

Institutional Strategy - GWF Program Milestones

Completed or nearly completed	Aspirational	Not Applicable					
Activity	Y1	Y2	Y3	Y4	Y5	Y6	Y7
<i>Year-1 Mobilizing the GWF Program - Operational</i>							
Governance structures formed (committees, panels, groups, Operational Support)	■	■	■	■	■	■	■
Leveraged existing links across networks, securing critical end-user and international participation and building internal thematic teams	■	■	■	■	■	■	■
Established strategic document with detailed program plans to guide activities	■	■	■	■	■	■	■
Developed website, marketing materials, and implement external communication plans, outreach/engagement	■	■	■	■	■	■	■
Developed data policy, IP and commercialization plans	■	■	■	■	■	■	■
Project management training	■	■	■	■	■	■	■
Cross-institutional short courses, training seminars and career development/leadership workshops	■	■	■	■	■	■	■
Initiated recruitment process filling key expertise gaps (students, PDFs, faculty, staff)	■	■	■	■	■	■	■
<i>Year-1 Mobilizing the GWF Program - Scientific</i>							
Established new observatories and laboratories	■	■	■	■	■	■	■
Established data and software management units	■	■	■	■	■	■	■
Initiate sensor and drone development programs	■	■	■	■	■	■	■
First Request for Proposals to fund and initiate projects across Pillars and Themes	■	■	■	■	■	■	■
Assembly of computing systems infrastructure, and content management system	■	■	■	■	■	■	■
Inaugural GWF Science Symposium	■	■	■	■	■	■	■
<i>Year-2 Building Momentum for the Program - Operational</i>							
Continued processes established at the program outset (e.g. annual RFPs, initiation of projects, HQP recruitment and integrating)	■	■	■	■	■	■	■
Major biennial reviews of the program will be launched, conducted by international advisory and oversight committees to ensure progress is tracking toward defined goals	■	■	■	■	■	■	■
<i>Year-2 Building Momentum for the Program - Scientific</i>							
Significant progress in expanding instrumented water observatories as living laboratories	■	■	■	■	■	■	■
National and international project teams will be fully functional, making significant advances in science and technology across pillars	■	■	■	■	■	■	■
Developed a more comprehensive understanding of water-related processes across our ecosystems	■	■	■	■	■	■	■

Completed or nearly completed	Aspirational	Not Applicable					
Activity	Y1	Y2	Y3	Y4	Y5	Y6	Y7
Years 3-5 Realizing Impact from the Program - Operational							
GWF leadership will strengthening the program by making strategy adjustments based on latest scientific results, advice from international advisors, and direction from the oversight committee.							
Build on our growing reputation to hold our inaugural global conference with a special water futures topic, in addition to annual symposiums							
Years 3-5 Realizing Impact from the Program - Scientific							
GWF software products distributed with open source licensing and that technical and scientific advances should be publically presented, published and distributed openly to users with an open use license							
Establish, through international partners, enhanced observing systems in strategic cold regions around the world							
Data will be made publicly available via apps and customized stakeholders							
Models and systems will be refined based on our new observing power							
Improved predictions will be developed, and pilot programs implemented with end-users testing key technologies (e.g., decision making tools, warning systems)							
Recruitment and cross-institutional training of HQP continues.							
Dramatically strengthened observation power in our living laboratories, and translated leading-edge findings into radically new forecasting and prediction models, forming the backbone of new user-focused technologies							
Years 6-7 Establishing Global Leadership - Operational							
Sustainability plans will be developed and implemented, including next generation approaches and tools							
Conduct major reviews of activities and respond proactively as needed							
Years 6-7 Establishing Global Leadership - Scientific							
Dramatically enhance the sophistication of our tools and continue to work with stakeholders to refine them							
Solutions will be deployed on a large scale, expanding from our pilot programs, using commercialization routes and knowledge mobilization strategies							
Full suite of apps will usher in a new era of public access to water information and citizen-engaged science							
Scientific knowledge translated into user friendly solutions that warn of impending disasters, lead to more predictable water futures, and support decision-makers in optimally managing risk							