

# Belmont Forum

## E-INFRASTRUCTURES & DATA MANAGEMENT Collaborative Research Action

### Delivering Food Security on Limited Land (DEVIL)

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Project P.I : Prof. Pete Smith, University of Aberdeen

and Deb Roberts James Hutton Institute/UoA

Scoping Workshop

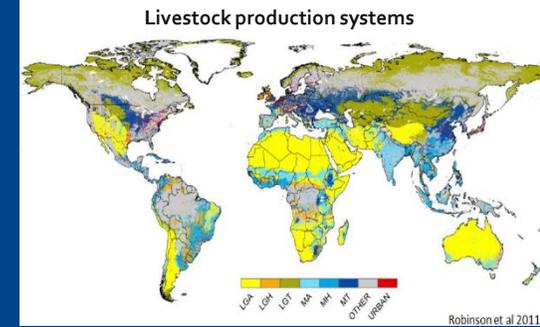
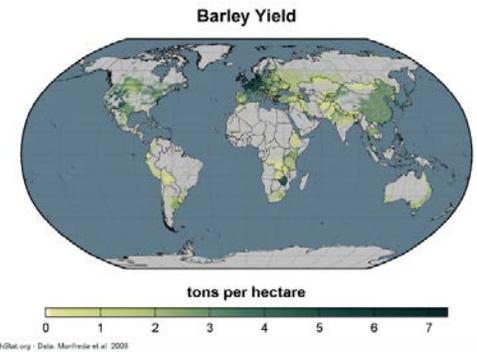
November 28-29, 2016

ANR, Paris

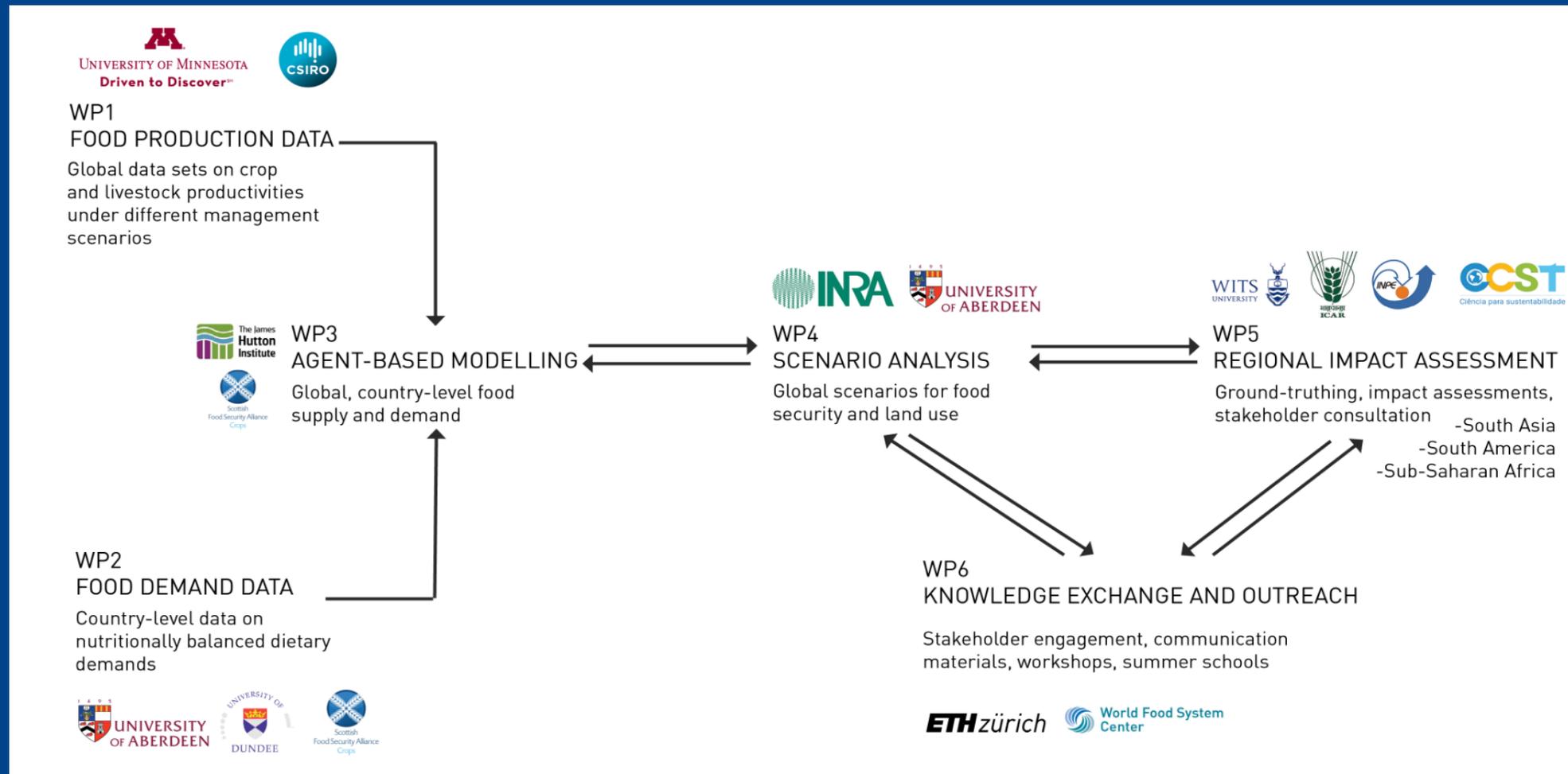


# PROJECT DESCRIPTION

- The aim of our study is to examine feedback interactions between land use change and food security dynamics. To do this we will:
  - a) Develop a modelling system that incorporates a global food systems model, spatially disaggregated data, food production dynamics, global information on national diets, food demand and trade.
  - b) Explore the impact a range of production/demand side scenarios will have on global food security with and emphasis on land use change
  - c) Explore the impact a range of production/demand side scenarios will have on regional food security, ecosystems services and land use change for: South Asia, sub-Saharan Africa and South America



# PROJECT DESCRIPTION



# E-INFRASTRUCTURES & DATA MANAGEMENT

Project has a mixture of approaches to data management and sharing

Some data is available on open access platforms: e.g. [www.earthstat.org](http://www.earthstat.org) or is held within an institutes own network.

Each host institution provides computation facilities e.g. Maxwell, UoA. Data transferred between WP's via the usual data sharing portals e.g. password protected section of site

# E-INFRASTRUCTURE AND DATA MANAGEMENT ISSUES

Early stage of project so have not encountered many problems (yet!)

Communication between WP's that generate data and WP's that use data – timing, format, scale etc

Computational facilities, e.g. Maxwell in UoA, are for staff only

Central data storage – file sharing and editing documents

Long term storage of final project outputs (i.e. beyond project lifespan plan), does data get lost after publishing paper if not financial assistance for maintaining and storage, if not the University who?

# EXPECTATIONS FROM E-I&DM CALL

Experience/ ideas from projects that have already encountered these issues.

Some more guidance/input from for example the Belmont Forum especially on long term plans for project outputs – for support, accessibility, licensing etc.

Belmont forum could maybe do more to bring the different groups together