

- Review best practices for agricultural risk management
- Implementation of pilot-projects integrating Earth system model information (data and forecasts) to end-user application models (crop-yield models, pest-crop models) in order to improve food-supply prediction for agriculture
  - Comparing methodologies using climate forecasts to generate datasets to be used by simple vs data-intensive simulation agriculture models
  - Develop standards on completing long-term weather datasets for ag simulation models
- Pilot projects as case studies shall be developed demonstrating risk assessment analyses and quantitative comparison to standard, benchmark practices
- Conduct a workshop based on available resources to promote the exchange of ideas on agricultural risk management
- Advocate funding from donors for ongoing research and operational implementation of pilot projects on ag risk management
- Pilot projects: Improve the integration of wx / climate information (data and forecasts) into the existing Famine Early Warning systems (e.g. FEWS, FAO GIEWS)
- Pilot project: Develop and improve analytical tools to assess the impacts of extreme events and climate variability on agriculture (ANADIA)

#### Output & Deliverables

- A set of tools for agricultural risk assessment based on extreme weather and climate variability scenarios and their integration and combination with remotely sensed data
- Demonstration of the potential effectiveness of an operational weather/climate forecast system for food security
- Chapter for Best Practices Document: Climate prediction and agriculture

#### Calendar

Early 2010 – Organize a task team meeting to develop implementation plan

1st Quarter 2012 - Review task implementation and finalize report