

Climate Prediction Services for Agriculture & Water Management

“To feed a growing world population, we have no option but to intensify crop production. But farmers face unprecedented constraints. In order to grow, agriculture must learn to save”.

FAO, 2011

Products

1. Monthly to decadal predictions

Climate predictions evaluate the variability of weather over near-term future timescales. They represent the cutting-edge in climate modeling and the most robust climate information currently available, by demonstrating the probability of possible scenarios alongside which is the most likely.



2. Impact assessment

Early identification of climate-related vulnerabilities for the agricultural and other water-sensitive sectors that help identify risks and opportunities for farmers and water managers. Support in defining management strategies and adaptation to climate change.

Applications

- **Water management**
 - Distribution of water resources to satisfy different demands
 - Management of water quality
 - Market and business opportunity of hydraulic engineering companies
 - Management of infrastructure for hydropower generation
 - River transport
- **Agriculture**
 - Decision-making during the growing season (fungicide acquisition, pruning, harvest date...)
 - Selection of the crop type
 - Crop trade in the market

Our projects on climate predictions for the agriculture and water management sectors have received funding from:

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