



West Africa Water Supply, Sanitation, and Hygiene Program (USAID WA-WASH)

BRIEFING NOTES

USAID WA-WASH ACCOMPLISHMENTS IN BURKINA FASO

PHASE I

August 2011-December 2015

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1. Introduction

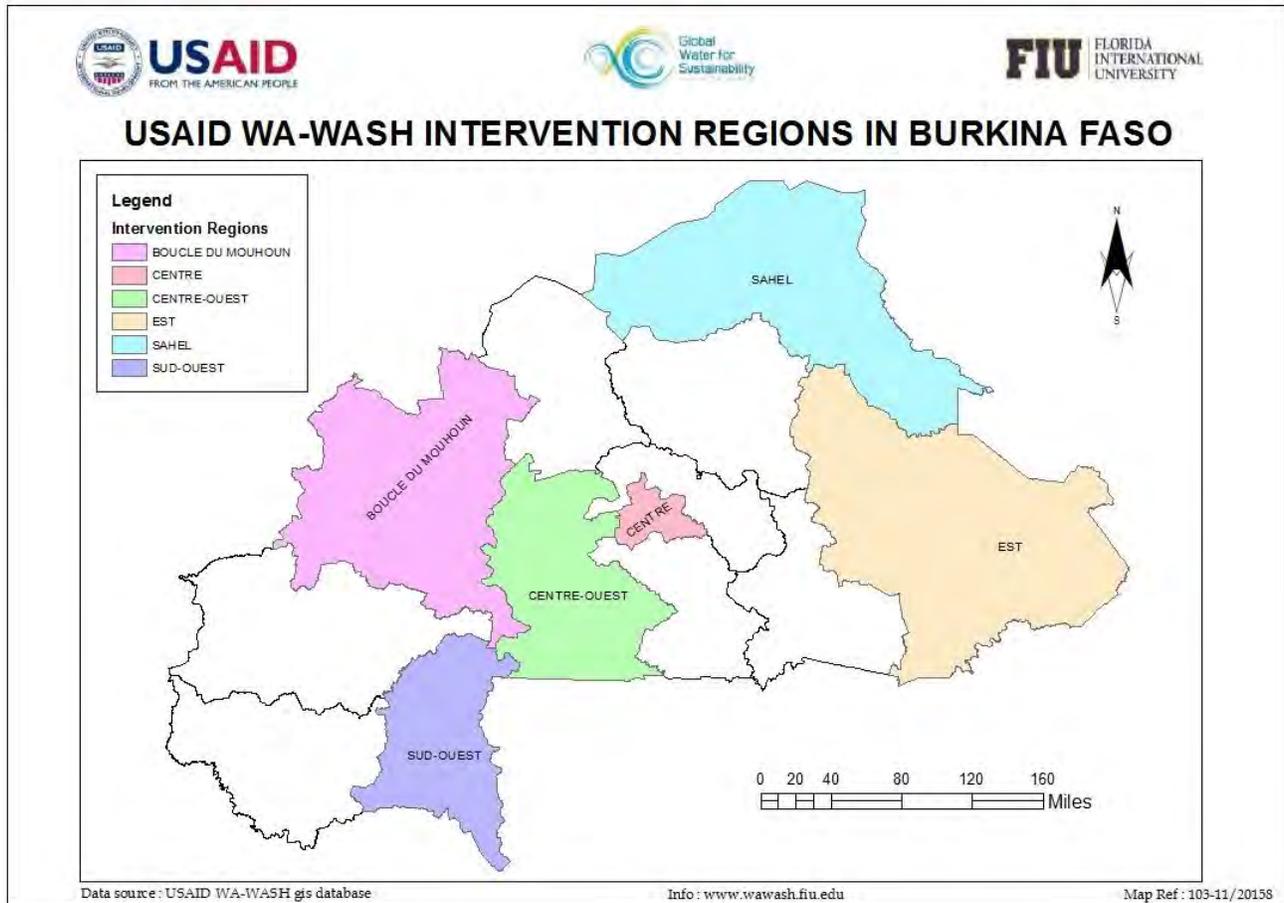
The primary goal of the USAID West Africa Water Supply, Sanitation, and Hygiene Program (USAID WA-WASH) is to increase sustainable access to safe water and sanitation and improve hygiene in West Africa. The objectives of the program are to:

- Support catalytic approaches to accelerate regional access to improved water supply/sanitation services and improved hygiene behaviors.
- Develop and implement improved models for sustainability of rural and peri-urban WASH service delivery that are replicable throughout West Africa.
- Build synergies between WASH interventions and critical USAID/West Africa regional priorities related to food security, climate change, and sustainable resource management.
- Strengthen regional enabling environment and capacity for WASH to achieve WASH MDGs in West Africa.

Under FIU's leadership, several organizations were responsible for the implementation of the program:

- CARE – USA
 - APDO -Ghana
 - PRUDA- Ghana
- Florida International University (FIU)
 - AfWA- Ivory Coast
 - WSA - Burkina Faso and Ghana
 - SOS - Burkina Faso
 - PROMACO - Burkina Faso
 - BARKA Foundation - Burkina Faso
- International Water and Sanitation Center (IRC) – Netherlands
- Building Partnerships for Development in water and sanitation (BPD) – United Kingdom
- International Water Association (IWA)
- Rainwater Harvesting Implementation Network (RAIN) - Netherland
 - VDS - Burkina Faso
- SKAT Foundation – Switzerland
 - Varena Asso – Burkina Faso
- UNESCO-IHE Institute for Water Education – Netherland
- WaterAid – USA
 - Varena Asso – Burkina Faso
 - VALPRO - Niger
 - Sahel Solidarité – Burkina Faso
 - DEMI-E- Niger
- Winrock International – USA
 - AMB - Burkina Faso
 - OCADES - Burkina Faso

The four-year program (August 2011–December 2015) is funded by USAID with \$20,000,000. The following sections outline the main accomplishment of the Program since its inception in providing water supply, sanitation, hygiene, food security, climate change, capacity building, and the mainstreaming of gender into development programs. A focus was given to activities implemented in Burkina Faso under each section.



2. Water and Sanitation situation

The National Agency for Water and Sanitation (ONEA in french) is the water utility company which provides water services in Burkina Faso. ONEA invests in cities of at least 10,000 inhabitants and has contracts with the private sector for water distribution in peri-urban areas. ONEA gets its water supply from surface and ground water with surface water being predominant. Statistics from the Ministry of Water and Sanitation reveal that the rates of access to water, as of December 2015, are 87% and 64% in urban and rural areas, respectively.

As for sanitation in urban areas, ONEA has developed and implemented two types of treatment models for sewage. One is the large scale sewage treatment model available in Ouagadougou and Bobo Dioulasso, and which consists in collecting and treating sewage via a lagoon system. The other is the household level sanitation which consists in constructing ventilated pit latrines and improved cesspits for collecting and treating human excreta and grey water. As of December 2015, the rate of access to sanitation was 32% in urban area and 9% in rural area.

In its efforts of delivering water and sanitation services, ONEA is accompanied by NGOs and associations which invest a lot in peri-urban and rural areas in the construction of water and sanitation facilities. These facilities include ventilated pit latrines, SanPlat latrines, ECOSAN latrines, improved cesspits, standpipes, rope pumps,

treadle pumps, bicycle pumps, and boreholes. Many financial and technical partners; examples of which are the United States International Development Agency (USAID), the European Union (EU), the African Development Bank (AfDB), and the World Bank (WB) have been also contributed to the effort of improving access to water and sanitation.

In 2009, the national authorities have decided to empower the municipalities with the management of water and sanitation services within their district. Thus, power and resources have been transferred to the municipalities. The goal behind this change in administration of public affairs is to increase efficiency and effectiveness in water and sanitation services delivery and to raise the rate of access to these basic services, as well.

3. Main accomplishments

3.1. Water supply

USAID WA-WASH met or exceeded most of its life-of-project targets in water supply. The Program promoted promising water solutions (low cost boreholes, well-boreholes, hand dug wells with concrete rings, rope pumps, treadle pumps, pole pumps, rain water harvesting, sand dams, small scale piped distribution systems, point of use treatment) to provide reliable access to water for drinking and livelihoods. As a result, 355 water points were installed or rehabilitated within the three countries to provide access to improved drinking water sources for 65,691 people. More specifically, in Burkina Faso, the Program has accomplished the following:

- Installed 197 family water points and 12 rehabilitated boreholes for the benefit of 18,560 individuals.
- The success of the supply chain and business approach developed by USAID WA-WASH resulted in the installation of 50 water points outside the Program intervention areas in Burkina Faso.
- In the Sahel region, USAID WA-WASH and 15 other donors extended the Dori water system to 16 villages; 64.5km of pipe and 40 public taps were installed for the benefit of 22,745 individuals.
- Rehabilitated three conventional boreholes, constructed 18 rainwater-harvesting tanks, three large diameter wells, and four sand dams to replenish groundwater storage. This resulted in 1,649 people having access to an improved drinking water source in the municipality of Tankougounadjé in the Sahel.
- Established and trained water point management committees for all installed/rehabilitated water points and ensured water quality testing for the benefit of 42,954 individuals since 2012.
- Analyzed 336 water samples which showed that most improved water points installed by the Program offer an acceptable quality at the source. A 2012 study conducted by the Program in three regions showed that microbiological contamination occurs during transportation and storage.
- Point of use water treatment activities were promoted through a community-based approach, with 1,261 shops and 3,293,400 tablets sold, resulting in 65,868,000 liters of water treated between August 2013 and August 2015. No doubt, this has resulted in less health problems for the beneficiaries.

The table below summarizes water related indicator status as of December 31, 2015.

No	Indicators ¹	LoP target	LoP results as of December 31, 2015	% LoP Target achieved	LoP target Burkina Faso	LoP results Burkina Faso
IN.02	Number of people gaining access to an improved drinking water source*	57,700	65,691	114%	41,200	42,954
IN.12	Percent of women who correctly use the household water treatment product in the targeted areas of the Program	54%	62%	115%	50%	45%
IN.19	Percent of community level Water Users Associations (WUA) with at least 40% female membership	80%	91%	114%	80%	86%
IN.32	Number of water related enterprises receiving technical training or business development service training	22	29	132%	9	13
IN.46	Percent of households using an improved drinking water source*	85%	87%	102%	87%	86%
IN.48	Number of households (in target areas) with increased availability of water for multiple uses	5,326	7,621	143%	2,750	2,673

¹ Indicators marked with an asterisk (*) are mandatory

3.2. Sanitation and Hygiene

Sanitation activities took place in all three countries with 318 communities triggered for community-led total sanitation (CLTS). Accordingly, 8,192 household latrines constructed within the three countries. Within the three countries, 521 sanitation stakeholders were trained including masons, facilitators, natural leaders, teachers, government officials, and technical services. As a result of these activities, 21 communities were certified-ODF in Niger and 23 additional communities were certified-ODF in Ghana. Finally, hygiene promotion activities resulted in an increase of the total number of hand washing stations with soap to 5,863 within the three countries. More specifically, in Burkina Faso, the Program has accomplished the following:

- 264 communities were triggered for community-led total sanitation
- 4,922 household latrines constructed within the target communities
- 2,303 hand-washing stations with soap installed

Further monitoring will be necessary to document the sustainability of the no-subsidy approach promoted in Ghana and Niger in order to inform policy making in Burkina Faso and other countries where latrine constructions require subsidies. The table below summarizes sanitation and hygiene related indicator status as of December 31, 2015.

No	Indicators ²	LoP target	LoP results as of December 31, 2015	% LoP Target achieved	LoP target Burkina Faso	LoP results Burkina Faso
IN.05	Number of communities certified as “open defecation free” (ODF) as a result of USG assistance	69	44	64%	50	0 ³
IN.07	Number of people gaining access to an improved sanitation facility*	39,124	62,625	160%	29,400	41,322
IN.09	Percent of households with soap and water at a hand washing station commonly used by family members	33%	48%	145%	35%	48%
IN.17	Number of new policies, laws, agreements, regulations, or investment agreements (public or private) implemented that promote access to improved water supply and sanitation*	6	5	83%	4	5
IN.47	Percent of households using an improved sanitation facility*	29%	55%	190%	26%	55%

² Indicators marked with an asterisk (*) are mandatory

³ Sanitation activities in Burkina Faso were slowed down by political unrest and procurement delays by WSA and IRC for latrine construction materials. The sanitation activities in the Eastern region of Burkina Faso will continue through 2017 with funding from the European Union. Over 50 communities are targeted to be certified open defecation free (ODF) by the end of the project.

3.3. Food Security

USAID WA-WASH food security activities concentrated on conservation farming, climate smart agriculture, gardening, moringa production, cassava production, and poultry production. In support of these activities, 5,855 agricultural producers received short-term agricultural sector productivity or food security training in Burkina Faso, Ghana, and Niger. In all three countries, the program promoted adapted production approaches to increase agricultural production, resulting in 2,549 farmers applying best agronomic practices. Furthermore, the Program evaluated various food security activities to gauge their impacts on the target communities. These activities include conservation farming, climate smart agriculture, moringa production; and rainy season onion. More specifically, in Burkina Faso, the Program has accomplished the following:

- 460 producers trained in climate smart agriculture techniques
- 1,181 producers trained in climate information usage
- 533 producers trained in conservation farming
- 307 producers trained in seeds storage and multiplication
- 816 producers trained in gardening
- 377 producers applied the gardening practices
- 431 producers trained in poultry raising
- 3,671 agricultural producers received short-term agricultural sector productivity or food security training
- 1,732 producers applied the techniques learned

The table below summarizes food security related indicator status as of December 31, 2015.

No	Indicators ⁴	LoP target	LoP results as of December 31, 2015	% LoP Target achieved	LoP target Burkina Faso	LoP results Burkina Faso
IN.52	Number of farmers and others who have applied new technologies or management practices as a result of USG assistance*	1,009	2,549	253%	671	1,732
IN.53	Number of individuals who have received USG supported short-term agricultural sector productivity or food security training*	3,137	5,855	187%	1 831	3,671

⁴ Indicators marked with an asterisk (*) are mandatory

3.4. Climate Change

Trainings on climate vulnerability and capacity analysis and community based adaptation tools and frameworks were held by USAID WA-WASH. Climate vulnerability assessments were carried out in 26 communities within the three countries. Accordingly, 26 community based adaptation plans were developed and validated at the community level. This exercise helped participants and community members to design and develop micro-projects on climate change. The program also trained 246 decision-makers within the three countries on the importance to integrate climate risks and adaptation into development strategies. As a result of the climate change related trainings, 5,657 stakeholders have increased capacity to adapt to the impacts of climate variability and change in the target countries. More specifically, in Burkina Faso, the Program has accomplished the following:

- Eight climate vulnerability assessments conducted and the resulting community based adaptation plans were validated and shared with the target municipalities for incorporation in their respective local development plans
- 131 decision-makers trained on integrating climate risks and adaptation into development strategies
- USAID WA-WASH signed a MOU with the Burkina Faso meteorological directorate to promote the dissemination of climate information and its integration into agricultural decisions in 10 communities in the Boucle du Mouhoun, Center, and Center West regions. Accordingly, 1,181 farmers were trained and 20 rain gauges were installed within these communities
- The Program also organized a regional climate change forum in Burkina Faso with 116 participants to share the USAID WA-WASH experience working with community members, women’s groups, producers, local radio, and local governments to improve the adaptive capacity of rural communities

The table below summarizes climate change related indicator status as of December 31, 2015.

No	Indicators ⁵	LoP target	LoP results as of December 31, 2015	% LoP Target achieved	LoP target Burkina Faso	LoP results Burkina Faso
IN.26	Number of people receiving training in global climate change as a result of USG assistance	671	2,165	323%	286	697
IN.27	Number of stakeholders with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance*	1,665	5,657	340%	815	2,184
IN.28	Number of climate vulnerability assessments conducted as a result of USG assistance*	25	27	108%	8	8
IN.29	Number of stakeholders using climate information in their decision making as a result of USG assistance*	115	122	106%	60	57

⁵ Indicators marked with an asterisk (*) are mandatory

3.5. Capacity Building

Major accomplishments were also recorded for capacity building, an important component of the Program’s sustainability strategy. Since 2012, over 21,318 stakeholders including masons, hygienists, drillers, pump manufacturers, local NGOs, local authorities, decision-makers, farmers, women’s groups, students, faculty members, etc., benefited from capacity building interventions provided by USAID WA-WASH within the three target countries. A total of 153 people from 15 countries and 38 academic institutions interned with the program. These students and young professionals have been able to find employment or a continuing their education after their internship ended. In addition, the program has 60 scholarship students in Burkina Faso, Ghana and Niger enrolled in Master’s programs related to USAID WA-WASH’s thematic areas. Further, USAID WA-WASH trained 22 staff members from Burkina Faso and Ghana water management agencies in Florida on water resources management. Thirty-nine instructors were trained on adult teaching and 11 faculty members from West African universities were trained on the development of WASH modules and curriculum enhancement. USAID WA-WASH also organized a WASH professional development forum for the benefit of 291 students in Burkina Faso and Ghana. Finally, 247 WASH practitioners received training on WASH governance in Burkina Faso and Ghana and 4,354 people, including water related enterprises, masons, hygienists, CLTS facilitators, water management committee members, water and sanitation committee members, local authorities, local NGOs, etc., benefited from trainings in WASH conducted by the Program.

More specifically, in Burkina Faso, the Program has accomplished the following:

- 12 staff members from the Ministry of Water Resources (10 water management agency staff and 2 advisers to the Minister) in Burkina Faso received training in Florida on water resources management
- Study tour for 11 high-level decision-makers from the Burkina Faso government (DGAEUE and advisors from the Ministry of Water) to USAID WA-WASH’s sites in northern Ghana to witness the success of unsubsidized CLTS applied in a similar socio-economic context as Burkina Faso
- 20 instructors from Centre des Metiers de l’Eau (CEMEau) of Burkina Faso received training in adult teaching
- 48 faculty members from the University of Ouagadougou received training in adult teaching
- 200 students participated in a WASH professional development forum organized by the Program at the Aube Nouvelle University
- 115 decision-makers and WASH practitioners received training on WASH governance in Burkina Faso
- 2,506 people, including water related enterprises, masons, hygienists, CLTS facilitators, water management committee members, water and sanitation committee members, local authorities, local NGOs, etc., benefited from trainings in WASH conducted by the Program

The table below summarizes capacity building related indicator status as of December 31, 2015.

No	Indicators	LoP target	LoP results as of December 31, 2015	% LoP Target achieved	LoP target Burkina Faso	LoP results Burkina Faso
IN.18	Number of NGO/local/national/regional governments that benefit from capacity building interventions	201	418	208%	154	358
IN.35	Number of people receiving training in WASH as a result of USG assistance	2,161	4,354	201%	1,286	2,407
IN.37	Number of WASH modules (group modules, etc.) developed by academic institutions	6	3	50%	2	1

3.6. Gender Mainstreaming

USAID WA-WASH gender mainstreaming and promotion activities resulted in the review of countries' national policies and strategies on gender and WASH policies within West Africa and the involvement of women in water point management committees. Further, 492 female leaders from MUS committees, VSLA groups and WATSAN committees, received training on leadership and 80 male gender champions were trained on local gender advocacy in Burkina Faso and Ghana. . The Program's gender advocacy strategy resulted in 569 women gaining access to plots for gardening and most water point management committees having at least 40% of women membership within the three countries. The program also identified 40 male gender champions and established 10 drama groups to support gender related activities in Ghana. USAID WA-WASH supported the establishment of 203 village savings and loan associations and 7,198 people were trained on mainstreaming gender into WASH within the three countries.

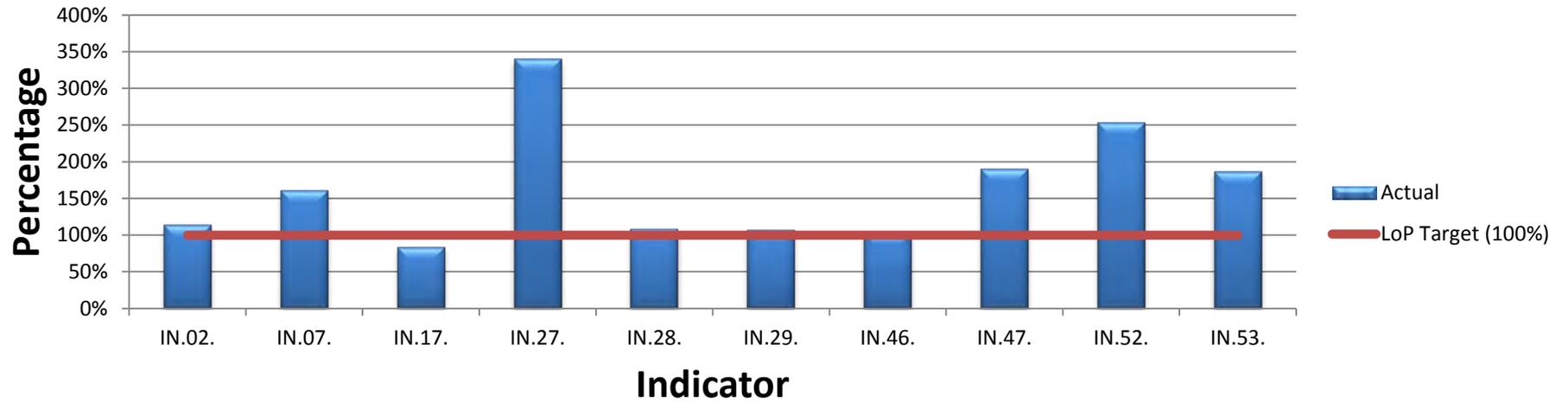
More specifically, in Burkina Faso, the Program has accomplished the following:

- Preparation of proposal for gender advocacy into WASH policies through WASH networks and coalitions and a package of gender mainstreaming best practices with concrete illustrative examples to strengthen the capacity of the Program's implementing partners.
- Coaching and mentoring sessions on gender integration into WASH for 35 partners' staff members in Burkina Faso.
- 99 female leaders from MUS committees, VSLA groups and WATSAN committees, received training on leadership.
- 22 male gender champions were trained on local gender advocacy
- 139 women engaged in market gardening
- Capacity building of 13 self-established VSLA groups in Burkina Faso and 27 community volunteers were trained to support the VSLAs after the Program close out

The table below summarizes gender related indicator status as of December 31, 2015.

No	Indicators	LoP target	LoP results as of December 31, 2015	% LoP Target achieved	LoP target Burkina Faso	LoP results Burkina Faso
IN.19	Percent of community level Water Users Associations (WUA) with at least 40% female membership	80%	91%	114%	80%	86%
IN.39	Number of gender specific actions into WA-WASH plans developed and implemented	22	32	145%	6	6
IN.40	Number of people trained in mainstreaming gender into WASH	319	7,198	2,256%	77	2,448

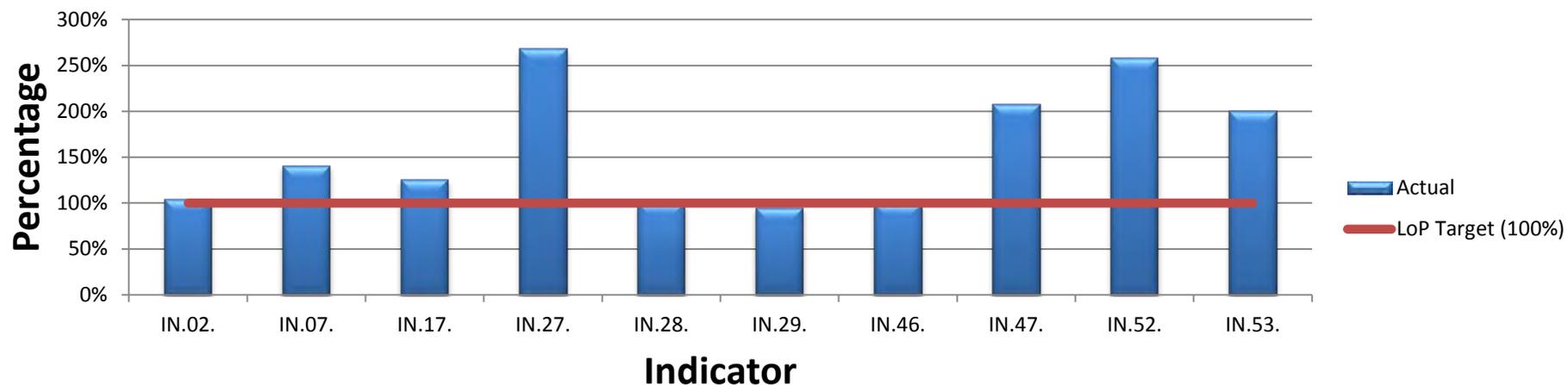
USAID WA-WASH 10 MANDATORY INDICATORS STATUS



Legend

IN.02.	Number of people gaining access to an improved drinking water source
IN.07.	Number of people gaining access to an improved sanitation facility
IN.17.	Number of new policies, laws, agreements, regulations, or investment agreements implemented that promote access to improved water supply and sanitation
IN.27.	Number of stakeholders with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance
IN.28.	Number of climate vulnerability assessments conducted as a result of USG assistance
IN.29.	Number of stakeholders using climate information in their decision making as a result of USG assistance
IN.46.	Percent of households using an improved drinking water source
IN.47.	Percent of households using an improved sanitation facility
IN.52.	Number of farmers and others who have applied new technologies or management practices as a result of USG assistance
IN.53.	Number of individuals who have received USG supported short-term agricultural sector productivity or food security training

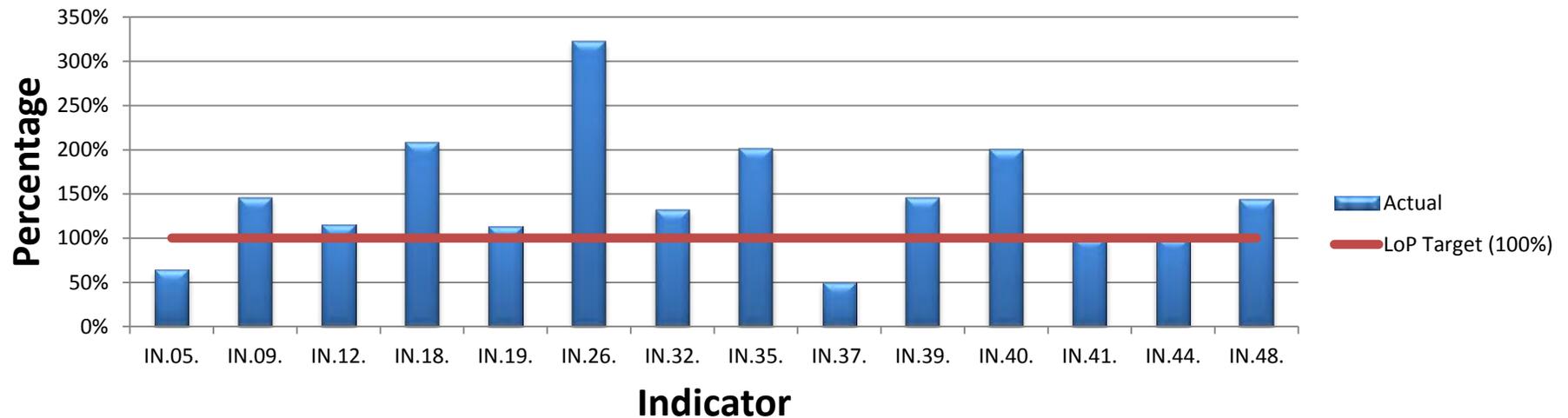
USAID WA-WASH 10 MANDATORY INDICATORS STATUS FOR BURKINA FASO



Legend

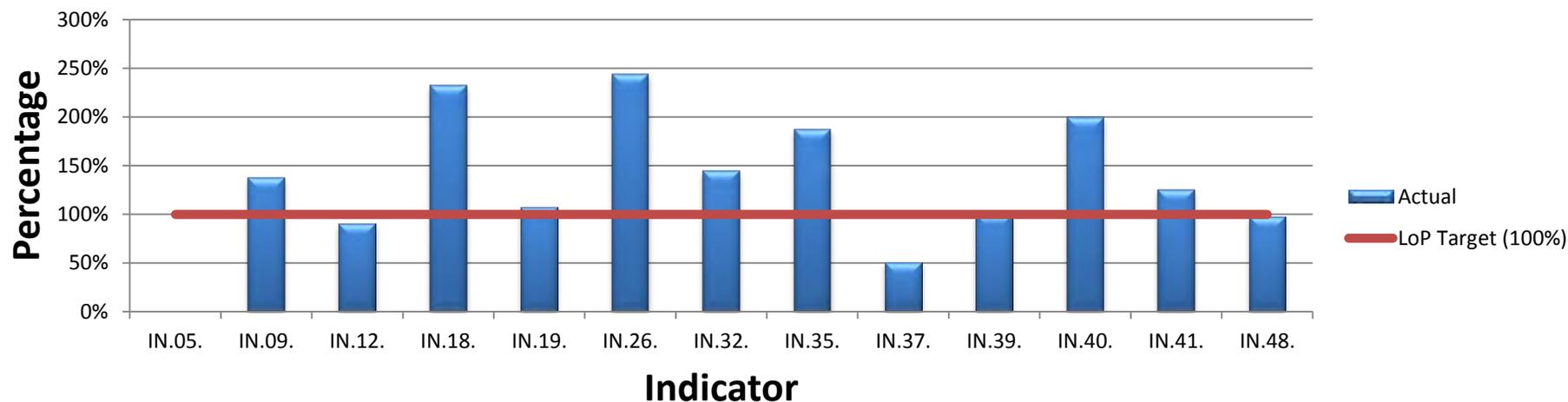
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IN.07.	Number of people gaining access to an improved sanitation facility
IN.17.	Number of new policies, laws, agreements, regulations, or investment agreements implemented that promote access to improved water supply and sanitation
IN.27.	Number of stakeholders with increased capacity to adapt to the impacts of climate variability and change as a result of USG assistance
IN.28.	Number of climate vulnerability assessments conducted as a result of USG assistance
IN.29.	Number of stakeholders using climate information in their decision making as a result of USG assistance
IN.46.	Percent of households using an improved drinking water source
IN.47.	Percent of households using an improved sanitation facility
IN.52.	Number of farmers and others who have applied new technologies or management practices as a result of USG assistance
IN.53.	Number of individuals who have received USG supported short-term agricultural sector productivity or food security training

USAID WA-WASH 14 CUSTOM INDICATORS STATUS



Legend	
IN.05.	Number of communities certified as “open defecation free” (ODF) as a result of USG assistance
IN.09.	Percent of household with soap and water at a hand washing station commonly used by family members
IN.12.	Percent of women correctly use the household water treatment product in the targeted areas of the project
IN.18.	Number of NGO/local/national/regional governments that benefit from capacity building interventions
IN.19.	Percent of community level Water Users Associations (WUA) with at least 40% female membership
IN.26.	Number of people receiving training in global climate change as a result of USG assistance
IN.32.	Number of water related enterprise receiving technical training or business development service training
IN.35.	Number of people receiving training in WASH as a result of USG assistance
IN.37.	Number of WASH modules (group modules, etc.) developed by academic institutions
IN.39.	Number of gender specific actions into WA-WASH plans developed and implemented
IN.40.	Number of people trained in mainstreaming gender into WASH
IN.41.	Number of institutional partnerships created as a result of USG assistance
IN.44.	Number of successfully implemented action plans developed and revised by partnership practitioners
IN.48.	Number of households (in target areas) with increased availability of water for multiple uses

USAID WA-WASH 13 CUSTOM INDICATORS STATUS FOR BURKINA FASO



Legend	
IN.05.	Number of communities certified as “open defecation free” (ODF) as a result of USG assistance
IN.09.	Percent of household with soap and water at a hand washing station commonly used by family members
IN.12.	Percent of women correctly use the household water treatment product in the targeted areas of the project
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IN.26.	Number of people receiving training in global climate change as a result of USG assistance
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IN.37.	Number of WASH modules (group modules, etc.) developed by academic institutions
IN.39.	Number of gender specific actions into WA-WASH plans developed and implemented
IN.40.	Number of people trained in mainstreaming gender into WASH
IN.41.	Number of institutional partnerships created as a result of USG assistance
IN.44.	Number of successfully implemented action plans developed and revised by partnership practitioners
IN.48.	Number of households (in target areas) with increased availability of water for multiple uses

4. Conclusion

Since its inception in 2011, USAID WA-WASH partners have designed and implemented their activities with sustainability in mind. The following approaches have been employed since the beginning of the USAID WA-WASH Program to ensure the sustainability of its activities: access to water and sanitation using low-cost technologies; capacity building across the WASH sector; community ownership; promotion of the private sector; partnership with local NGOs; and buy-in from government. Notably, the Program has worked with more than 13 local NGOs (of which 7 are from Burkina Faso) since its inception, including PROMACO, ANIMAS-SUTURA, NODEF, APDO, DEMI-E, SOS Sahel, AMB Koudougou, OCADES Dedougou, Barka Foundation, Association des Volontaires pour le Développement au Sahel, PRUDA, Water, and Sanitation for Africa (WSA) and ASUDEC. An additional sustainability strategy is to leverage funds from non-US government donors. In total, USAID WA-WASH has raised \$5,927,493 in matching or leveraged funds against a USG contribution of \$1,621,452 for a total program investment of \$20,000,000.

Finally, many USAID WA-WASH activities were designed to be implemented in four phases over the life of the Program: pilot, adjust, scale up, and share lessons learned. This approach allowed the program to focus on achieving its objectives in early years and transition activities to local actors in later years. As the four-years of the program ended, we believe that the lessons learned from the implementation of the USAID WA-WASH can be beneficial to a number of WASH stakeholders and the scaling-up our field activities can be accomplished in a sustainable way given the conscious investment made to ensure the sustainability of all the Program's activities. To ensure that the WASH sector as a whole addresses the need of the rural and urban population it is critical that the capacity of the major WASH regional institutions be addressed.