

# CACHES

## Climate Adapted Crop Health Expert System

Climate-KIC Theme	Climate – assessment and identification of drivers
Project duration	01.01.2011 – 31.12.2013
Lead partner	Potsdam Institute of Climate Impact Research PIK
Project lead	F.-W. Gerstengarbe
Project type	Innovation



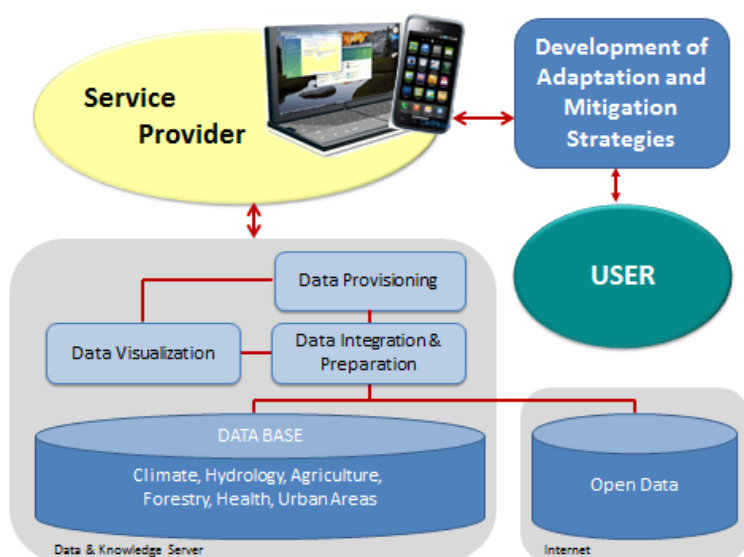
### Concept

**CACHES aims at the development of a client-server based system, which couples actual climate and future climate scenarios with the resulting impacts in the fields of hydrology, agriculture, forestry, energy, health and tourism.**

Access will be provided via mobile (such as iPad) and for web-enabled devices as used in offices (such as standard PC). Within the pilot study, the model chain will be provided for Germany to start with. The aim is, however, to deploy this information for a possibly highest number of

regions and users worldwide by developing tailor made product solutions for the respective sectors. Further collaborations and increased Entrepreneurship and Education activities are currently in preparation with the German Climate-KIC authorities.

### Overview



### Deliverables

- Scenario related **data basis**
- Pilot **information tool**
- Marketable **client-server based system** enabling users to obtain constantly up-to-date information
- Possibility to develop **adaptive and preventive strategies** for vulnerable areas
- Potential **Education activities** worldwide

### Partners

PIK  
WetterOnline  
Bayer Crop Science (in discussion)  
Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH GIZ (in discussion)  
Further corporate partner

### Role in project and competences

Using statistical models to develop climate scenarios  
Subcontractor developing the client-server platform  
Providing a market analysis regarding the tool's usage in the agriculture sector  
Education and dissemination activities; currently first workshop planned to prepare a possible co-operation  
The project searches for a company which envisages developing consultancy services and/or a marketable product for adaptation strategies for specific sectors