



Water and Food Security

A Public-Private Partnership for
Intelligent Water Management
in Coffee



WAGENINGEN
UNIVERSITY & RESEARCH



"To achieve food nutrition, growing more of the same staple crops will not be enough; we need agriculture to be climate and nutrition-smart. We must meet the needs of communities and nations in the shift of climate by opting for food systems that are diverse, efficient and resilient."

Kofi Annan at Global Panel on Agriculture and Food Systems for Nutrition annual meeting, Accra, 2016

Climate change affects agriculture in a number of ways, including through changes in temperature, rainfall, and climate extremes. Future climate change is known to affect crop production, with varying impacts, depending on a wide range of factors, including the base situation of land, water and crops in a certain country or region. Alternating water supply shortages leading to yield depression and excessive rainfall leading to flooding and landslides reflect an imbalance of water resources. And in rural areas, this water imbalance has a negative effect on farm productivity, and thus, the possibility to generate an income for the farming families.

Our water & food services

We offer core expertise to assist governments and agencies in identifying and implementing solutions related to:

- Integrated water management and water saving practices under a changing climate
- Supporting agricultural development and agribusiness using public private partnerships
- Advice on improved water management, for both quantity and quality
- Policy recommendations for water management and food security

A Public-Private Partnership for Intelligent Water Management in Coffee

A Public Private Partnership was initiated for the implementation of an Integrated Water Management System towards a Climate Intelligent Coffee Sector in Colombia (2013-2018). The project is innovative because it integrates and adapts existing solutions and concepts into a new model that is effective and sustainable. It seeks for the best existing experiences and solutions and sets them into systems and improvement processes at different levels, within a landscape context. The project applies special extension methods and learning materials for the various stakeholder groups. It also applies adapted coffee production and processing technologies; community organization and empowerment mechanisms; PPP collaboration and improved governance schemes. The project contributes to the sustainability, competitiveness and well-being of, in the end, over 560.000 Colombian coffee-growers and to the whole coffee regions, by building capacity and improving farming systems for cross-sector cooperation, sustainable production and environmental protection.

Our ambition

Our ambition is to improve the social, economic, environmental conditions of the Colombian coffee farmers. Working in a Public Private Partnership leads to a wider impact than the partners separately could achieve!

Research Program

Sustainable Water Management



Contact

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