

CCAFS - An Introduction

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Chair, CCAFS Independent Science Panel



UN Millennium Development Goals



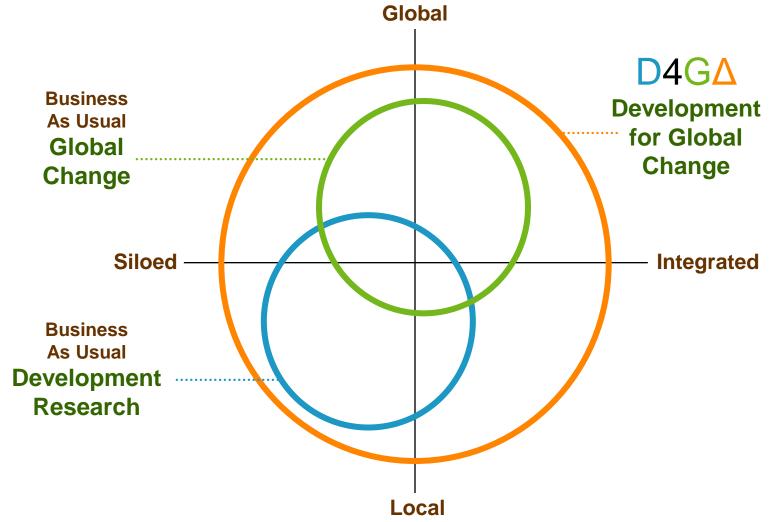


The number of undernourished people is increasing, while we are constrained by:



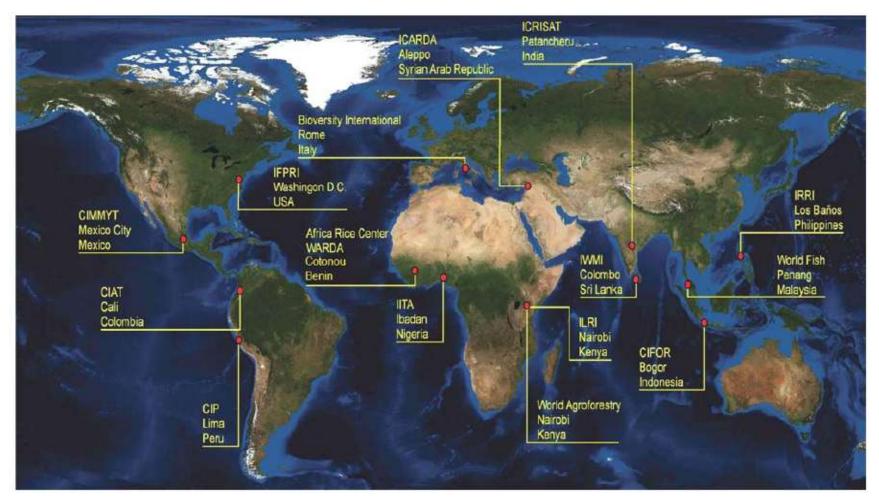
Rockström et al., Nature, 461 472-475 (2009)

The Challenge



Adapted from Sara Farley, The World Bank

15 CGIAR Centres



15 centers, 8,500 scientists and staff

A partnership



CGIAR + Earth System Science Partnership (ESSP); Future Earth from 2013.





ICSU Future Earth





A 10-year initiative based on current Earth System Science Programmes):

- World Climate Research Programme (WCRP)
- International Geosphere-Biosphere Programme (IGBP)
- International Human Dimensions
 Programme on Global Environmental Change (IHDP)
- DIVERSITAS a programme on biodiversity research plus
- Programme on Ecosystem Change and Society (PECS)
- Integrated Research on Disaster Risk (IRDR)

Co-designed by a global Alliance of partners



Note: WMO is an observer

13 July 2012 FACCE JPI Dublin

CCAFS objectives





- 1. Identify and develop pro-poor adaptation, risk management and mitigation practices, technologies and policies for agriculture and food systems.
- Support agricultural issues in climate change policies, and of climate issues in agricultural policies, at all levels.

Climate variability and change

Technologies, practices, policies and capacity enhancement:

- 1. Adaptation to progressive climate change
- 2. Adaptation through managing climate risk
 - 3. Pro-poor climate change mitigation
 - 4. Integration for decision making

benefits •

Improved

Improved livelihoods

Trade-offs and synaraia

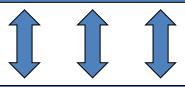
Enhanced adaptive capacity in agricultural, NRM & food systems

Linking Visioning at Different Levels

Future Earth (ESSP)

Global visioning activities

Global Scenarios



Global impacts modelling

Participatory scenario building

Regional Scenarios



Regional impacts modelling

Action research

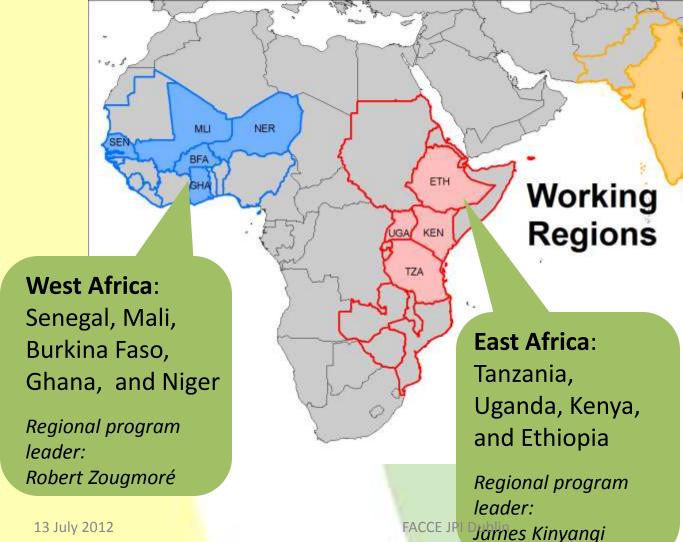
Farmer/village perspectives

Household & community impacts modelling



13 July 2012

Place-based field and policy work



Indo-Gangetic Plains:

Parts of India. Bangladesh, Nepal

Regional program leader: **Pramod Aggarwal**

CCAFS Budget 2012

COST CATEGORY	2012 Business Plan	Share	2012 Revised	Share	Variance
Personnel	21,279	30%	19,805	30%	-7%
Collaborators/Partnership Costs - CG Centers		0%	2,235	3%	
Collaborators/Partnership Costs - Others	22,381	31%	16.053	25%	-28%
Supplies and services	11,545	16%	11,948	18%	3%
Operational travel	2,937	4%	3,661	6%	25%
Depreciation	1,431	2%	1,050	2%	-27%
Contingency	634	1%	431	1%	-32%
Subtotal	60,207	85%	55,184	85%	-8%
Indirect costs	10,910	15%	10,079	15%	-8%
TOTAL	71,117	100%	65,264	100%	-8%
Funding Sources					
CGIAR Funding	55,023		45,814		-17%
Bilateral	16,094		19,449		21%
TOTAL FUNDING SOURCES	71,117		65,264		-8%







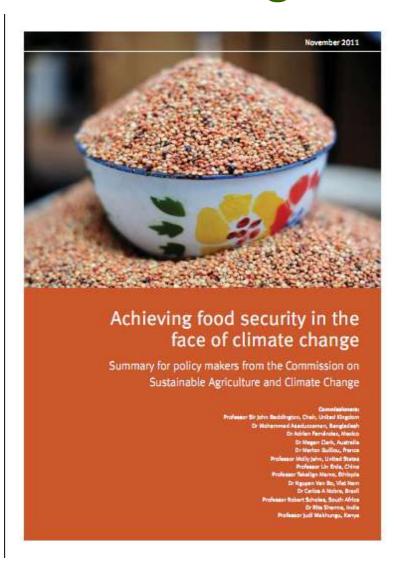


Agriculture & Rural Development Day

Durban, South Africa 3 December 2011

... and in Rio on 18 June 2012

The Beddington Commission

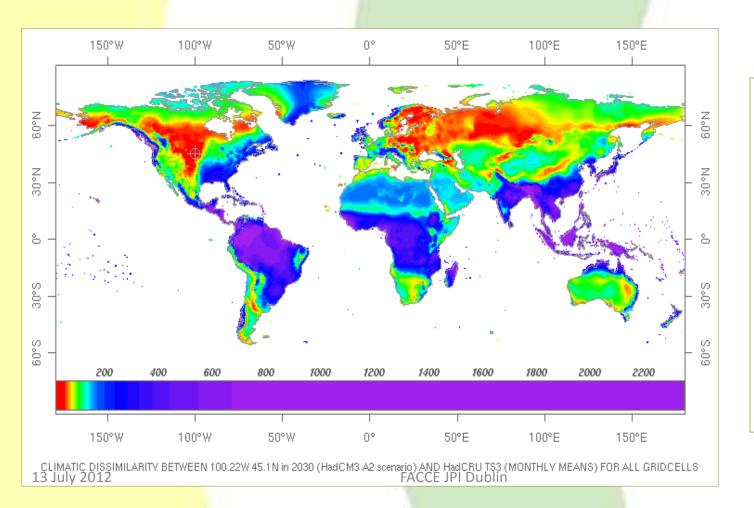


was chaired by Professor Sir John Beddington and reported its summary conclusions during COP17 in Durban, December 2011 and the full report at Planet under Pressure in London last March.

Seven recommendations to influence the Rio+20 negotiations, UN FCCC, etc.



Climatic analogue tool identifies where the climate today is a likely analogue to the future climate at another location.



Evaluate
whether
successful
adaptation
options in one
place are
transferrable
to a future
climatic
analogue site.

Improving Delivery of Seasonal Forecasts







What CCAFS outputs?

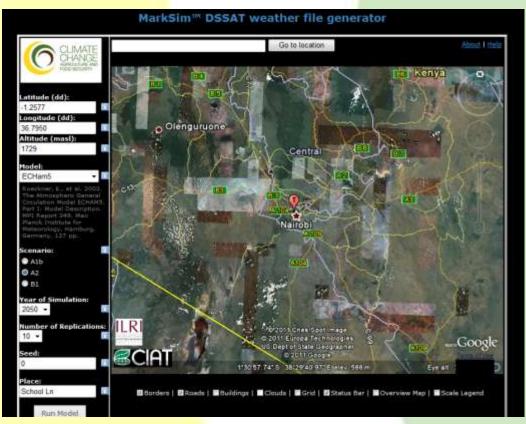
- Knowledge and tools for effective delivery of seasonal forecasts
- Increased understanding of the ways in which farmers incorporate climate information into decision making

Why is it useful?

By teaching farmers how to interpret and use tailored probabilistic seasonal forecasts, we can build upon indigenous risk management strategies as well as the innovative capacity of farmers to respond to climate variation. We also learn more about how new technologies can add value to farmers' decision making processes.

Integration for decision making:





What CCAFS outputs?

A tool to generate daily data that are characteristic of future climatologies for any point on the globe

Why is it useful?

To aid planning & drive agricultural impact models to inform resource allocation

Possible Collaboration



- Geographical complementarities; CCAFS covers developing countries with focus on smallholder farmers, FACCE covers Europe and can provide the platform also for collaboration with other OECD countries, the Global Aliance is "global".
- Agriculture and food security is strongly interconnected at the global level and there is a need for global syntheses
- Modelling the global food system with an "IFPRI-like" approach;
 collaborate on global data bases for modelling and policy analyses
- Collaboration on AgMIP (Agriculture Model Intercomparison and Improvement Project)
- Methodological collaboration on risk assessment and vulnerability mapping

Possible CCAFS – FACCE Collaboration (2)



- Methodologies to estimate GHG production (esp. with Global Research Alliance) and soil carbon sequestration verification
- Scenario development
- Collaboration in a policy context; UN FCCC and the Intergovernmental Science-Policy Panel on Biodiversity and Ecosystem Services (IPBES), G20 and other food security policy initiatives
- The International Opportunities Fund; a joint funding call between the Belmont Forum and G8 Heads of Research Councils (G8HORCs) for approximately 20M €. The countries currently involved currently are Australia, Brazil, Canada, France, Germany, India, Japan, Russia, South Africa, UK and USA: Food Security and Landuse Change topic for 2013.