixty two million tons or 30% of maize harvested in Kenya is destroyed by post-harvest grain pest due to poor storage. The bulk of Kenya's grain is stored by the National Cereals and Produce Board (NCPB), with its 110 silos and depots countrywide has a total storage capacity of 20,403,500 bags of 90 kgs, this translates to 1,838,153 MT. NCPB's capacity can only store 50% of what is harvested. There is a great opportunity to bridge the gap by providing storage facilities to the underserved market.	Kenya	Stage 1: Development	0	Yes	No
Approach	3D Printing	Students successfully strategized and then imported an industrial 3D printer and charges local engineers and architects to print models. The service saves firms shipping costs of importing such models, improves accuracy of designs, and reduces carbon emissions as compared to the alternative options available.	Kenya	Stage 1: Development	0	Yes	No
Approach	3D Printing	Students successfully strategized and then imported an industrial 3D printer and charges local engineers and architects to print models. The service saves firms shipping costs of importing such models, improves accuracy of designs, and reduces carbon emissions as compared to the alternative options available.	Kenya	Stage 2: Initial Piloting	0	No	No
Approach	Healthy Life	Students formed a consultancy firm to give nutritional and lifestyle advice and sell imported nutrition products from the United States.	Kenya	Stage 1: Development	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Healthy Life	Students formed a consultancy firm to give nutritional and lifestyle advice and sell imported nutrition products from the United States.	Kenya	Stage 2: Initial Piloting	0	No	No
Technology	EzyLife Kenya	SEMBAA students teamed up with Colorado State University engineers in Fort Collins, Colorado, to contemplate the salability of a new low cost building material: concrete mixed with foam.	Kenya	Stage 1: Development	0	Yes	No
Technology	EzyLife Kenya	SEMBAA students teamed up with Colorado State University engineers in Fort Collins, Colorado, to contemplate the salability of a new low cost building material: concrete mixed with foam.	Kenya	Stage 2: Initial Piloting	0	No	No
Approach	Ghetto Light Youth	Students formed a talent school for non-traditional careers for primary and secondary school students living in Nairobi slums without income or high enough grades to continue their education.	Kenya	Stage 1: Development	0	Yes	No
Technology	Bio-Charring Unit	This thesis describes the process of designing and testing a kiln that produces biochar from the shells of the jatropha plant to be used as a soil nutrient supplement and as briquettes for fuel.	Ghana	Stage 1: Development	0	Yes	Yes
Technology	Charcoal Briquette Machine	This thesis describes the process of designing and testing a charcoal briquetting machine to produce fuel from jatropha husks and cassava starch.	Ghana	Stage 1: Development	0	Yes	Yes
Technology	Mango Juice Extractor	This thesis describes the process of designing and testing a mango juice extractor to add value to the mango and decrease post-harvest loss.	Ghana	Stage 1: Development	0	Yes	Yes
Approach	Rural Energy Solutions	A business and training program for young people to learn how to assemble, install, and maintain solar lanterns in Ghana as a strategy to disseminate energy technology to rural Ghanaian communities.	Ghana	Stage 3: Early Adoption	40	Yes	No
Technology	Protek Furnace	A safe, low-cost, and locally manufactured furnace made of aluminum casting for developing countries	Zambia	Stage 2: Initial Piloting	0	Yes	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	Underwater Dam-Free Turbine	An underwater turbine powering refrigerators to store fishers' daily catch in Zambia	Zambia	Stage 1: Development	0	Yes	No
Technology	Bee Pollen Dryer	A low-cost, energy-efficient prototype for drying bee pollen	Colombia	Stage 1: Development	0	Yes	No
Technology	Biowaste Charcoal Briquettes and Press	Press to produce eco-friendly charcoal briquettes created with agricultural and bio-waste in Zambia	Zambia	Stage 1: Development	0	Yes	No
Technology	Weather-Resistant Bamboo Shingles (ABARI)	A bamboo-sap displacement machine to create weather-resistant and eco-friendly bamboo shingles in Nepal	Nepal	Stage 1: Development	0	Yes	No
Technology	Sensen	A low-cost Bluetooth sensor to collect & analyze data in developing countries		Stage 1: Development	50	Yes	No
Technology	Sensen	A low-cost Bluetooth sensor to collect & analyze data in developing countries		Stage 2: Initial Piloting	50	No	No
Technology	Wesource Map	An app-integrated platform to develop effective, sustainable design solutions in developing countries		Stage 1: Development	0	No	No
Technology	The Northwestern Bicycle Plow	A low-cost pedal power bike plow for small-scale farmers in rural Zambia	Zambia	Stage 1: Development	0	Yes	No
Approach	PoupaCerto	An SMS platform for low-income households to track & accomplish financial goals in Brazil	Brazil	Stage 2: Initial Piloting	0	No	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Approach	Kamabuta Designing & Recycling Enterprises	Training communities in rural Zambia in tetra-pack recycling for waste management	Zambia	Stage 3: Early Adoption	50	Yes	No
Approach	SANIWOOD	A sanitation and menstrual hygiene distribution and training service in rural India	India	Stage 1: Development	0	Yes	No
Approach	Growing Capital	A short-term lease-to-purchase model to increase access to equipment for rural farmers in Nicaragua	Nicaragua	Stage 1: Development	0	Yes	No
Technology	Cassava Processing	Prototyping, training and outreach programs for cassava processing to add value to the cassava	Zambia	Stage 1: Development	0	No	No
Technology	Menstrual hygiene	A low-cost, locally-made menstrual pad and accompanying awareness and training programs.	Zambia	Stage 2: Initial Piloting	0	No	No
Technology	Fertilizer Applicator	Improved fertilizer application (gun) with reduced wastage	Zambia	Stage 1: Development	0	No	No
Technology	Improved Cooking Stove	An improved stove to reduce deforestation and the amount of charcoal used on stoves when cooking	Zambia	Stage 1: Development	0	No	No
Technology	Peanut Butter Machine	A low-cost peanut butter machine with the potential to create employment opportunities for local people	Zambia	Stage 1: Development	0	No	No
Technology	Hand Operated Rope Twisting Machine	Hand operated machinery for farming and fishing rope	Zambia	Stage 3: Early Adoption	0	No	No
Technology	Gasifier	The prototype focuses on finding a better way of using charcoal to run water pump engines, thereby reducing deforestation in local communities	Zambia	Stage 1: Development	0	No	No

Output Type	Name of Output	Description/Abstract	Country	Phase	# Bene.	Phase Compl.?	Evaluation Cond.?
Technology	JustMilk	A nipple shield delivery system that safely delivers drugs and nutrients to breastfeeding infants in low resource settings	United States	Stage 2: Initial Piloting	0	No	No
Approach	ayzh Clean Birth Kit	The ayzh Clean Birth Kit in a Purse is a simple \$2 birth kit containing the six essential tools required to ensure safe and sterile conditions at the time of childbirth. At a price that is 50% lower than comparable birth kits and with minimal marketing and sales effort, ayzh has sold more than 50,000 kits in India, Haiti, Laos, Afghanistan, and Africa, with demand from other countries continuing to grow. Their proposed growth has the potential to prevent deadly or debilitating infections for six million women (direct beneficiaries) over the next five years.	India	Stage 4: Transition to Scale	120000	Yes	No
Technology	Zimba	Automatic, gravity-fed chlorine doser that attaches to borewell handpumps to safely disinfect drinking water in communities without regular access to treated municipal water	India	Stage 3: Early Adoption	0	Yes	No
Technology	SEED JARNA Pump	Lightweight, portable and fuel-efficient diesel irrigation pump	India	Stage 3: Early Adoption	10	Yes	No
Approach	MoringaConnect	An efficient, affordable and scalable method to shell Moringa seeds and extract oil from them at efficient yields to supplement the incomes of rural subsistence farmers. The treadle-powered seed sheller in development shells and winnows simultaneously with a throughput of 20 kg per hour. The hand-actuated hydraulic press in development cold presses seeds with a batch feed.	Ghana	Stage 3: Early Adoption	0	Yes	No
Technology	Solar Water Disinfection Box	A solar water disinfection box that provides two liters of clean drinking water each day in emergency settings, reducing the wastage that comes from storage and transport packaging of clean water.	Uganda	Stage 1: Development	0	No	No

APPENDIX II.B. Evaluations - FY 2014

Output Type	Name of Output	Description/Abstract	Country	Status
----- No Entries -----				

APPENDIX II.C. Data-Related Approaches, Tools, Best Practices - FY 2014

Output Type	Name of Output	Description/Abstract	Country	Status
----- No Entries -----				

APPENDIX II.D. Publications or Reports - FY 2014

Name	Description/Abstract	Country	Status
Lean Research Declaration and Guidelines	This document contains a declaration that individuals and organizations can sign in support of the Lean Research approach, as well as a set of draft guidelines and standards for researchers.		Ongoing
Design for Development Impact: the Case of Zimba	This is a case study of a local innovator in IDIN's network prepared for use in university-level focused on design and innovation in developing countries.		Complete
IDDS Design Notebook	An interactive and foundational workbook that describes the IDDS design cycle		Ongoing
Build-It: Bicycle Hacksaw	This Build-It describes the tools and processes needed to build a bicycle hacksaw. This learning kit is used in summits, CCB trainings, and classes.		Complete
Build-It: Wooden Spoon	This Build-It describes the tools and processes needed to build a wooden spoon. This learning kit is used in summits, CCB trainings, and classes.		Complete
Build-It: Maize Sheller	This Build-It describes the tools and processes needed to build a maize sheller. This learning kit is used in summits, CCB trainings, and classes.		Complete
Build-It: LED Lantern	This Build-It describes the tools and processes needed to build an LED lantern. This learning kit is used in summits, CCB trainings, and classes.		Complete
Build-It: Foam Cutter	This Build-It describes the tools and processes needed to build a foam cutter. This learning kit is used in summits, CCB trainings, and classes.		Complete
Build-It: Charcoal Press	This Build-It describes the tools and processes needed to build a charcoal press. This learning kit is used in summits, CCB trainings, and classes.		Complete
Build-It: Battery Operated Wood Block Phone Charger	This Build-It describes the tools and processes needed to build a battery operated phone charger. This learning kit is used in summits, CCB trainings, and classes.		Complete

Name	Description/Abstract	Country	Status
Maternal Health Summit Problem Framing Brief: Blood Testing Device	This problem framing brief presents the problem and describes possible solutions for low availability of blood diagnostics.	Tanzania	Complete
Problem Framing Brief: Prevention of Hypothermia in Premature Babies	This problem framing brief presents the problem and describes possible solutions for hypothermia in premature babies.	Tanzania	Complete
Problem Framing Brief: Prenatal Engagement for New Dads	This problem framing brief presents the problem and describes possible solutions for low paternal participation in prenatal care.	Tanzania	Complete
Problem Framing Brief: Family Fetoscope	This problem framing brief presents the problem and describes possible solutions for low access to prenatal monitoring.	Tanzania	Complete
Problem Framing Brief: Solar Water Heater Incubation	This problem framing brief presents the problem and describes possible solutions for low access to incubation for premature babies.	Tanzania	Complete
Problem Framing Brief: Self-Diagnostic Tool for Diabetes and Preeclampsia	This problem framing brief presents the problem and describes possible solutions for low screening rates for pregnancy risk-factors.	Tanzania	Complete
IDDS 2014 Report: Avocado Press	This report describes the process of problem framing, developing and piloting the avocado press at IDDS 2014.	Tanzania	Complete
IDDS 2014 Report: Coffee Sheller	This report describes the process of problem framing, developing and piloting the coffee sheller at IDDS 2014.	Tanzania	Complete
IDDS 2014 Report: Livestock Fodder	This report describes the process of problem framing, developing and piloting the manual hay baler at IDDS 2014.	Tanzania	Complete

Name	Description/Abstract	Country	Status
IDDS 2014 Report: Rainwater Harvesting	This report describes the process of problem framing, developing and piloting the rainwater harvesting system at IDDS 2014.	Tanzania	Complete
IDDS 2014 Report: Soil Fertility	This report describes the process of problem framing, developing and piloting the manure spreader at IDDS 2014.	Tanzania	Complete
IDDS 2014 Report: Bean Threshing	This report describes the process of problem framing, developing and piloting the bean thresher at IDDS 2014.	Tanzania	Complete
IDDS 2014 Report: ICT for Health	This report describes the process of problem framing, developing and piloting the anemia diagnosis app at IDDS 2014.	Tanzania	Complete
IDDS 2014 Report: Innovation Toolkit for Schools	This report describes the process of problem framing, developing and piloting the innovation toolkit at IDDS 2014.	Tanzania	Complete
KNUST Thesis: Design, Construction and Testing of a Biocharring Unit	This thesis describes the process of designing and testing a kiln that produces biochar from the shells of the jatropha plant to be used as a soil nutrient supplement and as briquettes for fuel.	Ghana	Complete
KNUST Thesis: Design, Construction and Testing of a Mango Juice Extractor	This thesis describes the process of designing and testing a mango juice extractor to add value to the mango and decrease post-harvest loss.	Ghana	Complete
KNUST Thesis: Design, Construction and Testing of a Briquetting Machine	This thesis describes the process of designing and testing a charcoal briquetting machine to produce fuel from jatropha husks and cassava starch.	Ghana	Complete
KNUST Thesis: Standardisation of the Grating Surface of Cassava Graters	This thesis describes the process of designing and testing three different grater surface designs to standardize and improve the manufacture of cassava graters.	Ghana	Complete

Name	Description/Abstract	Country	Status
UC Davis Paper: Agricultural Mobile Irrigation System	<p>This report summarizes the progress made on the Agricultural Mobile Irrigation System and includes the problem scope and development, current design specifications, the benchmarks for evaluation and results. The main objectives were to build and evaluate the performance of a complete AMIS system.</p>	Uganda	Complete
UC Davis Paper: Post-Harvest Grain Storage	<p>This report details the results of a feasibility study on Zasaka, a post-harvest venture in Zambia.</p>	Zambia	Complete
The IDDS Spirit and its Approach to Appropriate Technology	<p>This article by an IDIN Network member reflects on the IDDS approach to designing appropriate technologies in resource-poor settings.</p>		Complete
Designing Aluminum Furnace for Developing Countries	<p>This article by an IDIN Network member describes the participatory design process at IDDS 2013 that resulted in the ProTek aluminum furnace. This technology enhances the safety and efficiency of the recycled aluminum casting process and offer opportunities for entrepreneurship.</p>		Complete

APPENDIX II.E. Hubs - FY 2014

Name	Description	Country	Status
----- No Entries -----			

APPENDIX II.F. Knowledge Sharing/Collaborative Platforms - FY 2014

Name	Description	Country	Status
IDIN Website	IDIN will launch its new website, including information about the program, social media integration, an interactive map, and a messaging board communications platform on Nov. 6, 2014. In the past year, IDIN's communications coordinator has hired and worked with a vendor, wrote and edited the content, collected photos, and more to support the website development, which is 90% complete at time of reporting.		Ongoing
IDIN Facebook	IDIN has established a Facebook page to share daily news and stories with its external audiences. The Facebook page has been established and branded, but will continue to be an active project in the next year with frequent new posts.		Ongoing
IDIN Twitter	IDIN has established a Twitter channels to share regular news, stories, and opportunities with its Network and other interested individuals. The Twitter account has been established and branded, but will continue to be an active project in the next year with frequent new posts.		Ongoing
Alche.my	IDIN has introduced an email-based platform called "Alche.my" to its Network members. A weekly email asks Network members what they need that week, compiles the results, and shares those requests with the entire Network, who can then respond to the individual via email. This allows Network members to share opportunities and requests related to their technologies and approaches in development.		Ongoing
Mobile communications platform	IDIN is developing a mobile SMS platform to better reach Network members in remote and rural areas with information about opportunities and upcoming events. Development of the platform is well underway, but not complete as of time of reporting.		Ongoing
IDIN Newsletter	IDIN has produced a monthly newsletter since June 2014. The newsletter has three versions and reaches three distinct audiences: an external audience, a partner and staff audience, and the Network members audience. The newsletter includes unique content for each audience based on their interests, but typically includes news, blogs, and events. The Network also receives a compiled list of opportunities, contests, and events that may be of interest to them.		Ongoing
IDIN YouTube	IDIN has established a YouTube channel, compiling all videos from past design summits, and filming a new video of its own. The YouTube channel has been established, but will continue to be an active project, with new videos added all the time.		Ongoing
SEMBAA NEVA Website	This website will have a portal for coaching/mentoring IDIN Network members and will also serve as a funnel for new applicants to summits.	Kenya	Ongoing

Name	Description	Country	Status
Tanzania IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	Tanzania	Ongoing
Kenya IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	Kenya	Ongoing
Zambia IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	Zambia	Ongoing
Uganda IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	Uganda	Ongoing
Brazil IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	Brazil	Ongoing
Colombia IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	Colombia	Ongoing
India IDIN Local Chapter	Local chapters keep IDIN network members engaged by identifying opportunities for collaboration and resource sharing. They support project continuity, host local workshops and events, and keep the IDDS spirit alive by promotion local innovation in their own communities.	India	Ongoing

APPENDIX II.G. Major Events - FY 2014

Name	Description	Country	Status
International Development Design Summit 2014	Innovators from 21 countries gathered in Arusha, Tanzania for a transformative experience in design and co-creation. Over the course of five weeks, they worked with four rural communities to produce eight prototypes. These prototypes, ranging from an avocado oil press to an innovation toolkit for secondary schools, were showcased at the Nane Nane agricultural festival.	Tanzania	Complete
Nane Nane Community Agricultural Fair	Major annual regional agricultural technology faire in Tanzania. Community members were introduced to IDIN via IDDS displays as well as IDIN Innovation Center displays and tours of the IDIN Innovation Center.	Tanzania	Complete
Maternal Health Summit	The two-week design experience hosted in Arusha, Tanzania, brought together 29 participants from 11 countries to explore the challenges facing mothers and newborns living in poverty. The six participant teams visited local health centers and dispensaries to learned about the current challenges and then generated ideas of how to apply the user-based design cycle to those challenges. Some of the ideas focused on ways of improving medical diagnostics, decreasing infant mortality, and increasing family and paternal involvement.	Tanzania	Complete
GESA Maker Faire Competition	This competition, organized by the Ghana Engineering Student Association, invited all undergraduate engineering students at KNUST to submit proposals for technology ideas. Seven projects were selected, and over the course of September, seven prototypes were completely designed and built with the help of technical and faculty advisors. Three of these technologies address key development challenges and have been added to the IDIN portfolio. Winners will be selected in October of Year 3.	Ghana	Ongoing
Lean Research Convening	This day-long, workshop-style event brought together researchers and practitioners from academia and major development institutions to jointly develop and launch a new approach to conducting research in development contexts: Lean Research. During the event, which was co-organized by researchers from IDIN and CITE and MIT's D-Lab and the Fletcher School at Tufts University, participants engaged in small groups to refine a set of guiding principles for Lean Research and articulate the next steps they saw as most important for the initiative following this initial event.	United States	Complete

APPENDIX II.H. Workshops/Trainings/Capacity Building - FY 2014

Name	Description	Country	Status
IDDS Faculty Training Workshop	21 faculty and instructors gathered for four days to learn about IDDS and review the components of an IDDS curriculum. During the workshop, faculty and instructors worked together in groups to co-create potential curriculum based on key components.	United States	Complete
Design Educators in Development - A Mindful Practice	Participants engaged in a range of activities to explore our design and development mindset.	Singapore	Complete
CCB Training for Engeosengeu Primary School	Beginning in August of 2014, Twende-AISE led a multi-week Creative Capacity Building training for 41 Engeosengeu Primary school students (13 male students and 28 female students). The training promotes young local innovation by teaching skills in building and design.	Tanzania	Ongoing
Design Training in Lira Palwo and Pajule	88 participants attended this two-day design training in Lira Palwo and Pajule in January 2014, culminating in a series of sketch models and prototypes.	Uganda	Complete
CCB Training in Ademi and Amokolagwa Community Centers	90 participants (45 in each Center) received CCB trainings after they participated in a needs assessment.	Uganda	Complete
CCB and Business Training in Oguta and Obolokome	Two different sets of CCB and business skills trainings were conducted for three days continuously in each site. Each attracted over 30 participants.	Uganda	Complete
CCB Training in Pader	Amy Smith and the Caritas technical directors implemented a four-day CCB training to local participants and Sudanese refugees from the Adjumani camp.	Uganda	Complete
Community Engagement Events	As a new fixture in the community, Caos Focado held multiple events to inform and engage the community around its purpose. These included a "Who are we, and what is an Innovation Center?" ideation workshop, regular open houses, lectures to disseminate the IC project, biweekly volunteer engagement meetings, and the first annual Innovation Day showcase.	Brazil	Complete
Skills Workshop Series	The innovation center held a series of skill building workshops, including foam modeling, logo design, cell phone game programming, web design, bicycle repair, fiberglass lamination and photography.	Brazil	Complete

Name	Description	Country	Status
Crafting Workshop Series	The innovation center held a series of workshops throughout the year to engage community members in crafting for possible income generation, including crafting flowers, knitting and crocheting, and toy making.	Brazil	Complete
High School Social Innovation Classes	This workshop series engages local high school students in social design and serves as an income-generating activity for the innovation center.	Brazil	Ongoing
Smart Light Build-It Workshop	Workshop to teach how to build a dimmable LED flashlight using a microcontroller	Brazil	Complete
New Product Workshop - The ADE Mini Grater	Ran 1 new product workshop for 17 fabricators in Suame Magazine, Ghana, to train fabricators in constructing the cassava grater using spot welding.	Ghana	Complete
Smart Light Build-It Workshop	Ran 1 skill building workshop at a school in rural Tanzania to introduce the microcontroller to participants, regardless of their level of formal education, in order to stimulate the creation of appropriate smart systems.	Tanzania	Complete
NEVA Community Business Trainings	These free trainings for business startups took place at regular intervals throughout Year 2. Their topics included business idea formation, field research, pre-launch survey techniques, business model generation, customer segmenting, networking, marketing plan writing, and sector-specific training. These 2.5 hour sessions take place weekly, divided into six five-week sessions in the year, and included 44 guest speakers and multiple networking events.	Kenya	Complete
Kulika Study - Training of Trainers	Amy Smith and Kofi Taha traveled to Uganda to implement a training of trainers to 18 CCB trainers and 6 Kulika staff coordinators in preparation for the randomized control trial on the impact of Creative Capacity Building (CCB).	Uganda	Complete
Kulika Study - Implementation of CCBs and Demos	CCB trainers delivered 32 workshops to approximately 864 community participants, who were randomly divided into 18 CCB trainings (full dose) and 18 technology demos (half dose). These groups will be followed over time as part of a randomized control trial on the impact of CCB.	Uganda	Complete
Human Centered Design Workshop at Copperbelt University	One day seminar to create awareness around IDIN and HCD. Two IDIN Network members presented.	Zambia	Complete
Business Consulting Boot Camp	Done through a project review meeting with Copperbelt University students	Zambia	Complete

Name	Description	Country	Status
Reliving IDDS Workshop	Local chapter meeting to share IDDS projects and experiences	Zambia	

APPENDIX II.I. Other Outputs - FY 2014

Name	Description	Country	Status
IDIN Network Survey	This dataset encompasses data from 268 Network members who filled out an online survey in summer 2014. This data includes updates on Network members' location, current projects, network involvements, interests and needs.		Ongoing
Microgrant Program	IDIN Microgrant program was launched. 17 microgrants valued between USD 500 and 2000 each were disbursed in fall 2013 and spring 2014 to fund innovations and ventures by network members.		Ongoing
Picogrant Program	IDIN Picogrant program was launched. 11 picogrants ranging between USD 50 and 300 were disbursed to local innovators in Zambia to fund community innovations and ventures.	Zambia	Ongoing

APPENDIX III. Partners - FY 2014

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
Massachusetts Institute of Technology (MIT)	Low	Higher Education Institution/Research Organization	United States	Academic Partner	Cost-share.
Olin College of Engineering	Low	Higher Education Institution/Research Organization	United States	Academic Partner	Cost-share.
University of California, Davis (UC Davis)	Low	Higher Education Institution/Research Organization	United States	Academic Partner	
Colorado State University (CSU)	Low	Higher Education Institution/Research Organization	United States	Academic Partner	Cost-share.
Kwame Nkrumah University of Science and Technology (KNUST)	Low	Higher Education Institution/Research Organization	Ghana	Academic Partner	

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
United States International University (USIU)	High	Higher Education Institution/Research Organization	Kenya	Academic Partner (CSU affiliate)	
Singapore Polytechnic	Low	Higher Education Institution/Research Organization	Singapore	Academic Partner	Cost-share.
Caos Focado	Low	Commercial Enterprise	Brazil	Innovation Center	
Caritas Gulu Archdiocese	Low	NGO	Uganda	Innovation Center	
Twende-AISE	Low	NGO	Tanzania	Innovation Center	
National Technology Business Center	Low	Non-US government	Zambia	Institutional Partner	
ECHO	Low	NGO	Tanzania	Institutional Partner	
Kulika	High	NGO	Uganda	CCB Partner (RCT leveraged)	
New Economy Venture Accelerator (NEVA)	High	Other development actor	Kenya	Affiliate of CSU/USIU	

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
Nelson Mandela Institute of Science and Technology	Medium	Higher Education Institution/Research Organization	Tanzania	Summit Host	
CITE at MIT	High	Higher Education Institution/Research Organization	United States	Collaborator on Lean Research initiative	
Tufts Fletcher School	High	Higher Education Institution/Research Organization	United States	Collaborator on Lean Research initiative	
University of Sao Paolo	To be determined	Higher Education Institution/Research Organization	Brazil	IDIN Affiliate	
Information Technology University in Lahore	To be determined	Higher Education Institution/Research Organization	Pakistan	IDIN Affiliate	

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
MIT Aero-Astro Department	Medium	Higher Education Institution/Research Organization	United States	MIT Department and Grant Collaborator	
Avani	Medium	NGO	India	Student trip host and IDIN Network hub	
Massachusetts Institute of Technology (MIT)	High	Higher Education Institution/Research Organization	United States	Academic Partner	Cost-share.
Olin College of Engineering	High	Higher Education Institution/Research Organization	United States	Academic Partner	Cost-share.
University of California, Davis (UC Davis)	High	Higher Education Institution/Research Organization	United States	Academic Partner	
Colorado State University (CSU)	High	Higher Education Institution/Research Organization	United States	Academic Partner	Cost-share.

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
Kwame Nkrumah University of Science and Technology (KNUST)	High	Higher Education Institution/Research Organization	Ghana	Academic Partner	
Singapore Polytechnic	High	Higher Education Institution/Research Organization	Singapore	Academic Partner	Cost-share.
Caos Focado	High	Commercial Enterprise	Brazil	Innovation Center	
Caritas Gulu Archdiocese	High	NGO	Uganda	Innovation Center	
Twende-AISE	High	NGO	Tanzania	Innovation Center	
National Technology Business Center	High	Non-US government	Zambia	Institutional Partner	
ECHO	High	NGO	Tanzania	Institutional Partner	
CITE at MIT	Medium	USAID operating unit or program	United States	Lean Research Collaborator	
Tufts Fletcher School	Medium	Higher Education Institution/Research Organization	United States	Lean Research Collaborator	

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
Rethink Relief at MIT	Medium	Higher Education Institution/Research Organization	United States	Summit Collaborator	
MISTI at MIT	Low	Higher Education Institution/Research Organization	United States	Summit Funder	
United States International University (USIU)	High	Higher Education Institution/Research Organization	Kenya	IDIN Affiliate	
University of Sao Paolo	Low	Higher Education Institution/Research Organization	Brazil	IDIN Affiliate	
Arusha Technical College	Medium	Higher Education Institution/Research Organization	Tanzania	IDIN Affiliate	

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
Copperbelt University	Medium	Higher Education Institution/Research Organization	Zambia	IDIN Affiliate	
Ashesi University	Low	Higher Education Institution/Research Organization	Ghana	IDIN Affiliate	
Inspere University	Low	Higher Education Institution/Research Organization	Brazil	IDIN Affiliate	
Ahmedabad University	Low	Higher Education Institution/Research Organization	India	IDIN Affiliate	
MOSCAT (Misamis Oriental State College of Agriculture and Technology)	Low	Higher Education Institution/Research Organization	Philippines	CCB Collaborator	
Kulika	Medium	NGO	Uganda	CCB Collaborator (RCT)	
United Nations Environment Program (UNEP)	Low	Multi-lateral institution	United States	CCB Collaborator	

Partner Name	Level of Engagement	Partner Type	Partner Location Country	Partner Description	Support Type
Colegio Visconde de Porto Seguro	Medium	Other development actor	Brazil	Design Workshop Client	
Rural Community Network (RUCONET)	Medium	NGO	Tanzania	Community Collaborator	
Restoration of Green Environment and Eradication of Poverty (RGEEPT)	Medium	NGO	Tanzania	Community Collaborator	
Coopernova Cotia Recicla (Recycling Cooperative)	Medium	Other development actor	Brazil	Community Collaborator	
RESILIM	Low	USAID operating unit or program	Botswana	Potential Partner	
ConDev	Low	USAID operating unit or program	United States	Potential Partner	

APPENDIX IV. Classes & Disciplines - FY 2014

Name	Description	Location	Status
D-Lab: Design	D-Lab: Design addresses problems faced by underserved communities with a focus on design, experimentation, and prototyping processes. Particular attention is placed on constraints faced when designing for developing countries. Multidisciplinary teams work on semester-long projects in collaboration with community partners, field practitioners, and experts in relevant fields. Topics covered include design for affordability, design for manufacture, sustainability, and strategies for working effectively with community partners and customers. Students may continue projects begun in D-Lab Development (SP.721)	MIT	Complete
D-Lab: Education	This class explores education in the international development context and how modern best practices can be applied to overcome challenges, such as limited resources, language barriers, large class sizes, and entrenched pedagogy. Topics covered emphasize experiential and project-based learning to nurture creativity in youth around science, technology, engineering, and math. During the semester, student teams design a project alongside an international partner and test components of the project with local youth and educators. Students receive feedback from a mentor network of local teachers, education leaders and development practitioners.	MIT	Complete
D-Lab: Development	D-Lab: Development addresses issues of technological improvements at the micro level for developing countries—in particular, how the quality of life of low-income households can be improved by adaptation of low cost and sustainable technologies. Discussion of development issues as well as project implementation challenges are addressed through lectures, case studies, guest speakers and laboratory exercises. Students form project teams to partner with mostly local level organizations in developing countries, and formulate plans for an IAP site visit. (Previous field sites include Ghana, Brazil, Honduras and India.) Project team meetings focus on developing specific projects and include cultural, social, political, environmental and economic overviews of the countries and localities to be visited as well as an introduction to the local languages.	MIT	Ongoing

Name	Description	Location	Status
D-Lab: Waste	<p>This class provides a multidisciplinary approach to managing waste in low- and middle-income countries with strategies that diminish greenhouse gas emissions and provide enterprise opportunities for marginalized populations. Studies waste management strategies in cities in Africa, India, and Latin America; examines case studies of collection, recycling, and waste-to-energy businesses developed in low-income settings; and researches public policy that supports sustainable, integrated, solid waste management systems. Student teams develop waste management strategies that culminate in a two-week IAP trip to Nicaragua where students will work with a local NGO and the municipality to assist in the implementation of waste management initiatives. Includes guest speakers and field trips. Students taking graduate version complete additional assignments.</p>	MIT	Ongoing
D-Lab: Design for Scale	<p>This class focuses on product development of technologies for people in less industrialized markets. Students work in interdisciplinary teams to develop previously established prototypes or technologies towards manufacturing-ready product designs. Topics are presented within the context of the developing world and include technology feasibility and scalability assessment; value chain analysis; product specification; design for affordability, manufacturability, usability, and desirability; and product testing and manufacturing at various scales. Lessons are experiential and case study-based; taught by instructors with field experience and by industry experts from product development consulting firms and the consumer electronics industry.</p>	MIT	Complete
Affordable Design and Entrepreneurship	<p>Students gain experience innovating to address social challenges through a design and entrepreneurship approach that emphasizes context, collaboration, and sustainability. The focus is on alleviating poverty by deploying innovations in communities that generate income and meet daily human needs in areas like energy, water, health, agriculture, transportation, and communication. The course is run as a firm where students work in teams with community partners nationally and internationally to co-create and launch new products and ventures. Topics covered include the conditions and causes of poverty, approaches to poverty alleviation, cultural awareness and community engagement, affordable design principles and practices, and social venture models and strategies including financing and scaling. Groups of students travel to partner sites in developing countries to build relationships, gain contextual awareness, and implement projects. This course is offered jointly with Babson.</p>	Olin College	Complete

Name	Description	Location	Status
Affordable Design and Entrepreneurship	Students gain experience innovating to address social challenges through a design and entrepreneurship approach that emphasizes context, collaboration, and sustainability. The focus is on alleviating poverty by deploying innovations in communities that generate income and meet daily human needs in areas like energy, water, health, agriculture, transportation, and communication. The course is run as a firm where students work in teams with community partners nationally and internationally to co-create and launch new products and ventures. Topics covered include the conditions and causes of poverty, approaches to poverty alleviation, cultural awareness and community engagement, affordable design principles and practices, and social venture models and strategies including financing and scaling. Groups of students travel to partner sites in developing countries to build relationships, gain contextual awareness, and implement projects. This course is offered jointly with Babson.	Olin College	Complete
Regional Analysis in Development	Students perform qualitative and quantitative analyses at the regional level to identify gaps in available programs and technologies and opportunities for alleviating suffering. For example, a student might study maternal health within a selected area of Sub-Saharan Africa. Analyses will be performed using a range of modeling tools and data sets informed by the published literature. Students will work to develop insights that allow them to take unique perspectives on challenges in development, which they will write up in formal topic briefings and potentially publish. This course provides valuable preparation for students planning to enroll in ENGR 3290/4290 Affordable Design and Entrepreneurship (ADE) or perform research in or work in international development. Wellesley and Babson students are encouraged to enroll.	Olin College	Complete
D-Lab 1: Energy and Development Overview	This class will review the history of energy in the context of developing countries, looking at the rise of appropriate technologies and the role of government agencies, the private sector, and non-governmental organizations. Student groups will be formed and each will investigate a particular energy sector focusing on a target region or community. They will present their findings with regard to scale, context, stakeholder analysis, and possible alternative approaches to current practices.	UC Davis	Complete
Intangibles of Development	The Intangibles of Development seminar is built on the idea that there is more to development work than the tangible skills and competencies that are traditionally taught. This pilot seminar is an effort to develop novel, participatory learning modules that develop these intangible skills.	UC Davis	Complete

Name	Description	Location	Status
Global Poverty: Critical Thinking and Taking Action	This course focuses on world poverty, its causes and effects as well as explores the ongoing global debate about how best to alleviate it. The first part of the course will focus on the global disparity in economic growth, development goals and foreign aid (Is aid a help of hindrance?).	UC Davis	Complete
D-Lab 2: Energy and Development Design and Dissemination	This hands-on class focuses on approaches to overcoming the barriers for the design and dissemination of existing energy technologies in the developing world. Curriculum includes practical labs, a business development clinic, case studies, independent research, and guest speakers, students will form groups and focus on a particular energy issue or problem to tackle within a targeted region.	UC Davis	Complete
Global Social and Sustainable Entrepreneurship	Introduction to global challenges of poverty, environmental degradation, and public health and the role of entrepreneurial management in private and public sector approaches.	USIU	Complete
Development of Social and Sustainable Enterprises	Early stages of a new venture, including creation of business plan. Additional study of social entrepreneurship and sustainable business strategies.	USIU	Complete
Sustainable Enterprise Funding and Evaluation	Funding social and sustainable enterprises. Grant writing, venture philanthropy, angel investors, and venture capital. Project development, evaluation, and execution.	USIU	Complete
Supply Chain Management	Value-driven supply chain principles. Design and management of supply chains, and supply chain software and applications.	USIU	Complete
Practicum	Summer fieldwork involving research, implementation planning, and hands-on experience for student projects.	USIU	Complete

APPENDIX V. Fellowships & Practica - FY 2014

Name	Short Description	Host Organization	Total # Students	Status
<p>CSU GSSE Student Venture - Second Chance Vietnam</p>	<p>Venture Description: The secondhand goods industry has grown rapidly in recent years in Vietnam due to the economic slowdown and young consumers' increased awareness about the 3 Rs: Reduce, Reuse and Recycle. However, this market has been in disarray with many small disorganized shops selling low quality goods from unclear sources, resulting in low consumer trust. Second Chance Vietnam (aka Siêu Thị Xanh) is a high-end consignment store where consignors sell their good quality used goods including apparel, furniture, kitchenware, and children's merchandise for a profit. Green Second Chance's objective is to ensure the origin and quality of the goods, as well as provide excellent customer service. This venture provides triple bottom line impact by income generation, encouraging recycling and reuse, and empowering poor and at-risk youth through education, training and employment opportunities.</p>	<p>CSU</p>	<p>1</p>	<p>Complete</p>
<p>CSU GSSE Student Venture - VidaForte</p>	<p>Venture Description: Of the 200 million citizens living in Brazil, 75% relies on the universal health care system in place. However, there are only 1.3 doctors per 1000 individuals, not nearly enough to attend to those in need. The demand far exceeds the supply burdening the system, and as a result, a unique culture has evolved within the lower income demographic: seeking out treatment, prescriptions, or even just basic information has to be weighed against other daily priorities. VidaForte provides relevant and reliable information to facilitate access to healthcare providers through an existing mobile health solution adapted to the needs of Brazilians. VidaForte reduces the pressure on the public healthcare system by directing patient traffic to dependable and affordable alternatives.</p>	<p>CSU</p>	<p>1</p>	<p>Complete</p>

Name	Short Description	Host Organization	Total # Students	Status
CSU GSSE Student Venture - Jamii Funding	Venture Description: One of the many problems facing entrepreneurs in developing countries is access to capital and funding facilities to allow their business ventures to succeed in the current market conditions. Jamii Funding is linking social entrepreneurs to capital by utilizing a crowd-funding model and mobile phone money services. Jamii also partners with philanthropic organizations interested in funding social entrepreneurs in East Africa. Potential impacts include raising capital for different business projects, creating awareness of the entrepreneurial nature in Kenyan universities, and offering marketing expertise to the entrepreneurs on how to raise funds and manage their ventures.	CSU	1	Complete
CSU IDDS 2014 Student Sponsorship	Student attended IDDS as a sponsored participant. He worked on the fodder team to develop a manual hay baler in the Maasai community of Orkolili.	CSU, IDDS	1	Complete
USIU SEMBAA Practicum	Summer fieldwork involving research, implementation planning, and hands-on experience for student business startup projects.	USIU	37	Complete
UC Davis D-Lab Trip - Mobile Irrigation System	Two undergraduate students traveled to Uganda to test an improved design of the Mobile Irrigation System that came as the result of their Spring D-Lab work. The also tested the technology at different farms and collected farmer feedback which was fed back to project lead Abe Solomon	UC Davis, Agriworks Uganda	2	Complete
UC Davis D-Lab Trip - Zasaka	Carl Jensen, a graduate student in UC Davis's International Agricultural Development program, traveled to Zambia to lay the groundwork for Zasaka, his agricultural venture. After graduating, he moved to Zambia to continue the work, incorporating results of the study in the D-Lab Feasibility class.	UC Davis, Zasaka	1	Complete
UC Davis Research Trip - Mapping Innovation Ecosystems	Daniel Makrauer-Madden has started preliminary information gathering around innovation ecosystems in Tanzania. To date, he has interviewed 12 individual innovators (on behalf of Elizabeth at IDIN), some of whom have gone through IDIN summits and some who have not. This research will contribute to the IDIN knowledge base and be submitted for publication.	UC Davis, Twende-AISE	1	Ongoing

Name	Short Description	Host Organization	Total # Students	Status
UC Davis Research Trip - Seed Drying	Erin McGuire, a graduate student in UC Davis's International Agricultural Development program, completed a research project comparing qualitative and quantitative factors of zeolite beads to other seed drying technologies for small producers and seed banks in Thailand.	UC Davis	1	Complete
UC Davis IDDS 2014 Student Leadership	Two students traveled to Arusha as sponsored organizers for IDDS	UC Davis, IDDS	2	Complete
UC Davis Teaching Assistantship	Jorge is staff at Zamaron University in Honduras where he leads D-Lab courses based on the UC Davis (and MIT) D-Lab Model. He came to Davis in 2014 to dually assist with UC Davis D-Lab classes as an Assistant and further advance his training in leading D-Lab courses in Honduras.	UC Davis	1	Complete
Olin ADE Trip - Cassava grater	Field work for the development of a social venture delivering low-cost agricultural processing machines. Performance testing of prototype graters and presses. User studies of women gari producers including willingness to pay and co-design sessions. Manufacturing and supply chain testing for machine production.	Olin	7	Complete
Olin ADE Trip - Cassava grater and press	Field work for the development of a social venture delivering low-cost agricultural processing machines. Performance testing of prototype graters and presses. User studies of women gari producers including willingness to pay and co-design sessions. Manufacturing and supply chain testing for machine production.	Olin	4	Complete
Olin Sponsored Internship - Heart Capital	Student internship at Heart Capital, an NGO in South Africa to work on the Wonder Plant technology.	Olin, Heart Capital	1	Complete
Olin Sponsored Internship - Caos Focado	Student internship at Caos Focado, IDIN innovation center in Brazil	Olin, Caos Focado	1	Complete

Name	Short Description	Host Organization	Total # Students	Status
Olin Sponsored Internship - Ahmedabad University	Student internship at Ahmedabad University in India	Olin, Ahmedabad University	1	Complete
Olin Research Trip - Smart Light Build-It Workshop	The students work on developing a workshop that introduces the microcontroller to participants, regardless of their level of formal education, in order to stimulate the creation of appropriate smart systems.	Olin	2	Complete
Olin Research Trip - Cassava Grater Teeth	Experimental evaluation of cassava grater teeth to optimize cutting performance	Olin	1	Complete
Olin Research Trip - IDIN Network Engagement	Design study of IDDS alumni to identify principles and opportunities for increasing engagement of network members	Olin	1	Complete
Olin IDDS 2014 Student Sponsorship	Student attended IDDS as a sponsored participant. He worked on the fodder team to develop a manual hay baler in the Maasai community of Orkolili.	Olin, IDDS	1	Complete
MIT Research Trip - Summit Team Dynamics	Developed methods for documenting team dynamics at Summits	MIT, IDIN Maternal Health Summit	1	Complete
MIT D-Lab Development - Zambia	Students traveled as a follow-up to the D-Lab Development class to work on projects they developed during the fall semester. Meetings with IDIN local chapter; follow-up with menstrual hygiene project; follow-up with IDDS charcoal project; meetings with Light of Hope: water chlorination project and ayzh clean birthing kit. Students also had an opportunity to visit Network members in Kafue to see their inventions and talk to their community organization.	MIT, Disacare, NTBC, Light of Hope, Kingfisher Cooperative (Robert & Stephen), Kamphelo village	4	Complete

Name	Short Description	Host Organization	Total # Students	Status
MIT D-Lab Development - Brazil	Students traveled as a follow-up to the D-Lab Development class to work on projects they developed during the fall semester.	MIT, Peabiru	5	Complete
MIT D-Lab Development - India	Students traveled as a follow-up to the D-Lab Development class to work on projects they developed during the fall semester. Students worked on a variety of projects at Avani, which is the host organization of many former IDDS participants (Rajnish Jain 2009 & 2010, Raju 2011, Chanthal 2009, Ritesh Singhania 2014).	MIT, Avani	3	Complete
MIT D-Lab Development - Ghana Education	Students traveled as a follow-up to the D-Lab Development class to work on projects they developed during the fall semester. The team worked with community members from New Longoro (a field site for IDDS 2009 and 2011) to build capacity at the local secondary school, both in terms of curriculum and facilities.	MIT, New Longoro village, education group	3	Complete
MIT D-Lab Development - Ghana Moringa	Students traveled as a follow-up to the D-Lab Development class to work on projects they developed during the fall semester. Students worked with MoringaConnect (which came out of technologies developed at IDDS 2011) to train farmers in techniques for growing moringa and processing its products.	MIT, MoringaConnect	2	Complete
KNUST Thesis Practicum	Four KNUST students received IDIN funding to complete engineering thesis projects in development and field-testing of appropriate technologies. These included a bio-charring unit, a mango juice extractor, a charcoal briquette machine and cassava grater drum teeth.	KNUST	4	Complete

APPENDIX VI. Communications - FY 2014

Communication Title	Description	Location
A Smart Solution for Affordable Housing: Meet Brazilian Designer & IDIN Network Member Wilio Albuquerque's Portable, Eco-Friendly Brick Press	This is an IDIN Network member profile on an innovator developing an eco-friendly brick press. This was shared widely in IDIN's newsletter, on social media channels, and D-Lab's website.	United States
MIT D-Lab-Affiliated Social Enterprise ayzh to Develop Healthy Newborn Kit in Support of United Nations Strategy for Maternal and Child Health	This is a news release about an IDIN Network member's work to support the UN strategy for maternal and child health. It was shared widely on D-Lab's website, IDIN's newsletter and social media channels.	United States
Final Prototypes Take Shape as the 2014 International Development Design Summit Draws to a Close	This is a news release about the International Development Design Summit hosted by IDIN in Arusha, Tanzania. It outlines the technologies developed during the summit, and was shared widely across IDIN's communications channels.	Tanzania
Introducing the International Development Innovation Network's Research Program (And Three Ways You Can Help)	This is a blog by IDIN's Research Coordinator Elizabeth Hoffecker Moreno introducing IDIN's research program and ways that people external to the program can get involved. It was shared widely across IDIN communications channels.	United States
IDIN, CITE, D-Lab Scale-Ups, and Tufts University Host Convening to Explore Human-Centered Approach to Respectful, Right-Sized Research	This is a news piece by IDIN Research Coordinator Elizabeth Hoffecker Moreno that describes the Lean Research convening organized in part by IDIN. This was shared widely with IDIN's audiences via social media and newsletter.	United States
IDIN Awards 11 Microgrants to Support Prototypes and Ventures Worldwide	This is a news piece announcing IDIN's fall microgrant recipients. It was shared widely on IDIN's communications channels including the newsletter and social media.	United States
Innovators to Convene at International Design Summit to Develop Low-Cost Technologies Addressing Global Poverty	This is a news piece previewing the International Development Design Summit in Arusha, Tanzania. It provides an overview of what the summit seeks to accomplish as well as information about the summit's organizers, partners, and participants.	United States
What if gauze, cotton, and string could keep girls in school?	This is a blog about an IDIN Network member working on menstrual hygiene in rural Zambia. This piece was written to demonstrate the work of IDIN Network member and was shared widely on IDIN's communications channels.	United States

Communication Title	Description	Location
Marc Mate of the National Business Technology Centre in Zambia visits D-Lab	This is a blog about IDIN Network member Marc Mate and features his visit to D-Lab as well as his work as a part of the National Technology Business Centre, one of IDIN's partners in Zambia. This piece was widely shared on IDIN's communications channels.	United States
IDIN Seeks Partner to Support Local Innovation in Tanzania	This is a short news piece announcing that IDIN is seeking a local partner in Tanzania. IDIN was successful in finding a partner, the ECHO East Africa Impact Centre. This news piece accompanied targeted advertising in local newspapers and websites.	United States
IDIN Awards Eight Microgrants for Prototype and Venture Development to Tackle Development Challenges	This is a news piece announcing IDIN's spring microgrant recipients. It was shared widely on IDIN's communications channels including the newsletter and social media.	United States
IDIN Innovator Spotlight: Carlos Marroquín	This is a blog about IDIN Network member Carlos Marroquin and his work on pedal powered technologies in Guatemala. It was shared via D-Lab's website and social media.	United States
IDDS/IDIN Maternal & Neonatal Health Summit: Tanzania	This is a short news announcement about an upcoming maternal health-themed International Development Design Summit in Arusha, Tanzania. It was used to promote the summit by its publicity organizers.	United States
IDDS/IDIN Maternal & Neonatal Health Summit: Tanzania Newsletter	This is a newsletter about the project ideas developed at the maternal health - themed International Development Design Summit in Arush Tanzania. It was used to update network members, USAID offices, and interested groups about the summit.	United States
June News from IDIN	This is the external version of IDIN's June newsletter which included an announcement of IDDS in Tanzania, news about the new chapter in Brazil, news about visitors to D-Lab, a list of opportunities for Network members, the IDDS YouTube launch, and an innovator profile on Jodie Wu of Global Cycle Solutions	United States
IDIN at Frontiers in Development	This is an external special edition newsletter on IDIN's participation in the USAID Frontiers in Development convening.	United States

Communication Title	Description	Location
September News from IDIN	This is an external version of IDIN's September news featuring news about new partners, a new logo, a blog on the Maker Faire supported by IDIN in Ghana, news on a design bootcamp led by IDIN Network members, and a feature on an IDIN Network member, Wilio Albuquerque.	United States
August News from IDIN	This is an external version of IDIN's August news featuring an announcement about upcoming summits, a sneak peek at prototypes developed at IDDS Tanzania, news about the lean research convening, and a profile on IDIN Network member Zubaida Bai.	United States
June News from IDIN	This is an external version of IDIN's July newsletter, featuring a preview of the International Development Design Summit in Tanzania, links to the IDDS blog, news about the new microgrant recipients, a blog about an IDIN network member working on menstrual hygiene, and a profile on IDIN Network member Suprio Das.	United States
Opportunities brochure: Technical & Business Support	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States
Opportunities brochure: Educational & Capacity Building Support	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States
Opportunities brochure: Tools for Staying Connected	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States
Opportunities brochure: Help IDIN Grow	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States

Communication Title	Description	Location
Opportunities brochure: Local Chapters	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States
Opportunities brochure: Funding for Projects	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States
Opportunities brochure: Access to Workshop Space	This is one of a seven brochure series written for our Network members as they leave an International Development Design Summit. The brochures are intended to share the wealth of opportunities the Network has to offer promising innovators working on new approaches or technologies in the development space.	United States
KNUST Launches 'Makers' Faire for Engineering Students	This is a news article in Graphic Online, a Ghanaian online newspaper, about KNUST's GESA Maker Faire.	Ghana
Innovation Within Reach	Amy Smith, co-founder of D-Lab and IDIN, comments in New York Times article on innovation in developing context.	United States
International Development Design Summit	This is a news article in Borgen Magazine about IDDS 2014 in Arusha, Tanzania.	United States
A Challenging Cup of Tea	This is a blog by IDIN Network member Bianca Anderson on her experience at IDDS 2014.	Tanzania
Travel Blog: IDDS Tanzania	This is a blog by IDIN Network member Elliot Avila on his experience at IDDS 2014.	Tanzania
Managing Multilingual Communication	This is a blog by IDIN Network member David Hines on his experience at IDDS 2014.	Tanzania
IDDS Tanzania 2014 Blog	Real-time blog about IDDS 2014 in Arusha, Tanzania	Tanzania
IDDS Tanzania 2014 Video	New video by local filmmakers giving a sneak peek into the International Development Design Summit 2014, including the work by the avocado and coffee teams, and an overview of how a summit works.	Tanzania
A Glimpse into the IDDS Experience	New video by an IDIN Network member on the IDDS experience	Tanzania

Communication Title	Description	Location
Welcome to IDDS Tanzania!	A video by the IDIN Network welcoming its new members before the International Development Design Summit in Tanzania	Tanzania
IDDS YouTube Channel	An established and curated YouTube Channel for the International Development Design Summit	United States

APPENDIX VII. Travel - FY 2014

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Ghana	1	Olin, KNUST	Ben Linder led a student trip to Ghana for the ADE class at Olin to do project work.	Ran a new product introduction workshop for fabricators, ran a pilot production study with workshops, assessed the chop bar market for the mini grater, piloted a new grater design at a new site in an existing pilot community, user tested a new press design, deployed usage project loggers on two pilot graters	On the next trip, add a new pilot village, check on existing pilot machines, pilot a new mini grater design, interview more chop bar owners to evaluate another mini grater market, pilot a new mini press design
Brazil	1	Olin, Caos Focado	Ben Linder traveled to Brazil to observe the Caos Focado innovation center and survey the surrounding community, meet with community members, meet with Network members, advise the Caos Focado staff.	Became informed about the state of the innovation center, developed relationships with community members, engaged network members, provided guidance on key issues, identified potential sites for future expansion	
Ghana	1	Olin, KNUST	Ben Linder led a student trip to Ghana for the ADE class at Olin to do project work.	Added a new pilot village for the mini grater, evaluated and maintained existing pilot grater machines, piloted a new grater design, continued to evaluate the chop bar market for mini graters, performed a willingness to pay study and a co-design study for the mini press	On the next trip, pilot a new pre-production design, pre-production tooling and a new motor for the grater as well as deploy more graters to new community members. For the mini press, pilot a new beta-prototype, increase the number of pilot sites, establish pricing, and test local production.

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Ghana	1	Olin, KNUST	Anna Konstantinova led a student trip to Ghana for the spring ADE class.	Added a new pilot village for the mini grater, evaluated and maintained existing pilot grater machines, piloted a new grater design, continued to evaluate the chop bar market for mini graters, performed a willingness to pay study and a co-design study for the mini press	On the next trip, pilot a new pre-production design, pre-production tooling and a new motor for the grater as well as deploy more graters to new community members. For the mini press, pilot a new beta-prototype, increase the number of pilot sites, establish pricing, and test local production.
Tanzania	1	Twende-AISE; CAMARTEC; GCS; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Ben Linder traveled to Tanzania to organize and deliver IDDS Tanzania 2014, including trainings, curriculum sessions, workshops, village visits, prototyping, and mentoring.	Successfully co-delivered IDDS Tanzania 2014	Run a faculty training workshop to develop capacity for future summits, identify and assist the summits for 2015
Tanzania	1	Twende-AISE; CAMARTEC; GCS; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Anna Konstantinova traveled to IDDS 2014 in Tanzania to provide support for the Summit and for Olin student researchers.	Successfully supported IDDS Tanzania and the research students	Continue support of research projects at Olin as needed

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Tanzania	1	Twende-AISE; CAMARTEC; GCS; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Oscar Mur-Miranda traveled to IDDS 2014 in Tanzania to teach sessions and provide advising to students.	Successful delivery of the summit. Pilot delivery of smart light workshop in Orkolili secondary school, TZ.	Continued support to local partners interested in expanding the use of microcontroller technology.
Singapore	1	Olin, Singapore Polytechnic	Ben Linder delivered a keynote speech to 500+ people, delivered a full day workshop for Singapore Polytechnic faculty, met with the deans of most of the engineering schools of the Philippines, and met with several directors of Singapore Polytechnic.	Trained 19 faculty in workshop, successful keynote address and built relationships with Singapore Polytechnic directors and faculty	Share resources related to the events, Amy Smith will deliver a follow-up workshop in Spring 2015
Uganda	1	UC Davis, IDIN Network	Daniel Makrauer-Madden traveled to Uganda to explore the possibility of starting satellite UC Davis D-Lab courses at Uganda Christian University and/or Busitema University. Additionally, he did IDIN Uganda engagement, connecting individuals from the Zambia summit with individuals from the Tanzania Summit.	Engaged with universities in Uganda and with IDIN members in Uganda.	Continued discussions around potential partnerships with UC Davis D-Lab

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
United States	1	CSU, USIU	Maurice Kigada of the USIU SEMBAA program traveled from Nairobi to Fort Collins in order to attend GSSE classes, meet GSSE faculty, and with marketing and recruiting team in order to better understand the GSSE program and serve as an additional recruiter for GSSE.	Better understanding of GSSE program and its synergies with USIU SEMBAA	Host Carl Hammerdorfer's visit to Kenya
Kenya	1	CSU, USIU	Carl Hammerdorfer of CSU's GSSE program traveled to Nairobi, Kenya with Daniel Gangster to introduce him to the Dean and Vice Chancellor of USIU. He proposed some significant changes that require upper administration support. Carl also met with a variety of partners in Nairobi including Kiva, Coca-Cola, Rockefeller, and others. Finally Carl supported two CSU venture teams that were conducting their summer practica in Kenya.	Introduced Daniel Gangster to Dean and Vice Chancellor of USIU. Proposed operational changes. Met with partners in Nairobi. Successfully supported two CSU venture teams.	
Tanzania	2	Twende-AISE; CAMARTEC; GCS; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Carl Hammerdorfer and Maurice Kigada traveled by bus from Nairobi, Kenya to Arusha, Tanzania to participate in IDDS 2014.	Interacted with IDDS organizers and participants, participated in community visit	Explore ways to support further integration of business into IDDS curriculum

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Zambia	1	NTBC, IDDS Zambia 2013 Local Organizing Committee	Kofi Taha facilitated discussions with various IDDS stakeholders following the 2013 summit in order to strengthen post-summit organization and activity. To meet with local innovators to discuss the creation of a local innovation center.	Established a task force representing all of the main stakeholders and charged it with creating a coherent strategy for governance and activity planning. Identified Robert Shimaingo in Kafue as a potential innovation center champion.	Follow up with the task force and local chapter is transferred to the IDIN Network Coordinator. Robert Shimaingo applied for and received microgrants to pursue his work and to create a local workshop; IDIN staff will continue to support these efforts.

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Tanzania	1	<p>Nelson Mandela African Institiution of Science and Technology, USAID Global Health Bureau via Karen Klune, JPHIGO, Twende-AISE, Arusha Regional Maternal and Child Helath Office, Monduli and Monduli Ju District Hospital, Oldonyo Sambo Helath Clinic, USAID Tanzania Maternal and Child Health Office, ayzh, USAID East Africa Mission Maternal and Child Health Office</p>	<p>Sher Vogel traveled to Arusha to lead the IDDS Maternal and Child Health Summit.</p>	<p>27 participants from communities facing development challenges trained in the design and innovation process. Produced 6 problem framing briefs and sketch models; one of which has been forwarded to the MIT D-Lab Discovery class for further exploration. Built capacity of 5 organizers in design facilitation. Linked an organizer with 5 participant entrepreneurs in Africa to start micro-businesses in maternal health. Linked 1 participant innovation (menstrual pads) with 1 university (USIU) for venture exploration and development. Ghanaian participants motivated to start short maternal health training in local community in Ghana.</p>	<p>Birthing Network developed and discussing full summit focused on Maternal Health in India.</p>

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Tanzania	1	Nelson Mandela African Institute of Technology	Sharmarke Osman provided administrative and financial support for the IDDS Maternal and Child Health Summit.	Trained the summit host on handling financial and administrative requirements for the summit	None as IDIN did not continue to engage the summit host after the summit

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Tanzania	1	<p>Nelson Mandela African Institiution of Science and Technology, USAID Global Health Bureau via Karen Klune, JPHIGO, Twende-AISE, Arusha Regional Maternal and Child Helath Office, Monduli and Monduli Ju District Hospital, Oldonyo Sambo Helath Clinic, USAID Tanzania Maternal and Child Health Office, ayzh, USAID East Africa Mission Maternal and Child Health Office</p>	<p>Amy Smith traveled to Arusha to provide instructional support to the IDDS Maternal and Child Health Summit.</p>	<p>27 participants from communities facing development challenges trained in the design and innovation process. Produced 6 problem framing briefs and sketch models; one of which was further explored by the MIT D-Lab Discovery class.</p>	<p>Birthing Network developed and discussing full summit focused on Maternal Health in India.</p>

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Uganda	2	Kulika Uganda	Amy Smith and Kofi Taha co-led training of trainers in support of randomized controlled study of local innovation training in Uganda.	Continued preparation of 25 facilitators for the randomized control trial of our local innovation training methodology.	In Uganda, continue to support the implementation of the RCT, including support for facilitators and the Kulika management team.
Tanzania	1	Innovations in Gender Equality (IGE)	Follow-up visits in Tanzania with technology group trained by IDIN affiliated and trained facilitators.	Continued technical support for IDIN trainers collaborating with the IGE project; saw 33 technology projects in development.	In Tanzania, continue to provide technical advice and support to the IGE team implementing trainings and follow-up activities.
Zambia	1	NTBC, Light of Hope	Amy Smith traveled to Zambia to lead a D-Lab Development student trip.	Students traveled as a follow-up to the D-Lab Development class to work on projects they developed during the fall semester. Meetings with IDIN local chapter; follow-up with menstrual hygiene project; follow-up with IDDS charcoal project; meetings with Light of Hope: water chlorination project and ayzh clean birthing kit. Students also had an opportunity to visit Network members in Kafue to see their inventions and talk to their community organization.	Follow up visit by Jona Repishti and Tricia Matthews
Zambia	1	NTBC, Light of hope, Disacar, Peace Corps	Jona Repishti traveled to Zambia to meet with NTBC and local alumni and support project continuity.	NTBC workplan created, chapter created, IDDS follow-up conducted in all 4 IDDS communities with all 8 projects, KIVA-ayzh partnership launched; Peace Corps meetings conducted	Follow-up with ayzh- Kiva, chapter, projects and NTBC (to finalize their contract and Marc's employment);

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Uganda	3	Kulika Uganda	Amy Smith and Kofi Taha co-led training of trainers in support of randomized controlled study of local innovation training in Uganda.	Continued preparation of 25 facilitators for the randomized control trial of our local innovation training methodology.	Continue to support the implementation of the RCT, including support for facilitators and the Kulika management team.
Brazil	1	Caos Focado	Jona Repishti traveled to Brazil to meet with Caos Focado and the local alumni chapter and to support project continuity.	Chapter created, alums introduced to innovation center, follow-up on IDDS projects from 2012	Follow up with chapter and individual alumni projects
Ghana	1	KNUST	Amy Smith traveled to Ghana to meet with KNUST and support project continuity.	Meetings held with KNUST and IDIN members	Follow up visit by Jona Repishti
Tanzania	1	Twende-AISE; CAMARTEC; VETA	Sher Vogel traveled to Arusha to meet with communities in preparation for IDDS 2014.	8 Communities selected to work with for IDDS 2014. Talk with interested partners.	Implement IDDS 2014 and select 1 community member per community to attend the summit
Ghana	1	KNUST, Olin	Jona Repishti traveled to Ghana to meet with KNUST and local alumni and support project continuity.	Chapter created, alumni project follow-up, innovation center planning, student engagement in KNUST projects (in partnership with Ben); check up on microgrant projects	Follow up with chapter and individual alumni projects
Uganda	2	Kulika Uganda, Caritas Gulu Archdiocese	Amy Smith and Kofi Taha co-led training of trainers in support of randomized controlled study of local innovation training in Uganda. Support training and assess progress of Tet Innovation Center in Pader.	Continued preparation of 25 facilitators for the randomized control trial of our local innovation training methodology. Supported 3-day training in Pader. Planning meetings with Tet Center staff.	Continue to support the implementation of the RCT, including support for facilitators and the Kulika management team. Continue weekly follow-up activities with local innovation center staff; provide reporting templates.

Country	# Travelers	Partner(s) Engaged	Purpose	Outcome(s)	Next Steps
Tanzania	2	Twende-AISE; CAMARTEC; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Sher Vogel and Amy Smith traveled to Arusha to train organizers, finalize the design notebook and kick off IDDS 2014.	First version of design workbook completed; 48 participants trained on design and innovation in the development context; 8 prototypes created. Began relationship with Singapore Polytechnic.	Local partner (ECHO) selected to follow-up on local projects. Local chapter forming with community members. D-Lab trip in December follow-up.
Brazil	1	Caos Focado	Kofi Taha conducted trainings, built relationships and assessed progress of Caos Focado innovation center in Vila Nova Esperanza.	Created new outreach strategy with local staff; connected local staff to resources for the improvement of the innovation center's technical capacity. Built relationships with key stakeholders.	Continue weekly follow-up activities with local staff; provide reporting templates; work to create a formal agreement or letter of cooperation between IDIN and University of Sao Paulo.
Tanzania	1	Twende-AISE; CAMARTEC; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Laura Budzyna traveled to IDDS 2014 to conduct monitoring and evaluation activities throughout the summit and to conduct initial conversations with Twende-AISE and ECHO about their reporting systems.	Data collected from pre and post surveys, weekly feedback forms, prototype and community assessments, and organizer reflections. Findings and insights were shared with organizers and staff at a series of brownbag lunches.	Lessons learned and instruments will be shared with future summit organizers for program improvement and consistent M&E systems over time.
Tanzania	1	ECHO, Twende-AISE	Tricia Matthews traveled to Arusha to attend IDDS and meet with local partners ECHO and Twende-AISE.	Scope of work and budget developed for partners	Execution and monitoring of partners' work

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Ghana	2	KNUST; IDIN local chapter in Kumasi, Accra, and New Longoro	Sher Vogel and Tricia Matthews traveled to Ghana to meet with KNUST and local alumni and to lay the groundwork for IDDS 2015.	Assessment trip. Met with local partners and alumni in Kumasi, Accra, and New Longoro to begin planning for the summit. Draft budget created. Scope of work created.	Summit canceled - determined team was unprepared for 2015. Local alumni projects connected with technical experts in the network.
Tanzania	1	n/a	Jona Repishti traveled to Tanzania to deliver information to new IDDS participants about the IDIN network.	Network curriculum developed and delivered; next-steps planning with organizers and participants	Project follow-up, alumni integration in network
Tanzania	1	Twende-AISE; CAMARTEC; UC Davis; Olin; MIT; CSU; KNUST; USIU; Singapore Polytechnic; ITU; ECHO	Lauren McKown provided communications, advertising, and documentation support for IDDS 2014.	New photos, blogs, and news for IDIN's communications materials; improved relationships with local partners and Network members, program introduction to IDDS format and value	Using the new content obtained at the summit in ongoing communications materials including the website, newsletters, and social media. Working with local partners to properly brand the innovation center, support ongoing advertising, and communications in Tanzania.
Kenya	2	USIU	Jona Repishti and Tricia Matthews traveled to Kenya to meet with partners and support project continuity.	Planned USIU engagement in network and summit; chapter meeting conducted; microgrant check-up	Follow up with USIU, chapter support (ongoing)
Zambia	2	NTBC, Disacare, Light of Hope, Peace Corps	Jona Repishti and Tricia Matthews traveled to Zambia to meet with partners and support project continuity.	NTBC work plan, scope of work, and budget created, microgrant follow-up, chapter planning conducted, next step planning for IDIN support in Zambia; innovation center planning with Disacare and Robert and Stephen in Kafue	Follow up on projects, NtBC planning and alumni engagement