

Figure 2. The proposed architecture of CFFRC's planned CropBase

Workshop Chairs

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Program Committee

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Submission

Please submit your abstracts (maximum 1200 words) by email to Dr Tuong Thuy Vu (Tuongthuy.Vu@nottingham.edu.my)

Abstracts Submission deadline: **15th March 2012**

There is no registration fee but the numbers are limited. Participants need to arrange their own travel and accommodation.

AgriGIS 2012

Advancing Geospatial Technologies in
Agricultural Research

10th May 2012

University of Nottingham Malaysia Campus (UNMC)

Jalan Broga, 43500 Semenyih

Selangor Darul Ehsan, Malaysia

Malaysia

Organised by:

University of Nottingham &
Crops for the Future Research Centre



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Background

Geospatial information has been playing an important role in agricultural research and practice, especially from Earth Observation systems and data processing. Geospatial analysis and modelling have also proved to be efficient tools for agricultural planning and management. Rapid developments in technologies for the collection and dissemination of information, such as positioning, broadband mobile communications, sensor platforms and sensor-web enablement, spatial search and pervasive computing, are fundamentally changing the access to and use of location-based data in agriculture. In addition to providing more opportunities for expanding the applications, this advancement also creates new avenues for multi-disciplinary research and practices in the use of GIS in agriculture research.

The AgriGIS 2012 workshop will focus on state-of-art use of geo-information and geospatial technologies in agricultural research and practice, and highlight current developments and experiences with an aim to:

- bring together industry, academic and private and public sector researchers with relevant expertise in both geospatial technologies and agriculture to exchange knowledge on strategies for AgriGIS research
- understand current developments in use of geospatial technologies in agricultural research
- demonstrate current work at the University of Nottingham in this theme, in particular the GRASP prototype
- provide a platform to network and develop ideas for future collaborative work in AgriGIS
- act as a focus for AgriGIS research and development and plan proposals and strategies to secure funding for a future road map.

Topics

Contributions of abstracts are invited (but not limited to) the following topic areas:

- AgriGIS examples and workflows for earth observation through satellite-based remote sensing and airborne sensors
- AgriGIS usecases and workflows through *in situ* sensors
- Grid computing for AgriGIS
- Cloud computing for earth observation systems and AgriGIS
- Open source systems for AgriGIS
- Case studies of implementations

Organisers

Geospatial Resource for Agriculture Species and Pests (GRASP)

is a seed corn funded project by the Food Security Strategy Group of the University of Nottingham. Its objective is to develop a geospatially anchored framework for analysis of genotype-trait variation across any species. It will be integrated with higher levels of knowledge relevant to Food Security objectives. The larger aim of GRASP is to generate a common framework for agricultural species (including major pests and diseases) and for users to handle spatial data and integration according to their requirements, before contributing to the population of the prototype database.

Crops for the Future Research Centre (CFFRC)

is a joint venture between the Government of Malaysia and the University of Nottingham and is hosted in Malaysia by The University of Nottingham Malaysia Campus. CFFRC is the first international research institution dedicated to the study of underutilised plants for food and non-food uses. The CFFRC research strategy is summarised in Figures 1 and 2.

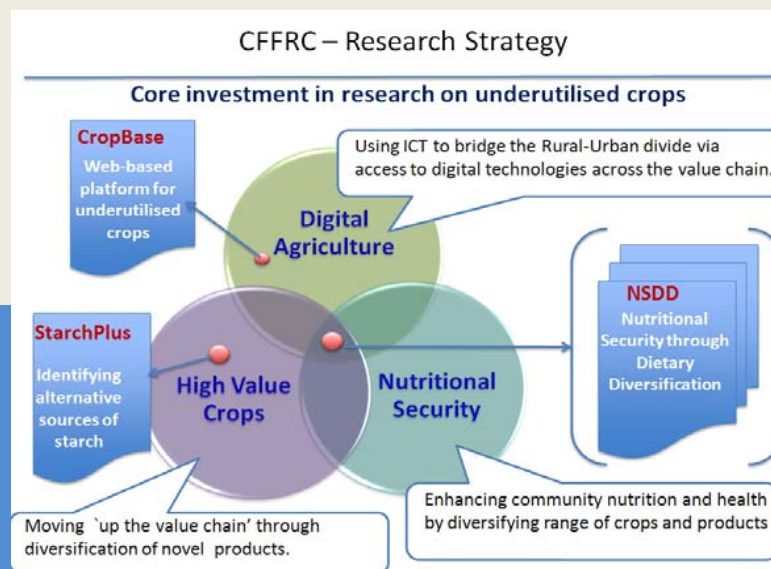


Figure 1. Initial Research Strategy of CFFRC showing Digital Agriculture as one of the three key themes