

Cambridge Conference on Global Food Security 2016

Harnessing the Natural and Social Sciences for Future Food Supply, Sustainability and Equality



INCORPORATING THE CAMBRIDGE CONSERVATION FORUM SUMMER SYMPOSIUM 2016



**Cambridge Global Food Security
Strategic Research Initiative**

Cambridge Conservation Initiative

transforming the landscape of biodiversity conservation

David Attenborough Building Cambridge



Cambridge Conservation Initiative a collaboration between:



David Attenborough Building Cambridge





Cambridge Global Food Security Strategic Research Initiative

Major research initiatives

Flagship projects: crop science

Students and Early career researchers

Interfacing with policy

Symposia and workshops

Partnerships



Dr Will Simonson
P/T Co-ordinator

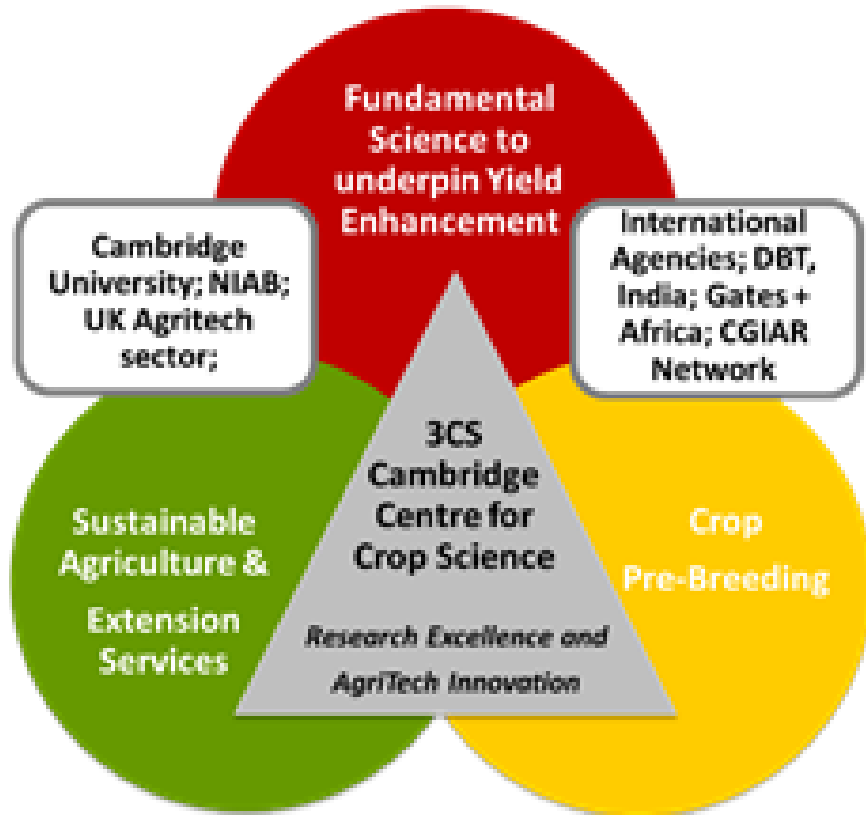
Co-chairs: Prof. Chris Gilligan

Prof. Howard Griffiths



Jacqueline Garget
Co-ordinator

Cambridge Centre for Crop Science



Infectious disease



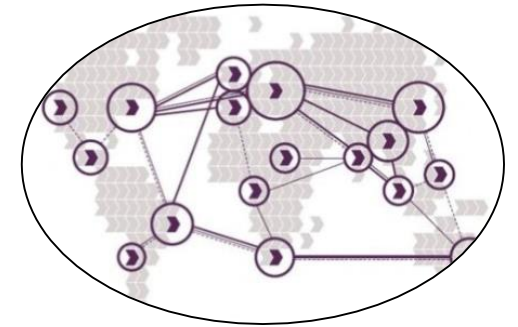
Plant Biology



Food Landscapes



Supply chains



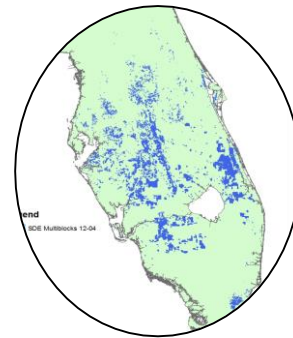
Political Economy



Global Governance



Modelling



**Land resources and
regulatory influences**

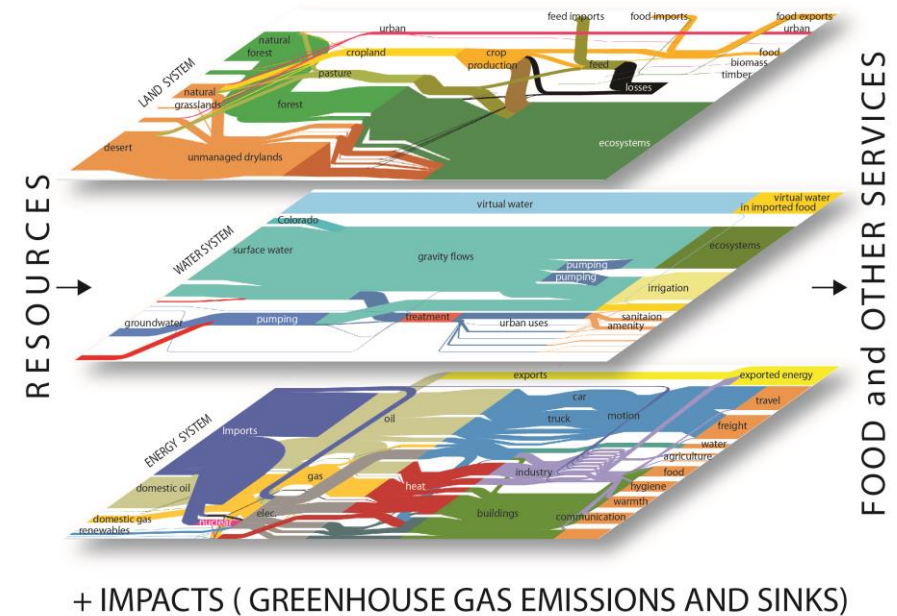


Food & Health



Scenario planning: *Feeding the world sustainably between now and 2050*

- *Sustainable intensification*
 - *Closing the yield gap*
 - *Expand cultivated land*



- *Demand mitigation*
 - *Pre- and post-harvest waste reduction*
 - *Rebalancing diets*

nature
climate change

ARTICLES

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Importance of food-demand management for climate mitigation

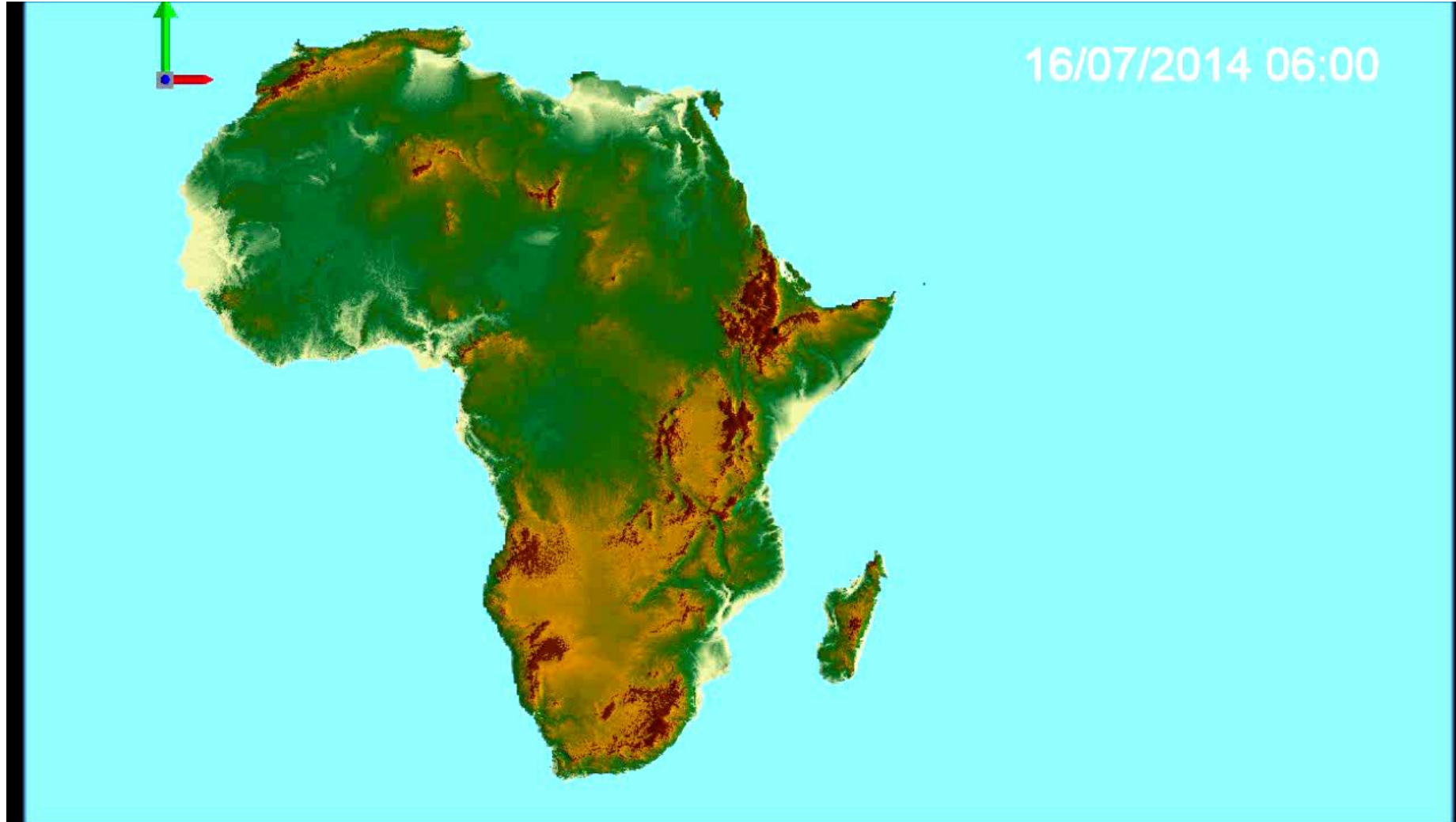
Bojana Bajzelj^{1*}, Keith S. Richards², Julian M. Allwood¹, Pete Smith³, John S. Dennis⁴, Elizabeth Curmi¹ and Christopher A. Gilligan⁵



Bojana Bajzelj, Cambridge

Emerging epidemics:

Predicting risk and optimizing control



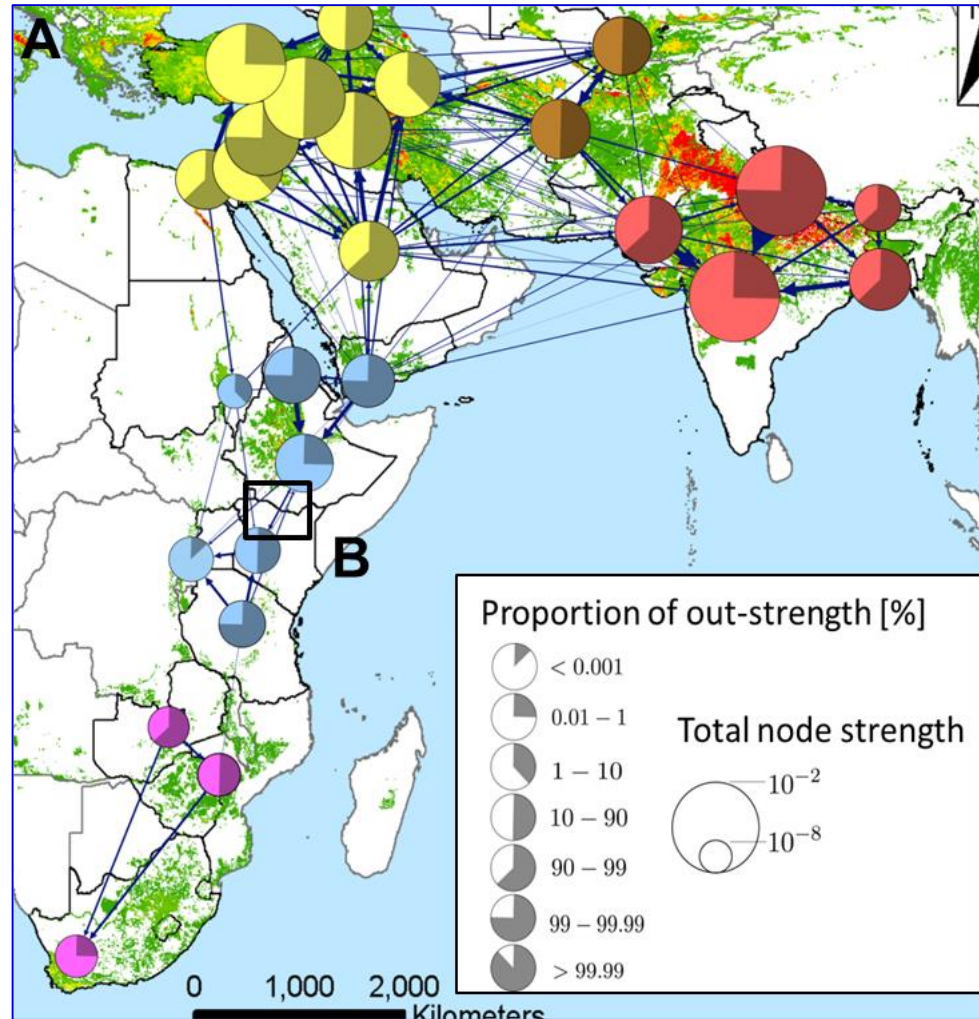
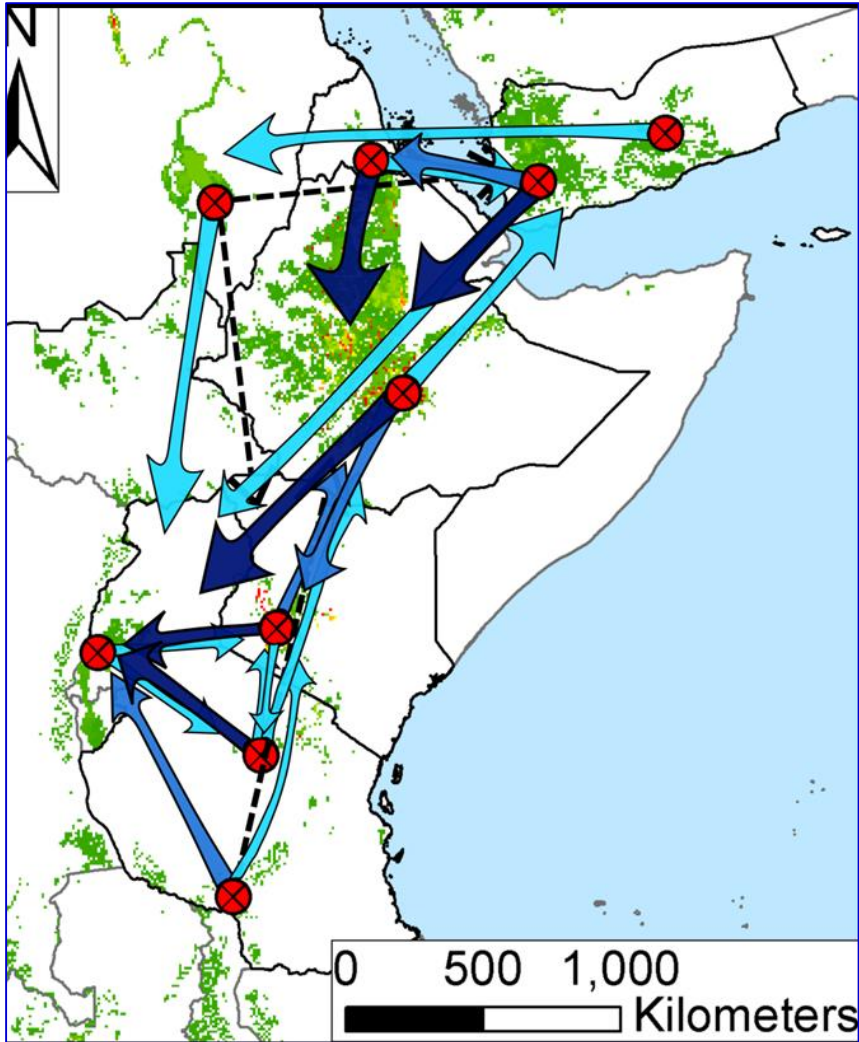
*New strains
wheat stem rust
emerging in
Africa*



Marcel Meyer
Cambridge

Emerging epidemics:

Predicting risk and optimizing control



*New strains
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Africa*



Marcel Meyer
Cambridge



Opening plenary session:

The challenge we face

Viewpoint from the international NGO community

Dame Barbara Stocking, Murray Edwards College

Viewpoint from politics and policy making

Zahid Jahoi, First Secretary, High Commission for Pakistan

'Agriculture is the backbone of our countries' - viewpoint from the grassroots

Shadrack Yoash and John Rusoke, Farm Africa

Fresh notes from the field

Toby Smith, University of Cambridge Conservation Initiative