

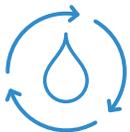
SECURING WATER FOR FOOD:

A GRAND CHALLENGE FOR DEVELOPMENT

Who We Are

Securing Water for Food aims to enhance access to innovations that help agricultural producers grow more food with less water, enhance water storage, and improve the use of saline water and soils to grow or process food. Through a competitive process, the program has pre-screened and selected only the highest potential water-for-food innovations and is providing grants and ongoing acceleration assistance to support their business development.

What We Focus On



Efficiency

Helping farmers use water more effectively



Salinity

Removing salt from water to make more food



Storage

Improving water storage for lean times

How Securing Water for Food Works

GROWING MORE FOOD WITH LESS WATER

Approximately 70 percent of the world's freshwater supply is used for agriculture. As the world's population continues to rise, we'll need more water to grow enough food.

THE CHALLENGE

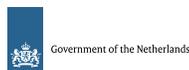
Since 2013, USAID, Sweden through the Swedish International Development Cooperation Agency (Sida), the Government of South Africa (DST), and the Ministry of Foreign Affairs of the Kingdom of the Netherlands (MFA-NL) have invested \$35 million and provided critical acceleration support to promote science and technology solutions that enable the production of more food with less water and/or make more water available for food production, processing, and distribution in developing and emerging countries.

Securing Water for Food's approach is as unique and innovative as the 40 solutions supported. Decision-making is driven by hard data and evidence. Once innovations reach pre-established milestones, the Securing Water for Food Technical Assistance Facility provides advisory and acceleration services, grants and financial management support, M&E guidance, capacity building support, and connections to a variety of partners and networks.

THE IMPACT

Since 2013, over 1.1 million people in 28 countries have benefitted from our investments. We've been able to save nearly 2 billion liters of water – enough to fill 784 swimming pools – and to produce around 300,000 tons of food. To date, 75 support engagements have been delivered to our innovators and \$10 million+ have been leveraged by SWFF awardees in 120+ additional partnerships.

This approach has been so successful that we are taking the lessons we have learned and are applying them to achieve our broader water goals across the SWFF partnership.



Timeline

FIRST CALL FOR INNOVATIONS

Announced in November of 2013, 16 innovators received over \$6.5 million in funding to scale up access to commercially viable water approaches.

THE DESAL PRIZE

Released on World Water Day 2014, this over \$1.5 million call uncovered two environmentally sustainable, small-scale brackish water desalination system solutions.

THIRD CALL FOR INNOVATIONS

Launched in March 2015, 12 innovators were chosen from over 400 applicants from 67 countries for their focus on cutting-edge, advanced technologies and business models, as well as innovations that engage women. The innovators will receive between \$100,000 and \$3 million in funding and acceleration support to bring their innovations to scale.

FOUR CALL FOR INNOVATIONS

Launched in August 2016, 10 innovators were selected from 555 applications from 92 countries. For this round, we received the most applications from the highest number of countries in the program's history. The innovators selected for the \$7.5 million competition were chosen based on their ability to improve water and food security, improve gender equality, and reduce poverty. The innovators will receive between \$100,000 and \$2 million in funding and acceleration support to bring their innovations to scale.



Innovations

WATER CAPTURE & STORAGE

- Dew & Fog Collecting Sponge
- Filters for Storing Rainwater Underground
- Hydro-Powered Pump
- Integrated Aquaculture & Crop Production
- Sandbar Cropping
- WaterBoxx for Water Collection
- WaterPads for Plant Water Retention at Root Level

WATER EFFICIENCY & REUSE

- Affordable Greenhouses
- Circular Economy with Black and Grey Water Recycling
- Drought Prediction Tool
- Innovative Business Model for Disseminating Water Management Technologies
- Internet of Things Platform for Precision Irrigation

- Irrigation Design & Installation App
- Mobile Weather Data for Farmers
- Silicic Acid for Resilient Crop Seeds
- Solar-Powered Drip Irrigation
- Simplified All-Inclusive Hydroponics Services
- Water-Efficient Flask-Wall Mushroom Growing House

SALINITY & SALT WATER INTRUSION

- Photovoltaic-Powered (PV) Electrodialysis Reversal Desalination System
- Salt Tolerant Potatoes
- Salt Tolerant & Drought Resilient Seeds
- Zero Discharge Desalination Technology (ZDD)

Partner with Us

Securing Water for Food represents a multi-governmental partnership aimed at tackling one of the world's greatest challenges – water and food security. To reach our goal, we seek connections and strategic relationships that help our innovators test, implement, and scale water-for-food solutions.

Interested in partnership opportunities?
Contact securingwaterforfood@gmail.com.

www.securingwaterforfood.org