

POLICIES/INVESTMENTS INFORMED BY CGIAR RESEARCH (COMMON REPORTING INDICATOR I3)

CRP	DESCRIPTION	EXPLANATION	LOCATION	STATUS
A4NH	Design of Ethiopia's Productive Safety Net Program redesigned to address maternal and child nutrition explicitly	Policymakers in Ethiopia, informed by evidence from Transform Nutrition, were guided to redesign the Productive Safety Net Programme with the inclusion of specific nutrition elements to increase the potential for this programme to improve maternal and child nutrition	Ethiopia	Enacted
A4NH	Improved risk assessment and foodborne disease surveillance system in Vietnam benefitting up to 94 million consumers	Vietnam's food systems are evolving rapidly, making food safety a high priority for the government. Over the past four years, A4NH scientists from ILRI mobilized, produced, or contributed to a range of initiatives which have supported a shift in food safety policy from an inspection and enforcement approach to a risk-based inspection and monitoring system bolstered by compliance incentives.	Vietnam	Enacted
A4NH	Design of Bangladesh's Vulnerable Group Development program modified to include nutrition Behaviour Change Communication(BCC) in order to improve mother and child nutrition.	Numerous stakeholders – donors, investors, UN agencies, and government ministries – used findings from a pilot study, the Transfer Modality Research Initiative (TMRI) on integrating across sectors and the role of nutrition behavior change communication (BCC). Specifically, the Ministry of Women and Children Affairs adopted the recommendations to incorporate BCC into the government's Vulnerable Group Development program, one of the largest safety nets targeting destitute women in the country. Relatedly, UNICEF and World Bank have used the same findings in their feedback on the 2016 National Nutrition Plan of Action for Bangladesh.	Bangladesh	Enacted
A4NH	Government of Bangladesh with support from UNICEF implemented recommendations to strengthen frontline delivery through District Nutrition Officers.	Policymakers in Bangladesh drew on evidence from the Transform Nutrition research program consortium (2011-2017), as well as an assessment of the National Nutrition Service (NNS), to inform the nutrition section of the National Five-Year plan in 2015. This plan is the framework for policy decisions made by the Government of Bangladesh. Since the National Nutrition Service assessment was completed, the Government of Bangladesh have implemented ecommendations to strengthen frontline delivery through District Nutrition Officers, with support from UNICEF.	Bangladesh	Enacted
A4NH	Government of Odisha (India) rolled out the Odisha Multi-Sectoral Nutrition Action Plan (2017-20)	POSHAN (Partnerships and Opportunities to Strengthen and Harmonize Actions for Nutrition in India), a project within A4NH supported the government of Odisha, India, to	India (Odisha)	Enacted

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		roll out the Odisha Multi-Sectoral Nutrition Action Plan (2017-20)		
A4NH	Government of India launched a National Nutrition Strategy in 2017	Data and strategic inputs from POSHAN (Partnerships and Opportunities to Strengthen and Harmonize Actions for Nutrition in India) influenced and supported the framing of India's National Nutrition Strategy in 2017. For example, the district heat maps in the final strategy document were done by POSHAN and a strategy inputs document that was shared in 2016 has features/elements of which are reflected in the National Nutrition Strategy document.	India	Enacted
A4NH	Improvements in government policy and procedures related to nutrition in four African countries as a result of participation in the Transform Nutrition course	Global nutrition leaders have applied learning from the Transforming Nutrition course in their work as program practitioners and policy makers. At least four global nutrition leaders who attended the Transforming Nutrition short course - from Kenya, Malawi, Nigeria, and Tanzania - reported changes to specific government policy, and organizational policy and procedures related to nutrition that they were able to influence [The outcome case study describes each individual country example.]	Nigeria, Malawi, Tanzania, Kenya	Enacted
A4NH	The Bill & Melinda Gates Foundation invested \$4 million to launch the five-year Transform Nutrition West Africa for nutrition knowledge generation and mobilization across the region	Recognizing the wide influence of Transform Nutrition, the Bill & Melinda Gates Foundation invested \$4 million to launch the five-year Transform Nutrition West Africa for nutrition knowledge generation and mobilization across the region	West Africa (Senegal, Burkina Faso, Ghana, Nigeria)	Enacted
A4NH	East African Community (EAC) released nine policy briefs on aflatoxins, based largely on technical papers produced by CGIAR and partners	11 technical papers on aflatoxins that had been endorsed by the East African Community (EAC) secretariat were converted in 2017 into nine policy briefs for further deliberations by the EAC's Sectoral Council on Agriculture and Food Security	East Africa	Underway (taken up by next users)
A4NH	Global Forum on Food Security and Nutrition endorsed the nutrition-sensitive value chains framework and several more partners, including several of the Rome-based agencies (RBAs) adapted, applied, and embedded it projects and in several completed and ongoing evaluations	Committee on World Food Security cites A4NH framework and evidence on nutrition-sensitive value chains in Food Security and Nutrition consultation on Nutrition Sensitive Value Chains plus NSVC approach has been adopted by Rome-based agencies to guide their work (FAO, IFAD, WFP)	Global; For IFAD, Bangladesh, Bolivia, Nigeria, Indonesia (in 2017, others in 2016)	Underway (taken up by next users)
A4NH	The International Fund for Agricultural Development (IFAD) progressed in mainstreaming nutrition into its investments	Technical specialist reviews provided for IFAD corporate strategies, reporting documents, country operational guidance, and general functioning of the IFAD team of nutrition specialists, supporting IFAD action to mainstream nutrition into its investments (nutrition team workplan, project supervision rating guidance, corporate results		Underway (taken up by next users)

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		management framework, briefs) as part of an A4NH secondment to IFAD.		
A4NH	Biofortification definition advances to Step 5 in the Codex process add a couple of words to explain implications	Biofortification definition advances to Step 5 in the Codex process	Global	Underway (taken up by next users)
A4NH	World Bank's Agriculture Global Practice Report "An Overview of Links Between Obesity and Food Systems Implications for the Agriculture Agenda" cited evidence on biofortification	HarvestPlus evidence on biofortification cited in World Bank's Agriculture Global Practice Report "An Overview of Links Between Obesity and Food Systems Implications for the Agriculture Agenda"		Underway (taken up by next users)
A4NH	African Development Bank's Nutrition Strategy cited evidence on biofortification	HarvestPlus evidence on biofortification cited in African Development Bank's Nutrition Strategy	Africa	Underway (taken up by next users)
A4NH	FAO's Nutrition-Sensitive Agriculture and Food Systems in Practice: Options for Intervention cited evidence on biofortification	HarvestPlus evidence on biofortification cited in FAO's Nutrition-Sensitive Agriculture and Food Systems in Practice: Options for Intervention		Underway (taken up by next users)
A4NH	Malabo-Montpellier Panel Report "Nourished: How Africa Can Build a Future Free from Hunger and Malnutrition" cited evidence on biofortification	HarvestPlus evidence on biofortification cited in Malabo-Montpellier Panel Report "Nourished: How Africa Can Build a Future Free from Hunger and Malnutrition"	Africa	Underway (taken up by next users)
A4NH	Committee on World Food Security High Level Panel of Experts on Food Security and Nutrition Report "Nutrition and Food Systems" cited CGIAR evidence on biofortification	HarvestPlus evidence on biofortification cited in Committee on World Food Security High Level Panel of Experts on Food Security and Nutrition Report "Nutrition and Food Systems"		Underway (taken up by next users)
A4NH	World Food Program (WFP) adopted recommendations on how to make programs more nutrition-sensitive	Provided guidance to WFP on how to make their programs more nutrition-sensitive		Underway (taken up by next users)
A4NH	The Bill & Melinda Gates Foundation's private sector strategy took into consideration evidence on prices and diets	ARENA-1 has influenced the focus of the Gates Foundation Private sector strategy with background research on prices and diets		Underway (taken up by next users)
A4NH	Increased focus on investments on nutrition in African countries	Evidence from Transform research contributed to encouraging African Heads of State and Finance Ministers to focus investment on nutrition.	Africa	Underway (taken up by next users)
A4NH	USAID's Nutrition Strategy cited evidence on strengthening enabling environments as a strategy for nutritional improvement within a country and cost-benefit analysis.	The USAID Nutrition Strategy 2014-2025 uses the conceptual framework developed by Transform Nutrition for strengthening enabling environments, which it recognises as critical for nutritional improvement within a country, and refers to Transform Nutrition work on cost-benefit analysis.		Underway (taken up by next users)
A4NH	Kenya's draft National Brucellosis Strategy incorporated CGIAR evidence from ILRI /Livestock	ILRI evidence incorporated into Kenya National Brucellosis strategy	Kenya	Underway (taken up by next users)

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A4NH	India's National Plan of Action for Children cited the India Health Report	The India Health Report, which was supported by Transform Nutrition, was cited in the National Plan of Action for Children, 2016 of the Government of India from the Ministry of Women and Child Development, and has become a go-to source of data for State Level Ministers to inform their planning.	India	Underway (taken up by next users)
A4NH	Government of Kenya agreed to incorporate ILRI's eSurveillance in low potential areas with their eSurveillance from high potential areas	awaiting further details	Kenya	Underway (taken up by next users)
A4NH	National Food Security Investment Plans (NAFSIPs) of Tanzania, Nigeria, Malawi, Senegal, The Gambia, and Uganda included Aflasafe as an important aflatoxin mitigation tool.	Aflasafe included as an important aflatoxin mitigation tool in National Food Security Investment Plans (NAFSIPs) of Tanzania, Nigeria, Malawi, Senegal, The Gambia, and Uganda	Tanzania, Nigeria, Malawi, Senegal, The Gambia, Uganda	Underway (taken up by next users)
A4NH	Specific International Fund for Agricultural Development (IFAD) projects in six countries designed to be nutrition sensitive	Technical specialist reviews provided during project preparation to make IFAD-funded project designs nutrition sensitive (Bangladesh, Bolivia, Brazil, Dominican Republic, Guatemala, Iraq) - project design teams as part of an A4NH secondment to IFAD	Bangladesh, Bolivia, Brazil, Dominican Republic, Guatemala, Iraq	Underway (taken up by next users)
A4NH	The Bill & Melinda Gates Foundation provided continuation of funding for a second phase of the Advancing Research on Nutrition and Agriculture project (ARENA) project.	Recognizing the wide influence of the Advancing Research on Nutrition and Agriculture project (ARENA), the Bill & Melinda Gates Foundation (BMGF) provided continuation of funding for a second phase		Underway (taken up by next users)
A4NH	World Bank Africa and Latin America and Caribbean (LAC) regions recommend including biofortified crops in agricultural transformation programs such as the West Africa Agricultural Transformation Program and East and Central Africa Agricultural Transformation Program (ECAAT)/ Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA)	World Bank Africa and LAC regions have requested FP2/HarvestPlus' technical advice and guidance to include biofortified crops in agricultural transformation programs such as the West Africa Agricultural Transformation Program and East and Central Africa Agricultural Transformation Program (ECAAT)/ Association for Strengthening Agricultural Research in Eastern and Central Africa (ASARECA)	Regional (Africa, Asia, LAC) National (Rwanda, Gambia, Cameroon, Uganda, Nepal, Zambia)	Underway (taken up by next users)
A4NH	White paper on food safety used to guide the development of a new USAID innovation lab on food safety to be formally launched in 2018	USAID requests white paper on food safety, which is used to guide the development of the new innovation lab on food safety (to be launched in 2018).		Underway (taken up by next users)
A4NH	Technical support to a food safety situational analysis in Vietnam underpins a \$20 million investment in 4 cities	ILRI provided technical support to a food safety situational analysis in Vietnam, which underpins a \$20 million investment in 4 cities	Vietnam	Underway (taken up by next users)
A4NH	Government of India invited partners to develop nutrition case studies for training Indian Administrative Services (IAS) officials	POSHAN collaborated with partners to develop nutrition case studies for training Indian Administrative Services (IAS) officials	India	Underway (taken up by next users)

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A4NH	Transforming Nutrition short course curriculum modified/developed taking into account latest research and capacity needs	Annual development/modification of curriculum for the Transforming Nutrition course to update with latest research.		Underway (taken up by next users)
CCAFS	United Nations Framework Convention on Climate Change (UNFCCC) decision on agriculture after six years of negotiations.	Since 2011, agriculture has been a topic of negotiations under the UNFCCC. CCAFS provided inputs into this process, through formal submissions and capacity building for countries, and a decision was reached at COP23 to further discussions under both the technical and implementation bodies of the UNFCCC.	global	Underway (taken up by next users)
CCAFS	Developing a new international system of plant germplasm exchange, as part of implementation of the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA).	The intergovernmental and stakeholder group in charge of international negotiations for enhancing the multilateral system of access and benefit-sharing under the ITPGRFA introduced content into the negotiating text that will be used as the basis of negotiations in 2018 based on submissions from CCAFS in 2017. The enhanced multilateral system eventually adopted by all the parties to the Plant Treaty is therefore expected to take into consideration and integrate elements and aspects of crucial importance for CCAFS.	global	Underway (taken up by next users)
CCAFS	National policies and laws for implementing the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA) adopted by Bhutan, Burkina Faso, Costa Rica, Côte d'Ivoire, Guatemala, Nepal, Rwanda and Uganda	With technical support of CCAFS/Bioversity International, government organizations in eight countries developed policies/laws, introduced these into national policy processes to create policy/legal space for Treaty implementation, identified genetic resources within their country to be included in the multilateral system, designated national competent authorities capable to consider requests for access to plant genetic resources for food and agriculture and sharing of those resources with users worldwide.	Bhutan; Burkina Faso; Costa Rica; Côte d'Ivoire; Guatemala; Nepal; Rwanda; Uganda	Underway (taken up by next users)
CCAFS	New laws were passed to enhance capacity to adapt to climate change by implementing the International Treaty on Plant Genetic Resources for Food and Agriculture (ITPGRFA) and the Nagoya protocol, in Madagascar and Benin.	New laws were passed in Benin and Madagascar to implement the ITPGRFA and Nagoya Protocol. The laws were drafted by national teams supported by CCAFS, drawing on CCAFS' science: that 1) demonstrated how to identify and access potentially adapted genetic materials of local food security crops negatively affected by climate change using the ITPGRFA and 2) analyzed options for national and community level implementation of the ITPGRFA and Nagoya Protocol.	Madagascar; Benin	Underway (taken up by next users)

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CCAFS	Rwanda initiated a national policy framework for climate services under the UN Global Framework for Climate Services	Building on CCAFS innovation and engagement, the Rwanda National Meteorological Agency initiated a National Framework for Climate Services (NFCS). The NFCS is a policy framework and multi-sector coordinating mechanism, under the UN Global Framework for Climate Services, to facilitate the development and delivery of climate services to manage risks across climate-sensitive sectors. The NFCS process contributes toward the SDGs, Rwanda's National Strategy for Transformation, and Rwanda's Green Growth and Climate Resilient Strategy.	Rwanda	Underway (taken up by next users)
CCAFS	Kenya launched the Climate Smart Agriculture Strategy 2017-2026.	With support from CCAFS, ICRAF, CIFOR, ILRI and CIAT, Kenya has developed a Climate Smart Agriculture Strategy (KCSAS) 2017-2026 to guide investments and implementation of climate-smart agriculture (CSA) activities, for improving productivity and food security, while addressing climate change adaptation and mitigation. The strategy will support implementation of Nationally Determined Contribution (NDC), submitted to UNFCCC in 2015, as well as reducing sectoral emissions to 30 MtCO ₂ e relative to business as usual projection of 37 MtCO ₂ e in 2026.	Kenya	Underway (taken up by next users)
CCAFS	The Climate Smart Village approach and associated tools have been taken up at the sub-national level in Vietnam, Colombia and the Philippines.	In the Philippines, the Climate-Smart Village (CSV) approach has informed the Government's AMIA program. In Colombia, the CSV approach is being promoted by municipal and state authorities in Cauca investing in CSA practices aiming to reach approximately 150,000 farmers. In Vietnam, six major rice growing provinces adopted the CS MAP tool to manage rice production.	Vietnam; Colombia; Philippines	Underway (taken up by next users)
CCAFS	Informed investments of USD 170 million in India for scaling up the Happy Seeder technology	Science-based evidence generated by CCAFS/CIMMYT and partners helped the Indian Government to prioritize crop residues management solutions and establish a large scale routing investment of INR 1150 crores for in-situ management using the Happy Seeder technology. Responding to the Prime Ministers call to curb crop residue burning while providing sustainable and scalable solutions, this scheme targets an increased incomes for over 2 million farmers, improving soil health, reducing water use and carbon footprints in 4 million hectares.	India	Underway (taken up by next users)

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CCAFS and WLE	Informed investment of USD 21.5 billion by the Indian Government and partners to provide 2.75 million solar pumps to farmers and farmer cooperatives.	The Solar Pump Irrigators' Cooperative Enterprise (SPICE) tested and evaluated in the states of Gujarat and Bihar in India by IWMI/WLE and CCAFS in collaboration with Tata Trust is being scaled out by the Government of India through a new multi-billion-dollar scheme to implement solarisation of farm irrigation. As per the scheme, the Government of India, Ministry of New and Renewable Energy (MNRE) plans to invest USD 7 billion over the next 10 years, which will be complemented with farmer contributions (10%), state government contributions (30% subsidy) and loans (30%), i.e. a total investment by all parties of USD21.5 billion over 10 years in solar pumps.	India	Underway (taken up by next users)
CCAFS	Informed investment of USD 2 million for a regional Climate Smart Agriculture (CSA) strategy for Central America	CCAFS led the technical component in the formulation process of the CSA regional strategy for SICA region, as a request from the Central-American-Agricultural-Council (CAC). CCAFS research outputs and expert support were key to develop a robust policy instrument that could continue in force despite a diversity of plausible future pathways considering climate change. The latter was achieved using CCAFS future scenarios methodology. The CSA-strategy has been able to attract USD\$2million in terms of initiatives/projects for implementing CSA in the region.	Central America	Underway (taken up by next users)
CCAFS	Informed investment of USD 1.6 million for Climate Smart Agriculture (CSA) in Niger	Evidence of success at the CSV of Niger, has driven the interest of the European Union, who is committing € 1.4 million for 2.5 years for CCAFS to technically assist the Ministry of Environment and Sustainable Development of Niger to mainstream CSA into an 11 million Euro climate resilience support project in Niger (called PARC-DAD - Projet d'appui à la résilience climatique pour un développement agricole durable).	Niger	Underway (taken up by next users)
CCAFS	Informed investment of USD 1.2 million for scaling up 'Underground Taming of Floods for Irrigation' (UTFI) in India	Government of Uttar Pradesh has developed district development plans using our research on this novel new 'underground' solution (UTFI) that transforms water hazards into opportunities and provides a new tool for CSA. The Plans have been finalized with District Rural Development Agency of Rampur District (pop. 2million), with an budget allocation of USD 1.2million. District officials are being provided with training and others forms of support to ensure upscaling proceeds successfully.	India	Underway (taken up by next users)

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CCAFS	Informed investment of USD 66 million in Colombia for scaling up Climate Smart Agriculture (CSA) in Cauca, Colombia	The State Government of Cauca approved USD\$66 million from the Royalties National Fund to give to CRC (Cauca Environmental Authority) to scale CSA in at least 8 municipalities of the State.	Colombia	Underway (taken up by next users)
Fish	Mekong basin fisheries management strategies	Mekong basin fisheries face multiple pressures. Several years of fisheries research within the Mekong basin was used to contribute to the formulation of a new management strategy for Mekong basin fisheries	Southeast Asia	Underway (taken up by next users)
Fish	7 national policies (Cambodia, India, Malawi, Myanmar) relating to water and land use tenure policies for rice-field fisheries, fish breeding, aquaculture research, small-scale fisheries management and fish value chain development	Aquaculture and fisheries are often not well recognised or supported in national policies in Africa or Asia. Our research in 2017 contributed to changes in national policies in four countries, providing a more conducive enabling environment for aquaculture and fisheries to contribute to national development goals.		Underway (taken up by next users)
Fish	Fisheries Law in the Ayeyarwady region of Myanmar	Myanmar's fisheries laws are undergoing transition. Several years research on inland fisheries management within the productive Ayeyarwady delta region, with civil society partners and networks, has contributed to the inclusion of community based fisheries management in revisions of the Ayeyarwady region fisheries law, a significant step in improving access of poor fishers to the rich resources of the region.	Myanmar	Underway (taken up by next users)
Fish	Legal instruments (Cambodia): Sub-decree on community fisheries	Research on community-based management of capture fisheries in Cambodia has supported the Government in revision of a legislation related to community fisheries.	Cambodia	Underway (taken up by next users)
Fish	Informed aquaculture investment projects with African Development Bank (AfDB) Project or projects in Zambia	Aquaculture research on fish genetics and private-sector led business models contributed to the formulation of an aquaculture enterprise development investment of USD45 million, supporting scaling of aquaculture enterprises within the country.	Cambodia & Myanmar	Underway (taken up by next users)
Fish	Informed aquaculture investment projects with World Bank Project in State of Assam, India	Aquaculture research within the South Asian region provided the technical knowledge to assist formulation of a new World Bank investment of USD20 million into fish value chains within the State of Assam.	Cambodia & Myanmar	Underway (taken up by next users)
Fish	Informed aquaculture investment projects with Odisha State government, India	Aquaculture research contributed to investments of the State Government of Odisha in implementation of the Odisha State Fishery Policy, focussed around five research-based interventions (carp- polyculture, GIFT tilapia farming, sustainable intensification of carps, fisheries co-management in reservoirs, GIS and spatial planning for management of inland water resources. The policy has a focus	Odisha State, India	Underway (taken up by next users)

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		on reducing under-nutrition and poverty within the State.		
FTA	Vietnam's 2017 Law on Forestry	FTA analysis of forest policies and institutions, payment for environmental services and safeguards, conducted in partnership with MARD and Vietnam Academy of Forest Science, were drawn on in the revision of Forestry Law. FTA researchers were asked to work with the Ministry of Agriculture and Rural Development to facilitate multi-stakeholder consultation on the review process. They were also invited to participate in a number of information exchange events, meetings and dialogues during the revision process.	Vietnam	Underway (taken up by next users)
FTA	Forestry Research Strategy of Vietnam To 2020	FTA researchers were requested to advise on the development of the strategy and the relationship between the strategy and the revised Forest Law	Vietnam	Underway (taken up by next users)
FTA	Payment for Forest Environmental Services in Vietnam	REDD+ is referred to as one of the PFES activities in the new forest law. FTA researchers were invited to advise on the development of the PFES policy and its relationship with the revised Forest Law	Vietnam	Underway (taken up by next users)
FTA	Adoption of specific policy/procedures for Intact Forest Landscapes by the Forest Stewardship Council (FSC).	Research produced by FTA scientists featured prominently in FSC high-level political meetings (2 presentations delivered in 2 events), leading to the current decisions adopted by FSC with regard to the implementation of M65.		Underway (taken up by next users)
FTA	Local regulation on sustainable plantations in East Kalimantan, Indonesia (facilitated drafting process)	FTA scientists have been working since 2015 with the Plantation Service of East Kalimantan Province of Indonesia and other stakeholders to formulate the Provincial Regulation on Sustainable Plantation Development. It included the preparatory stage to develop the draft manuscript that would later be used as the basis for the Regulation. Additionally, FTA/CIFOR participated in the formulation and revision of the draft Regulation. The Provincial Regulation was agreed by the Government and the Parliament of East Kalimantan in December 2017. By August 2018, the Regulation was still under review by the Ministry of Home Affairs. The East Kalimantan Government has established a working group to formulate implementing regulations. The working group will work once the Ministry of Home Affairs approves the Regulation. The regulation aims to incorporate sustainability principles in the development of the plantation sector in the province. In 2017, there are 1.35 million hectares of plantations in East Kalimantan, of which 1.19 million hectares were oil palm. There are 130 oil palm plantations (by 2016)	East Kalimantan, Indonesia	Underway (taken up by next users)

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		and some 200,000 (by 2013) smallholders in East Kalimantan.		
FTA	2 Subnational policies on fire prevention in forests adopted by Riau Province Parliament and Bengkalis District Parliament to be part of their legislation program in 2017 and 2018		Indonesia	Enacted
FTA	Strengthening Indonesian Sustainable Palm Oil (ISPO) certification, with regulations on peatland intervention and restoration.			Underway (taken up by next users)
FTA	The Ministry of Forests and Fauna (MINFOF) formally recognized and adopted a system to monitor small-scale timber trade in Cameroon	Traditionally Cameroon forest policy focused on large scale forest concessions oriented to the western market. FTA scientists worked to get the small-scale, domestic production timber trade on MINFOF's agenda and then worked with small-scale timber traders and the MINFOF to set up, test and run the monitoring system. The small-scale timber trade accounts for approximately 2 million m3 of round wood or 50% of national production in Cameroon. While 13, 000 are employed by the formal industrial sector, about 45, 000 people are affected or employed in small scale trade both in rural and urban areas.	West Africa	Underway (taken up by next users)
FTA	Curriculum reforms at Kisangani University, Congo (UNIKIS) using two- year Masters courses on 'Law and governing access to natural resources in DRC' and 'Law and land governance in sub-Saharan Africa'	FTA developed plans to teach, test and refine a one-year Masters course 'History, Law and Land Governance' at other universities in sub-Saharan Africa prior to developing Distance Learning modules to be scaled-up using the RU-FORUM network hosted by Makerere University - drawing on the original materials developed (and soon to be handed over to a UNIKIS Professor) to teach at UNIKIS.	SSA	Underway (taken up by next users)
FTA	Working group established in Tanzania to implement road map for reforming Tanzanian policies on sustainability and upgrading of Artisanal and Small Scale Mining (ASM)	Funded as part of the DfID-ESRC ACIRT project. CIFOR partnered with IIED and Haki Madini in the organization of the National ASM Dialogue. This was organized into 4 themes. CIFOR was responsible for the theme on leveraging private investment in support of ASM upgrading. The Dialogue led to the formation of the Learning and Leadership Group (LLG), which is tasked with implementing the ASM Roadmap collectively developed during the Dialogue. The final Roadmap will be published within the next few weeks once all consultations are completed.	East Africa	Underway (taken up by next users)
FTA	Program for low-emission development in three districts in Papua, Indonesia (Involvement in local government planning)		Indonesia	Underway (taken up by next users)

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FTA	Four mitigation actions for local government in four districts of Indonesia: Purbalingga, Banjarnegara, Jayapura and Jayawijaya (Involvement in local government planning)		Indonesia	Underway (taken up by next users)
FTA	Implementation of ' Land-use Planning for Multiple Environmental Services (LUMENS)' methodology and software in Indonesia	The Land-use Planning for Multiple Environmental Services (LUMENS) methodology and software created by FTA/ICRAF was used to develop green-growth scenarios and compare them with 'business as usual'. LUMENS had previously been mandated by the Ministry for National Development Planning for use in all 34 provinces.	Indonesia	Underway (taken up by next users)
FTA	Informed major investment in recovery of tropical dry forest in the Cauca River valley, Antioquia, Colombia	In Colombia, field design set up across 26 hectares has been installed for testing the effectiveness of different restoration interventions to accomplish the recovery of tropical dry forest in the Cauca River valley, Antioquia.	Colombia	Underway (taken up by next users)
FTA	Strategy and action plan for forest landscape restoration in Sarawak, Malaysia	In the past, Sarawak has experienced high forest degradation, and most of the remaining natural forests are degraded or fragmented. Restoration is needed to maintain timber yields as an important source of revenue for the state government, and for improving livelihoods of forest-dependent indigenous peoples and local communities. Planning and conservation of forest management in Sarawak is somewhat fragmented, with different institutions involved in land use planning and implementation for different forest classes (protected areas, production forests and forest plantations). The strategy and action plan process brought stakeholders together to identify and streamline suitable interventions (restoration practices, policies and capacities) across forest classes to facilitate state-wide restoration of degraded forests and landscapes. FTA scientists designed and facilitated the strategy process and helped develop the strategy and action plan based on the results of the process.	Malaysia	Underway (taken up by next users)
FTA	Improved Regulation on Seeds of Forest Trees, Peru	FTA/ICRAF participated in the COSEFOR (Forest Seeds Committee) who redrafted the regulation. The revised regulation represents a positive first step towards 'formalization' of the (agro)forestry seed market in Peru, and therefore use of higher quality seed.	Peru	Underway (taken up by next users)

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Livestock	Bundling additional animal health services with vaccination in Garissa and Marsabit Counties of Kenya.	<p>Access to animal health services is one of the most important factors in improving livestock productivity. ILRI together with its partners piloted bundling of additional services by public and private sectors during vaccination campaigns, using funds from USAID and the CRP Livestock in Garissa and FAO in Marsabit. Contrary to popular opinion that pastoralists are unlikely to invest in animal health, almost 90% of those who brought their animals for vaccination bought an additional animal health product (e.g. for treating trypanosomosis, worms, tick infestation and various bacterial infections, including pneumonia). It is now routine for the two counties to use their normal government allocations for vaccination campaigns and to invite private sector actors to join them and provide additional services. This has saved the government money, increased business opportunities for the private sector, and provided quality services to pastoralists at affordable prices.</p>	Kenya	Enacted
Livestock	Investment in drought insurance program for pastoralists in 8 Counties by Government of Kenya.	<p>The Kenya Livestock Insurance Program (KLIP) provides drought insurance for pastoralists in the Arid and Semi-Arid Lands (ASAL) counties of Kenya. Implemented with technical assistance from ILRI, the program limits livestock losses through early compensation allowing pastoralists to protect their assets. Pay-outs are pegged to measurements of forage conditions made via satellite data on vegetation cover to derive an index of seasonal forage availability/scarcity. Once pay-outs are triggered, registered pastoralists in the affected areas are eligible for compensation. Through the KLIP, the Government of Kenya paid out KES494 million to 22,000 vulnerable pastoralist households in 2017 alone. These pay-outs ensured that farmers could buy their own food as well as fodder, veterinary drugs and water for their livestock during periods of drought. Covering eight counties in Kenya, the program has enabled the beneficiaries to keep their animals alive after the failure of the short and long rains in 2016 and 2017.</p>	Kenya	Enacted

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Livestock	Masterplan for livestock investment in Ethiopia, informing major investments which will benefit more than 2.3 million households	Livestock researchers and partners employed the Livestock Sector Investment and Policy Toolkit (initially developed by CIRAD) to develop herd and sector models and a baseline and foresight assessment of potential livestock development in Ethiopia. The models were used to develop a 5-year investment roadmap or livestock masterplan (LMP) to guide public and private investments in Ethiopia. The LMP objectives are reducing poverty, achieving food and nutritional security, contributing to economic growth, exports and foreign exchange earnings, and contributing to climate mitigation and adaptation. This master plan has been used by various actors including the World Bank (\$150 million) to shape their investments, which will ultimately impact more than 2.3 million of Ethiopia's 11 million livestock-keeping households. ILRI's contribution to livestock development in Ethiopia was recognized by an honorary award from the government in November 2017.	Ethiopia	Enacted
Livestock	Animal breeding and genetics online training course	Seven week course developed with Wageningen University and Research for students to understand the genetic and statistical principles that enable responsible animal breeding. The course was developed with financial support and input from the Koepon Foundation (http://www.koeponstichting.nl/) and the ILRI managed African Chicken Genetic Gains project.		Underway (taken up by next users)
Livestock	Training course for vaccinators in Infection and Treatment Method against East Coast Fever in cattle (ITM-ECF)	The CRP Livestock supported the creation of a unified vaccinators' training course in the Infection and Treatment Method (ITM) against ECF. The Tanzanian Livestock Training Agency (LITA) is now providing this service.	Tanzania	Underway (taken up by next users)
Maize	Conservation Agriculture (CA)-based sustainable intensification in the national extension package of Ethiopia.	In 2017, ongoing consultation with the Ministry of Agriculture and Natural Resources of Ethiopia (MoANRS) to include CA-based sustainable intensification in the national extension package. Includes lead role in facilitating MoANRS Stakeholder/Multidisciplinary policy meeting in August 2017. Based on previous evidence from CIMMYT and partners.	Ethiopia	Underway (taken up by next users)
PIM	Organizational merger forming Kenya Agriculture and Livestock Research Organization (KALRO), for improved capacity and performance.	ASTI data contributed to justify the need for the merger of several institutions to form the Kenya Agriculture and Livestock Research Organization (KALRO), for improved capacity and performance.	Kenya	Underway (taken up by next users)
PIM	Steps towards reform of the agricultural research system in Swaziland	ASTI data contributed to a policy that prioritized higher education training for agricultural researchers in Swaziland, and was used in presentations, posters, and meeting	Swaziland	Underway (taken up by next users)

CRP	DESCRIPTION	EXPLANATION	LOCATION	STATUS
		communications to advocate for a reform of the national agricultural research system.		
PIM	Alliance for a Green Revolution in Africa (AGRA) drew heavily from PIM rural transformation research for its 2017 Africa Agriculture Status Report	AGRA used the results of PIM's research on agricultural transformation to inform its strategy.	Sub-Saharan Africa	Underway (taken up by next users)
PIM	Investment priorities for the International Fund for Agricultural Development (IFAD).	IFAD used the Rural Investment and Policy Analysis (RIAPA) model to help inform investment priorities.	Egypt, Ethiopia, Ghana, Kenya, Malawi, Myanmar, Tanzania	Underway (taken up by next users)
PIM	Design of World Bank loans and government investments in Burkina Faso, Malawi, Mali, Nigeria, Togo, and Zambia.	Data from the IFPRI/PIM Statistics on Public Expenditures for Economic Development (SPEED) was used to inform World Bank loans and government investments in Burkina Faso, Malawi, Mali, Nigeria, Togo, and Zambia.	Burkina Faso, Malawi, Mali, Nigeria, Togo, Zambia	Enacted
PIM	Investment by Brazil and Ghana in the new phase of Agricultural Mechanization Services Enterprise Centers in Ghana	Investment by Brazil and Ghana in the new phase of Agricultural Mechanization Services Enterprise Centers in Ghana were based on recommendations from PIM's research on mechanization.	Ghana	Enacted
PIM	Design of the Nigeria Agricultural Sector Food Security and Nutrition Strategy (2016-2025)	Contributions from the Nigeria Strategy Support Program to the Agricultural Sector Food Security and Nutrition Strategy (2016-2025) were acknowledged by the Federal Ministry of Agriculture and Rural Development.	Nigeria	Underway (taken up by next users)
PIM	Design of the 2017 UK Department for International Development (DFID) Economic Development Strategy	PIM's research on structural transformation contributed to the 2017 DFID Economic Development Strategy.	Global	Underway (taken up by next users)
PIM	Design of European Union trade policy relating to agreements with African Regional Economic communities	PIM research was used extensively in an EU report evaluating different effects of alternative agreements to support trade negotiations between the European Union and two African Regional Economic Communities.	European Union, West Africa, Southern Africa	Underway (taken up by next users)
PIM	Data harmonisation and publication strategy for the Ag-Incentive Consortium (FAO, IFPRI, Inter-American Development Bank, OECD, World Bank data on agricultural distortions).	The Ag-incentive consortium (FAO, IFPRI, Inter-American Development Bank, OECD, World Bank) implemented the strategy to harmonize data on agricultural distortions and publish these data. IFPRI coordinated the effort to agree on indicators and measurement methods.	Global	Underway (taken up by next users)
PIM	Improved policy on farmer payments by a large milk cooperative in Kenya	PIM's research informed the decision of Kenya's Metkei Cooperative [about 6800 members] about the frequency of milk payments to dairy farmers	Kenya	Underway (taken up by next users)
PIM	Integration of social protection (Productive Safety Nets Program, PSNP) and Community-Based Health Insurance (CBHI) programs in Ethiopia	Research on Ethiopia's health insurance and safety net programs informed the decision by the government to closely integrate two programs (PNSP and CBHI).	Ethiopia	Underway (taken up by next users)

CRP	DESCRIPTION	EXPLANATION	LOCATION	STATUS
PIM	Use of smartphone pictures to test advisory service products by a private meteorological company in India	Based on PIM's research, BKC WeatherSys augmented their advisory application with a feature allowing farmers to take smartphone pictures to collect additional training data for picture-based advisory/insurance services.	India	Underway (taken up by next users)
PIM	Investment by a private insurer in India in developing and testing picture-based insurance products resulting in the offering of a new insurance product at a lower premium to farmers.	HDFC, an Indian insurance company, is investing staff time and resources towards developing and testing picture-based insurance products as part of the partnership with IFPRI.	India	Underway (taken up by next users)
PIM	Improved design of Egypt's 'Takaful and Karama' (Solidarity and Dignity) Social Protection program, including changes in eligibility criteria and messaging promoting women's empowerment	Egypt's Ministry of Social Solidarity (MOSS) used results of the impact evaluation of the 'Takaful and Karama' (Solidarity and Dignity) Social Protection program to inform changes in the eligibility criteria for the program and the decision to add messages promoting women's empowerment.	Egypt	Underway (taken up by next users)
PIM	Extension and improved design of the Mali government's 'Jigisemejiri' cash transfer (social protection) program including modifying frequency of cash transfers (important for recipients)	Discussions on extending the Mali government's 'Jigisemejiri' cash transfer (social protection) program and modifying the frequency of cash transfer distribution were informed by IFPRI's impact evaluation.	Mali	Underway (taken up by next users)
PIM	Common Monitoring and Evaluation Framework for Land in Africa approved by the African Land Policy Center for use by African countries to track progress towards the AU Declaration on Land	The African Land Policy Centre approved the Monitoring and Evaluation for Land in Africa (MELA) framework for dissemination in 12 African Countries.	Africa	Underway (taken up by next users)
PIM	The Collaborating for Resilience method for implementing a participatory approach to strengthen the governance of natural resources used by International Land Coalition's National Engagement Strategy (NES).	The Collaborating for Resilience approach was used by International Land Coalition's National Engagement Strategy (NES).	Global	Underway (taken up by next users)
PIM	Joint Village Land Use Planning methodology used by the government to clarify and affirm resource rights for pastoralist groups in Tanzania.	Joint Village Land Use Planning methodology was used by the government to increase tenure for pastoralists in Tanzania.	Tanzania	Enacted
PIM	Design of Gesellschaft für Internationale Zusammenarbeit (GIZ)-supported land restoration programs in Ethiopia and Madagascar.	GIZ used research results to include tenure into future land restoration programs with a first roll out in Ethiopia and Madagascar.	Ethiopia, Madagascar	Underway (taken up by next users)
PIM	Promotion of the Use of the Women's Empowerment in Agriculture (WEAI) by the African Union's Comprehensive Africa Agriculture Development Programme (CAADP) for countries	The African Union's Comprehensive Africa Agriculture Development Programme (CAADP) biennial reporting framework and guidelines in 2017 recommended the use of the Women's Empowerment in Agriculture (WEAI) developed by PIM/IFPRI.	Africa	Underway (taken up by next users)

CRP	DESCRIPTION	EXPLANATION	LOCATION	STATUS
	to track progress on indicator 4.4 on women participation in agriculture			
PIM	Kakira Sugar Limited, Uganda, implemented modified procedures designed to facilitate the registration of outgrower contracts for women.	Kakira Sugar Limited, Uganda, implemented modified procedures designed to facilitate the registration of outgrower contracts for women.	Uganda	Underway (taken up by next users)
PIM	Tropical Bank, Uganda, implemented modified procedures designed to facilitate the opening of bank accounts by women.	Tropical Bank, Uganda, implemented modified procedures designed to facilitate the opening of bank accounts by women following early results of a study to test interventions to enhance women's participation in sugar outgrowing schemes	Uganda	Underway (taken up by next users)
Rice	Regional seed policy agreement that speeds up the distribution of modern rice varieties across nine nations in South and Southeast Asia.	Siem Reap, Cambodia (9–10 June 2017) - Two more countries have joined a regional seed policy agreement that speeds up the distribution of modern rice varieties across nations in South and Southeast Asia. This agreement was formalized during a meeting of agriculture ministers and representatives of nine countries, titled “Seeds without Borders: Regional cooperation for seed-sharing,” on 9-10 June at Siem Reap	Southeast Asia	Enacted
Rice	Institutionalization of the Philippine Rice Information System (PRISM) within the Philippine Department of Agriculture.	The Philippine Rice Information System or PRISM is a rice monitoring system to enhance rice production in the Philippines, through accurate and timely information on Philippine rice production. Administrative Order signed by Department of Agriculture Secretary creating PRISM unit within PhilRice.	Philippines	Enacted
Rice	National investment informed by RICE research: Philippine Rice Road Map	Philippine's national rice research and sector development plan 2017-2022	Philippines	Underway (taken up by next users)
Rice	National investment informed by RICE research: the 'Small Farm Large Field' program in Vietnam is supported with RICE research on value chain analysis and improvement, market support, and best-management practices to enable farmers to produce better-quality rice	The “small farmers, large field” allows small landholding farmers to benefit from economies of scale by organizing themselves and integrating their small rice areas into one large field. This way, they can improve their bargaining power vis-à-vis input companies, such as fertilizer companies, as well as output companies such as traders and exporters. In Vietnam, farmers organize themselves into a “club” or a group and enter into a contract with rice exporters.	Vietnam and Myanmar	Underway (taken up by next users)

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Rice	National investment informed by RICE research: support for Greenhouse Gas Nationally Appropriate Mitigation Actions (NAMA).	NAMAs are voluntary actions targeting effective climate change mitigation in developing and transition countries, which will result in reduced greenhouse gas emissions across different sectors. They are supported and enabled by technology transfer, financing and capacity-building on the part of industrialized countries. NAMAs in Vietnam and Thailand are informed with RICE-developed climate-smart management practices in rice cultivation (such as straw residue management, alternate-wetting and drying water management) (GHG-NAMAs) in Thailand and Vietnam (In collaboration with CCAFS, which provided policy support). RICE contributes through the Sustainable Rice Platform in Thailand	Vietnam and Thailand	Underway (taken up by next users)
RTB	Biofortification included in the Nigerian Food and Nutrition Policy (2016–2020)	Biofortification has been included in the National food and nutrition policy document after participation in various relevant multi-sectoral meetings. The initiative was coordinated by the Ministry of Budget and National Planning	Nigeria	Underway (taken up by next users)
RTB	Biofortification included in the Agricultural sector food security and nutrition strategy (2016–2025) of the Federal Ministry of Agriculture and Rural Development (FMARD) of Nigeria	Biofortification was included in the Agricultural sector food security and nutrition strategy. The strategy is likely to attract funding, some of which will be set aside for activities on the promotion, production, and consumption of biofortified crops as prioritized in the strategy document.	Nigeria	Underway (taken up by next users)
RTB	Biofortification included in The Ministry of Agriculture, Livestock and Fisheries' Food Security plan, Tanzania	Biofortification was included in the Ministry of Agriculture, Livestock and Fisheries Food Security plan	Tanzania	Underway (taken up by next users)
RTB	Biofortification included in the Draft Nigerian Food and Nutrition Strategic Plan of Action	Biofortification was included in the draft Nigerian food and nutrition strategic plan of action to guide implementation	Nigeria	Underway (taken up by next users)
RTB	Biofortification included in The Tanzania Food and Nutrition Centre (TFNC) 5-year strategic plan	Biofortification was included in the Tanzania Food and Nutrition Center's strategic plan as an intervention to addressing micronutrient malnutrition. The strategy is likely to attract funding, some of which will be set aside for activities on the promotion, production, and consumption of biofortified crops as prioritized in the strategy document.	Tanzania	Underway (taken up by next users)
WLE	The United Nations Framework Convention on Climate Change (UNFCCC) Conference of the Parties formally recognized that increasing soil organic matter puts carbon back into the soil and hence can help mitigate climate change	WLE's contribution was to demonstrate potential for, and benefits of, carbon sequestration through publication in high impact journals and a major outreach campaign.	global	Enacted

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WLE	The Ethiopian Prime Minister approved a policy to make all water technologies tax exempt. This tax exemption aims to encourage the adoption of agricultural water technologies such as solar irrigation.	Director of Household irrigation at the Ethiopian Agricultural Transformation Agency, stated by email that IWMI's review of irrigation technology adoption and a 2012 review of the national pump supply chain (under WLE Phase I) influenced this change in policy. The ATA has requested WLE support to assess the impacts of this policy change on smallholder farmers.	Ethiopia	Enacted
WLE	Revised Ethiopian Soil Strategy which includes soil fertility management measures that will contribute to reducing soil degradation	WLE partners helped the Ethiopian Ministry of Agriculture and Rural Development develop a revised 'Ethiopian Soil Strategy', which is expected to be signed in 2018 by the minister. The contribution was made by WLE partners serving on a core advisory team.	Ethiopia	Enacted
WLE	Design of new investments by Government of India in groundwater irrigation(US\$400M) in irrigation-deprived districts	The WLE- and CCAFS-supported IWMI-TATA Program recommendations reported in previous WLE Annual Reports were used in 2017 by the Government of India to design new investments in irrigation development, including US\$400M for groundwater irrigation in irrigation-deprived districts (building on the IWMI-Tata Program (ITP)'s review and recommendations for the Prime Minister's national Krishi Sinchai Yojana irrigation program)	India	Underway (taken up by next users)
WLE	The Sri Lankan cabinet approval of the new National Sanitation Policy of Sri Lanka.	In a letter to the Director General of IWMI, the Ministry formally acknowledged IWMI's contribution to the policy on septage management and reuse. IWMI has been asked to support the policy implementation process.	Sri Lanka	Enacted
PIM	Restructuring of the agricultural public sector in Nepal	A study of Nepal's agricultural sector developed a set of recommendations for restructuring of the public sector to meet the requirements of the new constitution and provide effective services to the sector. This included recommendations on food technology and quality control and the structure of agricultural training centers.	Nepal	Underway (taken up by next users)
WLE	Design of new investments by Government of India in grid connected solar pumps for irrigation, with surplus power buy-back arrangements (US\$7,000M)	The WLE- and CCAFS-supported IWMI-TATA Program recommendations reported in previous WLE Annual Reports were used in 2017 by the Government of India to design new investments in irrigation development. In the 2018 Budget Presentation to Parliament, the Indian Finance Minister pledged US\$7B to install grid-connected solar pumps with surplus power buy-back arrangements (building on the Dhundi Solar Project model)	India	Underway (taken up by next users)