



INITIATIVE ON
Aquatic Foods



Plan of results and budget 2024

CGIAR Initiative on Aquatic Foods



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Purpose

The Plan of Results and Budget (PORB) is a planning tool that accompanies CGIAR's Initiatives and Impact Platform Budgets and outlines the planned annual results against the estimated available resources. As a planning tool, it supports monitoring and reporting, allowing Initiatives and Platforms to detail their results, as listed in their Theory of Change, against an annual timeline. These results are further broken down by Work Packages and CGIAR Implementing Center and are linked to approved annual budgets, providing an overview of available resources and the defined timeline to achieve the planned results in a given year.

This document provides the 2024 PORB for the CGIAR Initiative on Aquatic Foods as part of the planning process that took place in September to October 2023. This 2024 PORB will be subject to further changes to consider the Reflect recommendations following the integrated *Plan -> Report -> Reflect -> Replan* process, including budget changes, implementation timelines, and planned results.

Aquatic Foods | Consolidated

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Total Initiative							
Crosscutting across Work Packages	x	x	x	x	17%	4,972,527	
Work Package 1 AquaData	x	x	x	x	10%		
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development	x	x	x	x	13%		
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes	x	x	x	x	19%		
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships	x	x	x	x	40%		
Innovation Packages & Scaling Readiness (IPSR)					0%		
TOTAL	x	x	x	x	100%		
Crosscutting across Work Packages							
MELIA & Other Cross-cutting Studies	x	x	x	x	48%	848,631	x
Climate change and environment	x	x	x	x	24%		x
Gender and inclusivity	x	x	x	x	21%		x
Nutrition and public health	x	x	x	x	7%		x
EOIO- Aquatic food system labs in Solomon Islands and Zambia increase national innovation systems' ability to identify, evaluate and scale socio-technical innovations					0%		
EOIO- At least 1of tilapia and carp strains demonstrate increased productivity (+30%) and environmental performance (-25% GHG emission reduction) in 1 African & 2 Asian countries					0%		
EOIO- Improved food, livelihood, water and environmental performance in multifunctional land and water systems in Myanmar, Cambodia, Ghana and Zambia					0%		

WP/Results	2024					2025	
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
EIOI- Improved management and co-production of sustainable development pathways secure rights and livelihood benefits for 50,000 small-scale actors in aquatic food systems in Asia-Pacific and bring more nutritious diets to 300,000.					0%	848,631	
EIOI- Scaling partners and stakeholders in 2 countries use improved knowledge systems and data to inform at least five evidence-based investments supporting aquatic food systems transformation.					0%		
WP SubTotal	x	x	x	x	100%		
Work Package 1 AquaData							
O1.1. Partners, governments and stakeholders in 2 countries adopt new or improved knowledge about data ecosystems and/or gathering tools and analysis methods	x	x	x	x	0%	505,680	x
O1.1.1. Stakeholders in 2 countries co-produce strategic actions and allocate funding to meet data needs and overcome gaps in evidence	x	x	x	x	0%		x
OP1.1.1. Synthesized information, education and communication materials (IEC) on data needs and gaps in AFS that identify priorities and principles for design and implementation of data ecosystems available in 4 countries	x	x	x	x	8%		x
OP1.1.2. Socio-economic and environmental characterization of aquatic food systems developed and implemented in 5 different countries and/or key geographies	x	x	x	x	11%		x
O1.1.2. Methodological innovations and tools, including digital solutions, available for uptake by partners and stakeholders in 4 countries, to capture and analyze data in aquatic food systems	x	x	x	x	0%		

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP1.1.2.1. A standard/protocol to guide data generation for AFS defined and applied at least to Work Packages 2-4	x	x	x	x	4%	505,680	x
O1.2. At least 1 public-private data and knowledge sharing platform available and integrated with other existing resources to share data and tools related to aquatic foods	x	x	x	x	0%		x
O1.2.1. Open-access integrated aquatic food systems databases, knowledge and profiles produced in at least 1 key geography	x	x	x	x	0%		x
OP1.2.1.1 Synthesized IEC materials and review of real-time digital tools, data systems and artificial intelligence in tracking AFS performance	x	x	x	x	3%		x
OP1.2.1.2. Adoption and impact studies co-defined and implemented to fill data gaps and to measure the performance of innovations related to AFS and applied across Work Packages 2 and 4	x	x	x	x	4%		x
OP1.2.2.1. Integrated, publicly available aquatic food systems databases, assembled from existing socioeconomic, climate and environmental datasets					33%		x
O1.2.2. At least 3 national profiles on the status of aquatic food systems codeveloped and coproduced with partners and stakeholders					0%		
O1.3. At least 1 policy or investment supporting the transformation of aquatic food systems are implemented at the national and/or local levels by respectively public and/or private sector, and/or local community	x	x	x	x	0%		x
O1.3.1. Governments, donors, private sector and local communities in 2 countries use data and knowledge to implement evidence-based decisions and changes	x	x	x	x	0%		x

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP1.3.1.1. A testing lab is developed to evaluate artificial intelligence data, tools, approaches, and partnerships to support policy development and implementation for AqFS transformation					0%	505,680	
OP1.3.1.2. New knowledge and case studies of the impact of digital decision support on climate resilience, socioeconomic benefits and environmental sustainability in aquatic ecosystems produced in 2 case studies	x	x	x	x	4%		x
O1.3.2. Partners and stakeholders co-develop near-real-time data system to enable a timely and transparent decision-making process in 2 countries	x	x	x	x	0%		x
OP1.3.2.1. At least 2 data use cases co-developed by researchers, public and private sectors, and local communities to affect policy, investments and decision-making at local, sub-national and national levels	x	x	x	x	3%		x
OP1.3.2.2. Partnerships, capacity building, and dissemination approaches are developed and implemented in 2 countries to increase demand and uptake of FAIR and inclusive AFS data for decision-making.	x	x	x	x	29%		x
WP SubTotal	x	x	x	x	100%		

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development							
O2.1.1. Community access rights and management systems supported for improved and equitable governance of aquatic resources	x	x	x	x	0%	646,007	x
O2.1. Inclusive governance and better management realizing secure rights and livelihood benefits for 50,000 small-scale actors in Asia Pacific Island food systems and in the Bay of Bengal	x	x	x	x	0%		x
O2.1.2. Livelihoods of coastal communities made more resilient from community-led management and development	x	x	x	x	0%		x
OP2.1.1.1. Communities collaborate and share knowledge and experiences for management and locally led development	x	x	x	x	24%		x
OP2.1.2.1. National information, education and communication (IEC) materials on community-led management and development that enable uptake at greater scale and strengthens collective action.	x	x	x	x	14%		x
O2.1.3. National programs operate more effective MELIA systems in support of traditional access rights and management systems	x	x	x	x	0%		x
OP2.1.3.1. Harmonized national databases for monitoring reach and uptake of sustainable practices as well as resource utilization/status	x	x	x	x	19%		x
O2.2.1. National policies and programs better aligned to support autonomous efforts to govern aquatic food systems in ways that are advantageous to its small-scale actors	x	x	x	x	0%		x

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
O2.2. Co-production of sustainable development pathways through novel partnerships bringing healthier and more nutritious diets through accessible aquatic foods for 300,000 women, men and children	x	x	x	x	0%	646,007	x
O2.2.2. Innovative research and partnerships that create spaces for equitable dialogue, identification of new impact pathways as well as redressing and challenging power imbalances leading to strong upward and downward accountability mechanisms	x	x	x	x	0%		x
OP2.2.1.1. Sustainable development pathways shaped from forums, with scientific outputs informing policymakers and academia. Including tribal or local language products for small-scale aquatic food system actors supporting their place in development planning.	x	x	x	x	25%		x
O2.3.1 New research-for-development connections (spanning private sector, research, eNGO, human rights-groups, government sectors) enabling coordination, information and awareness for traditional, Indigenous and small-scale aquatic food system actors	x	x	x	x	0%		x
O2.3. Novel Partners with diverse agendas adopt priorities of small-scale food system actors with new or improved knowledge about how meaningfully engage through this approach	x	x	x	x	0%		x
OP2.3.1.1. New knowledge on how tensions between local demand and blue economy aspirations can be reconciled, synthesizing the learning of how indigenous, traditional and small-scale producers can thrive in the blue economy	x	x	x	x	13%		x

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP2.3.1.2. Communication materials (e.g., blogs, briefs, interactive media) and activities (e.g., events, panels) that elevate a voice of small-scale actors in international change agendas.	x	x	x	x	4%	646,007	x
WP SubTotal	x	x	x	x	100%		
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes							
O3.1.1. Smallholder farmers' livelihoods are sustained and incomes are increased through integrated production systems.	x	x	x	x	0%	961,658	x
OP3.1.1.1. Rice and fish decision support tool deployed by at least 2 partners/ organizations	x	x	x	x	16%		x
OP3.1.1.2. Policy support for design and implementation principles of rice and fish decision support tool	x	x	x	x	5%		x
O3.1.2. Water and land management are integrated to, lessen environmental impacts, enhance agroecosystem functions and restore capture-fisheries at basin level and improve resilience of multifunctional production systems to critical drivers of change	x	x	x	x	0%		x
OP3.1.2.1. Scientific knowledge documenting the upscaling of the rice and fish decision support tool			x	x	15%		x
OP3.1.2.2. Vibrant partnerships with scaling partners using learning on rice and fish integrated production systems to adapt their programs	x	x	x	x	10%		
O3.2.1. Food security and nutrition are improved for local households through increased micronutrient-rich fish consumption, especially for women and young children	x	x	x	x	0%		x
OP3.2.1.1. Policy support for the design and implementation principles of aquatic food production in small dams.			x	x	2%		

WP/Results	2024					2025	
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP3.2.1.2. Aquatic food production in small dams piloted in at least 4 sites.	x	x	x	x	7%	961,658	
OP3.2.1.3. Vibrant multi-stakeholder platforms at the national and sub-national levels mobilizing evidence to include aquatic food production and fish-friendly irrigation principles into project design and policies.				x	1%		
OP3.2.1.4. Tertiary education module on fish-friendly irrigation and integrated production systems developed and delivered in water planners and engineers' degrees.					0%		
OP3.2.1.5. Scientific knowledge documenting documenting the achievements of fish-friendly irrigation programs or pilots		x	x	x	7%		
OP3.2.1.6. Vibrant partnerships on aquatic food production in small dams with scaling partners using learning to adapt their programs.	x	x	x	x	5%		x
O3.3.1. Enhanced capacity of local institutions and multiple stakeholders to improve rights and access to fishery and multifunctional systems for smallholders, as well as landless	x	x	x	x	0%		x
OP3.3.1.1 Water availability studies and suitability mapping for integrated production systems and multifunctional land and water systems.	x	x	x	x	18%		x
OP3.3.1.2 Built capacity of inter-sectoral and multi-stakeholder actors for governing water and land foodscapes	x	x	x	x	13%		x
OP3.3.1.3. Institutional, GESI and political economy studies identifying leveraging drivers for water and land foodscapes governance	x	x			3%		
WP SubTotal	x	x	x	x	100%		

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships							
O4.1.1. More efficient methods and/or tools have been incorporated into fish breeding programs to speed improvements in growth and other traits.	x	x	x	x	0%	2,010,551	x
OP4.1.1.1. Faster growing tilapia strains released to farmers from 2022	x	x	x	x	36%		x
O4.1. Improved fish strains with superior growth performance and additional resilience traits that meet user needs are available for at least one major aquaculture species for use in Nigeria, Bangladesh and India.	x	x	x	x	0%		x
O4.1.2. Measurable progress in the improvement of traits in three carp core genetic improvement programs	x	x	x	x	0%		x
OP4.1.2.1. Faster growing (+30%) rohu carp strains released to farmers from 2022 and faster growing silver carp piloted in 2024-25.	x	x	x	x	13%		x
O4.1.3. User trait preferences have been assessed, prioritized and incorporated where feasible, and genetic improvement programs are selecting traits of value to users	x	x	x	x	0%		x
OP4.1.3.1. Gender responsive tilapia and carp customer and product profiles that consider practical trade-offs including environmental and other tradeoffs	x	x	x	x	35%		x
OP4.1.3.2. Decision support tools for prioritization of traits	x	x	x	x	15%		x
O4.2.1. Improved strains with faster growth have been delivered to key dissemination nodes and are available to fish seed suppliers and farmers in target countries.	x	x	x	x	0%		x

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
O4.2. Economically sustainable seed supply systems in the target countries are delivering improved fish strains with superior growth performance to small-scale farmers in Nigeria and Bangladesh	x	x	x	x	0%	2,010,551	x
OP4.2.1.1. Assessment of the effectiveness (adoption and profitability to supplier and farmer) of the tested fish seed supply systems.					0%		
O4.3. Improved fish strains with superior performance in farming systems increase productivity and profitability of farmers, with reduced environmental impact in Nigeria, Bangladesh, India	x	x	x	x	0%		x
O4.3.1. Shortcomings in performance (yield gap) have been identified and solutions to these formulated enabling pathways to optimizing benefits for users	x	x	x	x	0%		x
O4.3.2. Baseline assessments of key parameters have been completed enabling the future effects of adoption to be assessed.					0%		x
OP4.3.1.1 Benchmarking data on productivity, profitability, resource use efficiency and GHG emissions: technical and social effects.	x	x	x	x	2%		x
OP4.3.1.2 Information on actual health feed and husbandry practices affecting fish performance					0%		
OP4.3.2.1 Impact assessments of increased access to improved strains.					0%		
WP SubTotal					100%		

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Innovation Packages & Scaling Readiness (IPSR)							
Number of innovations to be profiled in 2024 (innovation development - output level)					0%		
Number of innovation packages to be designed/ assessed 2024 (innovation use - outcome level)					0%		
WP SubTotal					0%		

Aquatic Foods | International Center for Living Aquatic Resources Management

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Total Center							
Crosscutting across Work Packages	x	x	x	x	21%	3,876,527	x
Work Package 1 AquaData	x	x	x	x	12%		x
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development	x	x	x	x	17%		x
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes					0%		
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships	x	x	x	x	50%		x
Innovation packages & Scaling Readiness					0%		
TOTAL	x	x	x	x	100%		
Crosscutting across Work Packages							
MELIA & Other Cross-cutting Studies	x	x	x	x	64%	810,288	x
Climate change and environment	x	x	x	x	14%		x
Gender and inclusivity	x	x	x	x	8%		x
Nutrition and public health	x	x	x	x	14%		x
EOIO- Aquatic food system labs in Solomon Islands and Zambia increase national innovation systems' ability to identify, evaluate and scale socio-technical innovations							
EOIO- At least 1of tilapia and carp strains demonstrate increased productivity (+30%) and environmental performance (-25% GHG emission reduction) in 1 African & 2 Asian countries							
EOIO- Improved food, livelihood, water and environmental performance in multifunctional land and water systems in Myanmar, Cambodia, Ghana and Zambia							

WP/Results	2024						2025	
	Implementation Timeline				Budget		Q1	
	Q1	Q2	Q3	Q4	(%)	\$		
EIOI- Improved management and co-production of sustainable development pathways secure rights and livelihood benefits for 50,000 small-scale actors in aquatic food systems in Asia-Pacific and bring more nutritious diets to 300,000.						810,288		
EIOI- Scaling partners and stakeholders in 2 countries use improved knowledge systems and data to inform at least five evidence-based investments supporting aquatic food systems transformation.								
WP SubTotal	x	x	x	x	100%		x	
Work Package 1 AquaData								
O11. Partners, governments and stakeholders in 2 countries adopt new or improved knowledge about data ecosystems and/or gathering tools and analysis methods						465,680		
O11.1. Stakeholders in 2 countries co-produce strategic actions and allocate funding to meet data needs and overcome gaps in evidence								
OP1.1.1. Synthesized information, education and communication materials (IEC) on data needs and gaps in AFS that identify priorities and principles for design and implementation of data ecosystems available in 4 countries	x	x	x	x	16%			x
OP1.1.2. Socio-economic and environmental characterization of aquatic food systems developed and implemented in 5 different countries and/or key geographies	x	x	x	x	22%			x
O11.2. Methodological innovations and tools, including digital solutions, available for uptake by partners and stakeholders in 4 countries, to capture and analyze data in aquatic food systems								

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP1.1.2.1. A standard/protocol to guide data generation for AFS defined and applied at least to Work Packages 2-4	x	x	x	x	9%	465,680	x
O1.2. At least 1 public-private data and knowledge sharing platform available and integrated with other existing resources to share data and tools related to aquatic foods							
O1.2.1. Open-access integrated aquatic food systems databases, knowledge and profiles produced in at least 1 key geography							
OP1.2.1.1 Synthesized IEC materials and review of real-time digital tools, data systems and artificial intelligence in tracking AFS performance	x	x	x	x	7%		x
OP1.2.1.2. Adoption and impact studies co-defined and implemented to fill data gaps and to measure the performance of innovations related to AFS and applied across Work Packages 2 and 4	x	x	x	x	7%		x
OP1.2.2.1. Integrated, publicly available aquatic food systems databases, assembled from existing socioeconomic, climate and environmental datasets	x	x	x	x	16%		x
O1.2.2. At least 3 national profiles on the status of aquatic food systems codeveloped and coproduced with partners and stakeholders							
O1.3. At least 1 policy or investment supporting the transformation of aquatic food systems are implemented at the national and/or local levels by respectively public and/or private sector, and/or local community							
O1.3.1. Governments, donors, private sector and local communities in 2 countries use data and knowledge to implement evidence-based decisions and changes							

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP1.3.1.1. A testing lab is developed to evaluate artificial intelligence data, tools, approaches, and partnerships to support policy development and implementation for AqFS transformation						465,680	
OP1.3.1.2. New knowledge and case studies of the impact of digital decision support on climate resilience, socioeconomic benefits and environmental sustainability in aquatic ecosystems produced in 2 case studies	x	x	x	x	9%		x
O1.3.2. Partners and stakeholders co-develop near-real-time data system to enable a timely and transparent decision-making process in 2 countries							
OP1.3.2.1. At least 2 data use cases co-developed by researchers, public and private sectors, and local communities to affect policy, investments and decision-making at local, sub-national and national levels	x	x	x	x	7%		x
OP1.3.2.2. Partnerships, capacity building, and dissemination approaches are developed and implemented in 2 countries to increase demand and uptake of FAIR and inclusive AFS data for decision-making.	x	x	x	x	8%		x
WP SubTotal	x	x	x	x	100%		
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development							
O2.1.1. Community access rights and management systems supported for improved and equitable governance of aquatic resources						646,007	
O2.1. Inclusive governance and better management realizing secure rights and livelihood benefits for 50,000 small-scale actors in Asia Pacific Island food systems and in the Bay of Bengal							

WP/Results	2024					2025	
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
O2.1.2. Livelihoods of coastal communities made more resilient from community-led management and development							
OP2.1.1.1. Communities collaborate and share knowledge and experiences for management and locally led development	x	x	x	x	24%		x
OP2.1.2.1. National information, education and communication (IEC) materials on community-led management and development that enable uptake at greater scale and strengthens collective action.	x	x	x	x	14%		x
O2.1.3. National programs operate more effective MELIA systems in support of traditional access rights and management systems							
OP2.1.3.1. Harmonized national databases for monitoring reach and uptake of sustainable practices as well as resource utilization/status	x	x	x	x	19%		x
O2.2.1. National policies and programs better aligned to support autonomous efforts to govern aquatic food systems in ways that are advantageous to its small-scale actors							
O2.2. Co-production of sustainable development pathways through novel partnerships bringing healthier and more nutritious diets through accessible aquatic foods for 300,000 women, men and children							
O2.2.2. Innovative research and partnerships that create spaces for equitable dialogue, identification of new impact pathways as well as redressing and challenging power imbalances leading to strong upward and downward accountability mechanisms							
						646,007	

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP2.2.1.1. Sustainable development pathways shaped from forums, with scientific outputs informing policymakers and academia. Including tribal or local language products for small-scale aquatic food system actors supporting their place in development planning.	x	x	x	x	25%	646,007	x
O2.3.1 New research-for-development connections (spanning private sector, research, eNGO, human rights-groups, government sectors) enabling coordination, information and awareness for traditional, Indigenous and small-scale aquatic food system actors							
O2.3. Novel Partners with diverse agendas adopt priorities of small-scale food system actors with new or improved knowledge about how meaningfully engage through this approach							
OP2.3.1.1. New knowledge on how tensions between local demand and blue economy aspirations can be reconciled, synthesizing the learning of how indigenous, traditional and small-scale producers can thrive in the blue economy	x	x	x	x	13%		x
OP2.3.1.2. Communication materials (e.g., blogs, briefs, interactive media) and activities (e.g., events, panels) that elevate a voice of small-scale actors in international change agendas.	x	x	x	x	4%		x
WP SubTotal	x	x	x	x	100%		x

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships							
O4.1.1. More efficient methods and/or tools have been incorporated into fish breeding programs to speed improvements in growth and other traits.							
OP4.1.1.1. Faster growing tilapia strains released to farmers from 2022	x	x	x	x	71%		x
O4.1. Improved fish strains with superior growth performance and additional resilience traits that meet user needs are available for at least one major aquaculture species for use in Nigeria, Bangladesh and India.							
O4.1.2. Measurable progress in the improvement of traits in three carp core genetic improvement programs							
OP4.1.2.1. Faster growing (+30%) rohu carp strains released to farmers from 2022 and faster growing silver carp piloted in 2024-25.	x	x	x	x	25%	1,954,552	x
O4.1.3. User trait preferences have been assessed, prioritized and incorporated where feasible, and genetic improvement programs are selecting traits of value to users							
OP4.1.3.1. Gender responsive tilapia and carp customer and product profiles that consider practical trade-offs including environmental and other tradeoffs							
OP4.1.3.2. Decision support tools for prioritization of traits							
O4.2.1. Improved strains with faster growth have been delivered to key dissemination nodes and are available to fish seed suppliers and farmers in target countries.							

WP/Results	2024						2025	
	Implementation Timeline				Budget		Q1	
	Q1	Q2	Q3	Q4	(%)	\$		
O4.2. Economically sustainable seed supply systems in the target countries are delivering improved fish strains with superior growth performance to small-scale farmers in Nigeria and Bangladesh						1,954,552		
OP4.2.1.1. Assessment of the effectiveness (adoption and profitability to supplier and farmer) of the tested fish seed supply systems.								
O4.3. Improved fish strains with superior performance in farming systems increase productivity and profitability of farmers, with reduced environmental impact in Nigeria, Bangladesh, India								
O4.3.1. Shortcomings in performance (yield gap) have been identified and solutions to these formulated enabling pathways to optimizing benefits for users								
O4.3.2. Baseline assessments of key parameters have been completed enabling the future effects of adoption to be assessed.								
OP4.3.1.1 Benchmarking data on productivity, profitability, resource use efficiency and GHG emissions: technical and social effects.	x	x	x	x	4%			x
OP4.3.1.2 Information on actual health feed and husbandry practices affecting fish performance								
OP4.3.2.1 Impact assessments of increased access to improved strains.								
WP SubTotal	x	x	x	x	100%			x

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WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Total Center							
Crosscutting across Work Packages					-	40,000	
Work Package 1 AquaData	x	x	x	x	100%		
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development					0%		
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes					0%		
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships					0%		
Innovation packages & Scaling Readiness					0%		
TOTAL	x	x	x	x	100%		
Work Package 1 AquaData							
O1.1. Partners, governments and stakeholders in 2 countries adopt new or improved knowledge about data ecosystems and/or gathering tools and analysis methods						40,000	
O1.1.1. Stakeholders in 2 countries co-produce strategic actions and allocate funding to meet data needs and overcome gaps in evidence							
OP1.1.1. Synthesized information, education and communication materials (IEC) on data needs and gaps in AFS that identify priorities and principles for design and implementation of data ecosystems available in 4 countries							
OP1.1.1.2. Socio-economic and environmental characterization of aquatic food systems developed and implemented in 5 different countries and/or key geographies							

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
O1.1.2. Methodological innovations and tools, including digital solutions, available for uptake by partners and stakeholders in 4 countries, to capture and analyze data in aquatic food systems						40,000	
OP1.1.2.1. A standard/protocol to guide data generation for AFS defined and applied at least to Work Packages 2-4							
O1.2. At least 1 public-private data and knowledge sharing platform available and integrated with other existing resources to share data and tools related to aquatic foods							
O1.2.1. Open-access integrated aquatic food systems databases, knowledge and profiles produced in at least 1 key geography							
OP1.2.1.1 Synthesized IEC materials and review of real-time digital tools, data systems and artificial intelligence in tracking AFS performance							
OP1.2.1.2. Adoption and impact studies co-defined and implemented to fill data gaps and to measure the performance of innovations related to AFS and applied across Work Packages 2 and 4							
OP1.2.2.1. Integrated, publicly available aquatic food systems databases, assembled from existing socioeconomic, climate and environmental datasets	x	x	x	x	50%		
O1.2.2. At least 3 national profiles on the status of aquatic food systems codeveloped and coproduced with partners and stakeholders							

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
O1.3. At least 1 policy or investment supporting the transformation of aquatic food systems are implemented at the national and/or local levels by respectively public and/or private sector, and/or local community							
O1.3.1. Governments, donors, private sector and local communities in 2 countries use data and knowledge to implement evidence-based decisions and changes							
OP1.3.1.1. A testing lab is developed to evaluate artificial intelligence data, tools, approaches, and partnerships to support policy development and implementation for AqFS transformation							
OP1.3.1.2. New knowledge and case studies of the impact of digital decision support on climate resilience, socioeconomic benefits and environmental sustainability in aquatic ecosystems produced in 2 case studies						40,000	
O1.3.2. Partners and stakeholders co-develop near-real-time data system to enable a timely and transparent decision-making process in 2 countries							
OP1.3.2.1. At least 2 data use cases co-developed by researchers, public and private sectors, and local communities to affect policy, investments and decision-making at local, sub-national and national levels							
OP1.3.2.2. Partnerships, capacity building, and dissemination approaches are developed and implemented in 2 countries to increase demand and uptake of FAIR and inclusive AFS data for decision-making.	x	x	x	x	50%		
WP SubTotal	x	x	x	x	100%		

Aquatic Foods | International Institute of Tropical Agriculture

WP/Results	2024						2025	
	Implementation Timeline				Budget		Q1	
	Q1	Q2	Q3	Q4	(%)	\$		
Total Center								
Crosscutting across Work Packages					0%	55,999		
Work Package 1 AquaData					0%			
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development					0%			
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes					0%			
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships	x	x	x	x	100%			x
Innovation packages & Scaling Readiness					0%			
TOTAL	x	x	x	x	100%			x
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships								
O4.1.1. More efficient methods and/or tools have been incorporated into fish breeding programs to speed improvements in growth and other traits.						55,999		
OP4.1.1.1. Faster growing tilapia strains released to farmers from 2022								
O4.1. Improved fish strains with superior growth performance and additional resilience traits that meet user needs are available for at least one major aquaculture species for use in Nigeria, Bangladesh and India.								
O4.1.2. Measurable progress in the improvement of traits in three carp core genetic improvement programs								
OP4.1.2.1. Faster growing (+30%) rohu carp strains released to farmers from 2022 and faster growing silver carp piloted in 2024-25.								

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
O4.1.3. User trait preferences have been assessed, prioritized and incorporated where feasible, and genetic improvement programs are selecting traits of value to users							
OP4.1.3.1. Gender responsive tilapia and carp customer and product profiles that consider practical trade-offs including environmental and other tradeoffs	x	x	x	x	70%		x
OP4.1.3.2. Decision support tools for prioritization of traits	x	x	x	x	30%		x
O4.2.1. Improved strains with faster growth have been delivered to key dissemination nodes and are available to fish seed suppliers and farmers in target countries.							
O4.2. Economically sustainable seed supply systems in the target countries are delivering improved fish strains with superior growth performance to small-scale farmers in Nigeria and Bangladesh						55,999	
OP4.2.1.1. Assessment of the effectiveness (adoption and profitability to supplier and farmer) of the tested fish seed supply systems.							
O4.3. Improved fish strains with superior performance in farming systems increase productivity and profitability of farmers, with reduced environmental impact in Nigeria, Bangladesh, India							
O4.3.1. Shortcomings in performance (yield gap) have been identified and solutions to these formulated enabling pathways to optimizing benefits for users							
O4.3.2. Baseline assessments of key parameters have been completed enabling the future effects of adoption to be assessed.							

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP4.3.1.1 Benchmarking data on productivity, profitability, resource use efficiency and GHG emissions: technical and social effects.						55,999	
OP4.3.1.2 Information on actual health feed and husbandry practices affecting fish performance							
OP4.3.2.1 Impact assessments of increased access to improved strains.							
WP SubTotal	x	x	x	x	100%		x

Aquatic Foods | International Water Management Institute

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
Total Center							
Crosscutting across Work Packages	x	x	x	x	4%	1,000,001	
Work Package 1 AquaData					0%		
Work Package 2 Aqua+Partners: partnering to realize the benefits of aquatic foods in sustainable development					0%		
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes	x	x	x	x	96%		
Work Package 4 AquaGenetics: Delivering gains from genetic improvements in farmed fish through public-private partnerships					0%		
Innovation packages & Scaling Readiness					0%		
TOTAL	x	x	x	x	100%		
Crosscutting across Work Packages							
MELIA & Other Cross-cutting Studies	x	x	x	x	33%	38,343	
Climate change and environment	x	x	x	x	33%		
Gender and inclusivity	x	x	x	x	33%		
Nutrition and public health							
EOIO- Aquatic food system labs in Solomon Islands and Zambia increase national innovation systems' ability to identify, evaluate and scale socio-technical innovations							
EOIO- At least 1of tilapia and carp strains demonstrate increased productivity (+30%) and environmental performance (-25% GHG emission reduction) in 1 African & 2 Asian countries							
EOIO- Improved food, livelihood, water and environmental performance in multifunctional land and water systems in Myanmar, Cambodia, Ghana and Zambia							

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
EIOI- Improved management and co-production of sustainable development pathways secure rights and livelihood benefits for 50,000 small-scale actors in aquatic food systems in Asia-Pacific and bring more nutritious diets to 300,000.						38,343	
EIOI- Scaling partners and stakeholders in 2 countries use improved knowledge systems and data to inform at least five evidence-based investments supporting aquatic food systems transformation.							
WP SubTotal	x	x	x	x	100%		
Work Package 3 AquaPlans: Integrated Aquatic Food Systems in Water and Land Foodscapes							
O3.1.1. Smallholder farmers' livelihoods are sustained and incomes are increased through integrated production systems.						961,658	
OP3.1.1.1. Rice and fish decision support tool deployed by at least 2 partners/ organizations	x	x	x	x	16%		
OP3.1.1.2. Policy support for design and implementation principles of rice and fish decision support tool	x	x	x	x	5%		
O3.1.2. Water and land management are integrated to, lessen environmental impacts, enhance agroecosystem functions and restore capture-fisheries at basin level and improve resilience of multifunctional production systems to critical drivers of change							
OP3.1.2.1. Scientific knowledge documenting the upscaling of the rice and fish decision support tool			x	x	15%		
OP3.1.2.2. Vibrant partnerships with scaling partners using learning on rice and fish integrated production systems to adapt their programs	x	x	x	x	10%		

WP/Results	2024					Budget	2025	
	Implementation Timeline				Q4			Budget
	Q1	Q2	Q3	(%)				
O3.2.1. Food security and nutrition are improved for local households through increased micronutrient-rich fish consumption, especially for women and young children								
OP3.2.1.1. Policy support for the design and implementation principles of aquatic food production in small dams.			x	x	2%			
OP3.2.1.2. Aquatic food production in small dams piloted in at least 4 sites.	x	x	x	x	7%			
OP3.2.1.3. Vibrant multi-stakeholder platforms at the national and sub-national levels mobilizing evidence to include aquatic food production and fish-friendly irrigation principles into project design and policies.				x	1%			
OP3.2.1.4. Tertiary education module on fish-friendly irrigation and integrated production systems developed and delivered in water planners and engineers' degrees.						961,658		
OP3.2.1.5. Scientific knowledge documenting the achievements of fish-friendly irrigation programs or pilots		x	x	x	7%			
OP3.2.1.6. Vibrant partnerships on aquatic food production in small dams with scaling partners using learning to adapt their programs.	x	x	x	x	3%			
O3.3.1. Enhanced capacity of local institutions and multiple stakeholders to improve rights and access to fishery and multifunctional systems for smallholders, as well as landless								
OP3.3.1.1 Water availability studies and suitability mapping for integrated production systems and multifunctional land and water systems.	x	x	x	x	18%			

WP/Results	2024						2025
	Implementation Timeline				Budget		Q1
	Q1	Q2	Q3	Q4	(%)	\$	
OP3.3.1.2 Built capacity of inter-sectoral and multi-stakeholder actors for governing water and land foodscapes	x	x	x	x	13%	961,658	
OP3.3.1.3. Institutional, GESI and political economy studies identifying leveraging drivers for water and land foodscapes governance	x	x			3%		
WP SubTotal	x	x	x	x	100%		



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