MOSAICC

Modeling System for Agricultural Impacts of Climate Change
1. System overview

2. Questions / Challenges
System overview
System overview

Other utilities
System overview

CCI - User Functions

The FAO-MOSAIICC User Interface is designed around a few concepts:

A. Data Type
B. Module
C. User Function

Several Data Types are defined, but basically we can trace them back to some general types:

- Grid / Raster data
- Polygon related Data
- Point-related Data

Those general data types define the different methods the modules work with them and then the concept of "Work Mode" has been define.

One of the aims of FAO-MOSAIICC is to create a proper user interface for each module, trying to generalize them in order to limit the number of interfaces to develop and maintain. The modules can easily be classified and the concept of "Module Type" has been defined. Some functions can be used in different modes, such as "Calibration" and "Simulation": the concept of "Function Mode" has been defined to handle those modes.

The concept of "User Function" combines the different ideas reported above and extends them to some functionalities of the system that don't require to run an external module. More precisely, the User Function provides a general method to provide the parameters to a module and allows to specify the following information:

- the mode, i.e. main type of data the module will work on
- the function mode, i.e. the way a module works with the data
- the module parameters, that depend on the work and the function modes
Questions / challenges

Scientists • Policy makers
Questions / challenges