

Analogue tools and Farms of the Future approach

CCAFS theme 1

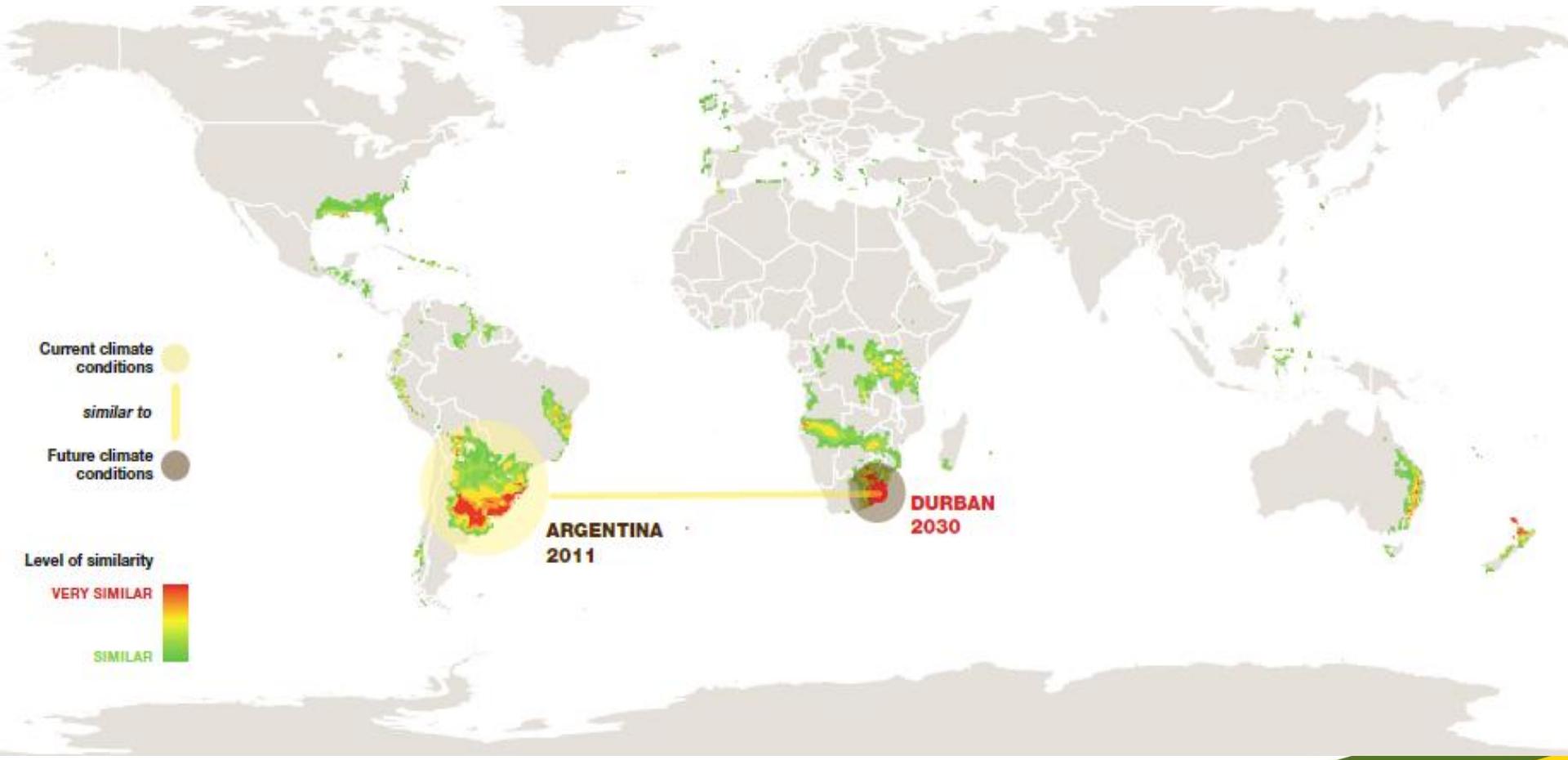
Addis Abeba, Nov 20 2012

Spotlight on : The Climate Analogue Tool

The world becomes a Living Lab for Adaptation in agriculture



The 2030 climate of a maize-growing area near Durban will correspond to the current climate of a major maize-growing area in Argentina. Growers in Durban can learn from these analogous climates how to adapt as their climate shifts.



For more info visit: <http://ccafs.cgiar.org/news/media-centre/climateanalogues>
Online tool interface: <http://gismap.ciat.cgiar.org/Analogues/>

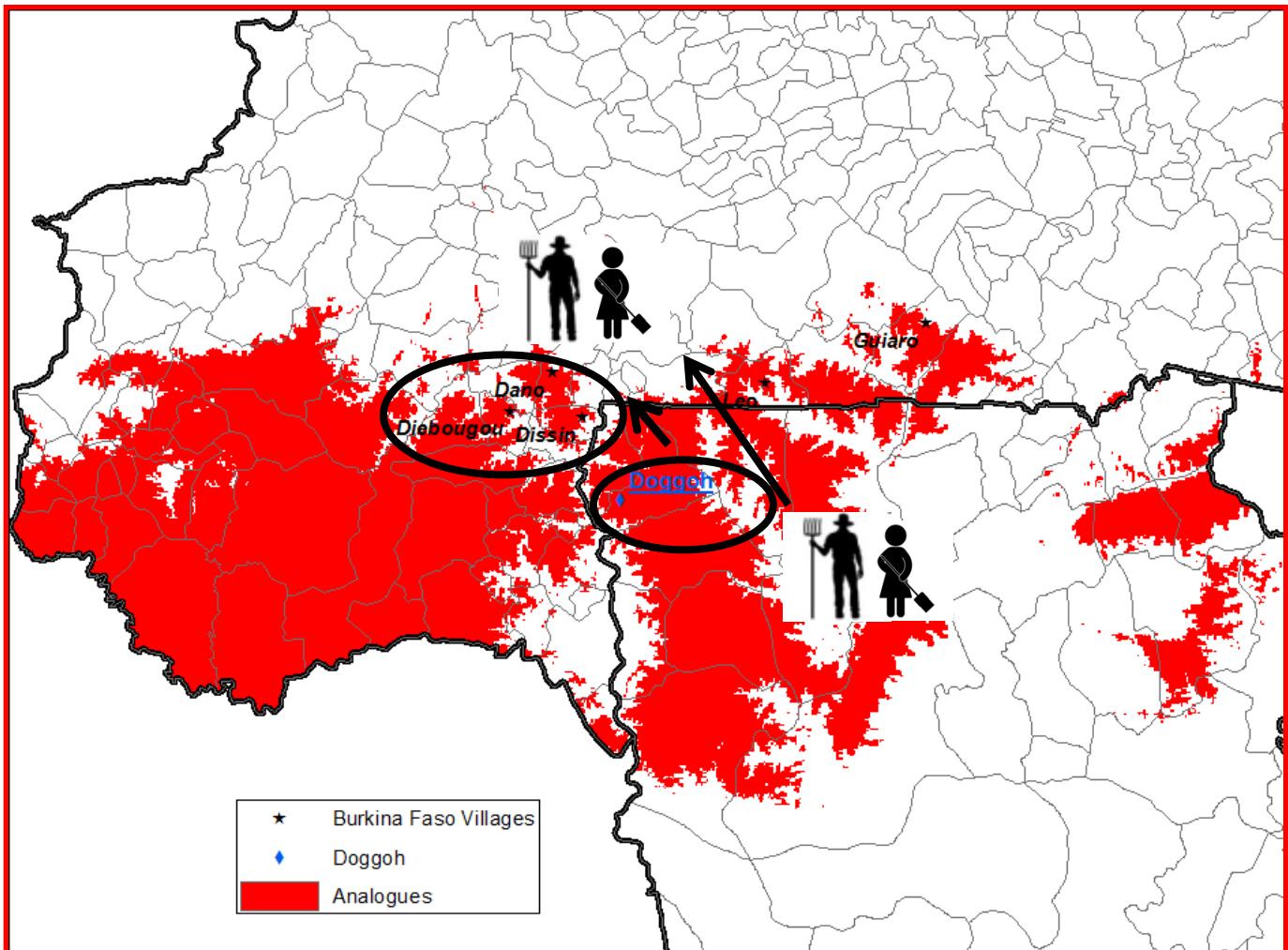
Farms of the future

The Concept

Three ongoing pilots



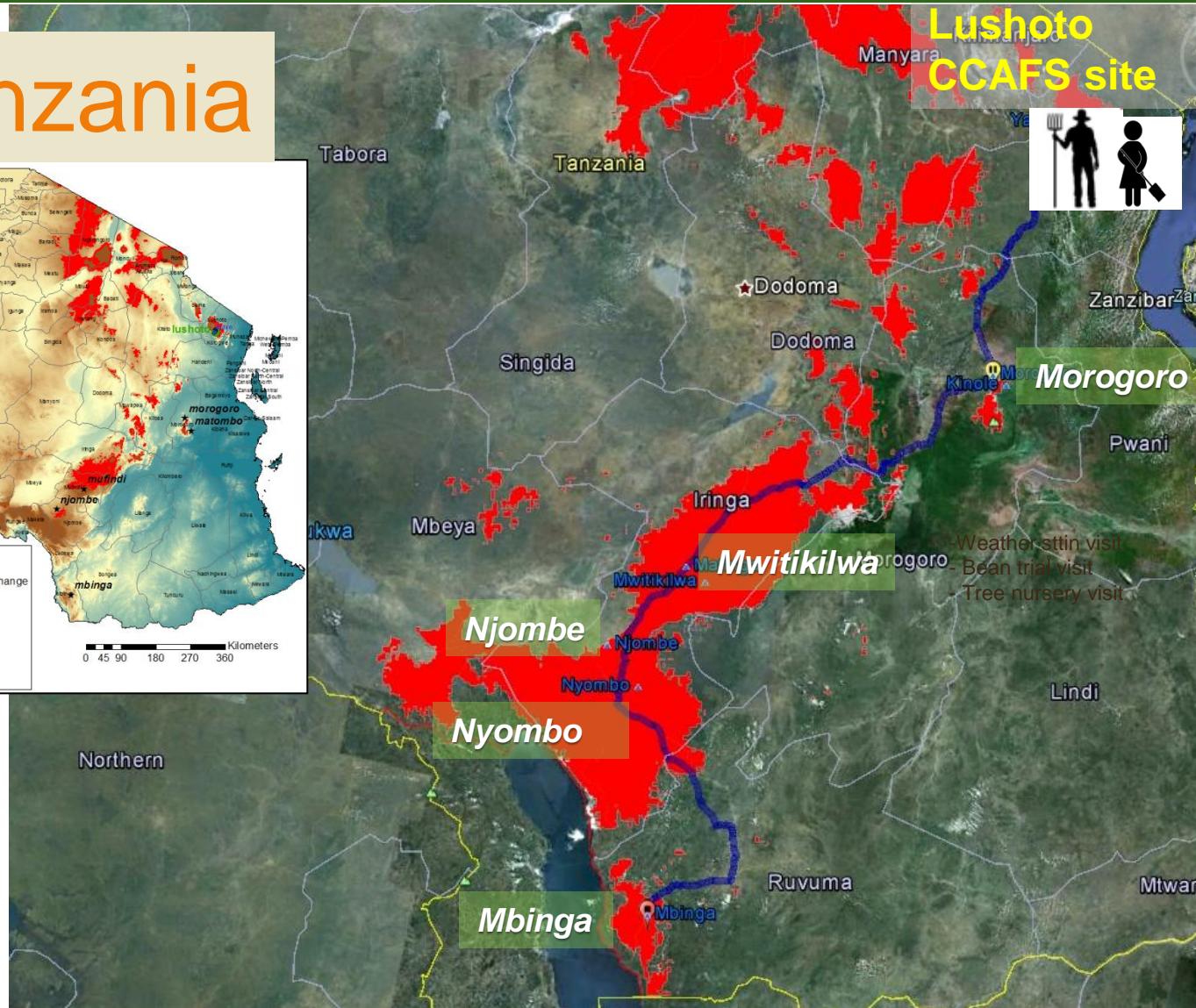
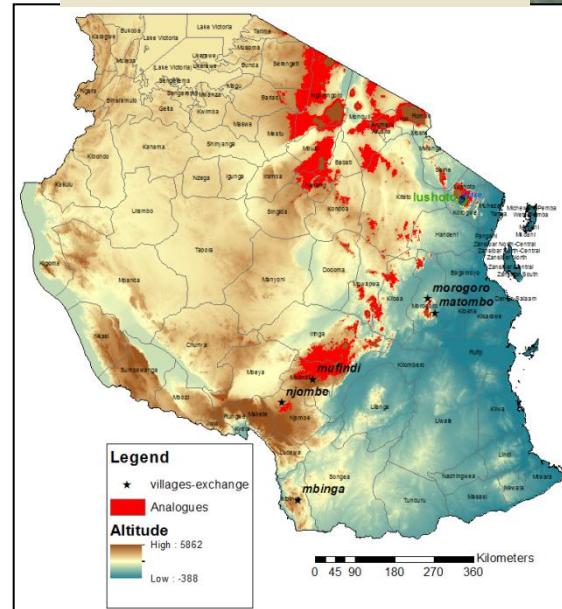
Natural
Resources
Institute



Farms of the future

Taking the analogue concept to the field

Tanzania



Farms of the future

Journey to Yamba's plausible futures

Analogue study Tour
Villages visited



-Market value chain social enterprise visit
- Input supply Stockists

-Weather station visit
- Avocado trial
- Banana varieties trial
- Maize fertility mngt



Lushoto
Mbuzii
Yamba

Starting point

- SACCOS visit
Market visit



Mwitikilwa

Weather station visit
- Bean trial visit
- Tree nursery visit

Njombe

Sepukila Village:
-Matengo pits: Traditional soil and water conservation technique
-Coffee nursery
-Stoves

Masasi Village:

-Water source
-Fish pond
-Biogas

Mtama Village:

- Bee keeping

Mbinga



Systemic Framework for Integrated Adaptation Planning

Partners: University of Adelaide and the University of Oxford

- Integrated program of research into the resilience and adaptive capacity of socio-ecological systems to climate change across social, institutional, economic and environmental scales and levels.
- Research program designed to be embedded in a collaborative network of governmental, non-governmental, community based and academic organizations from field to international scales

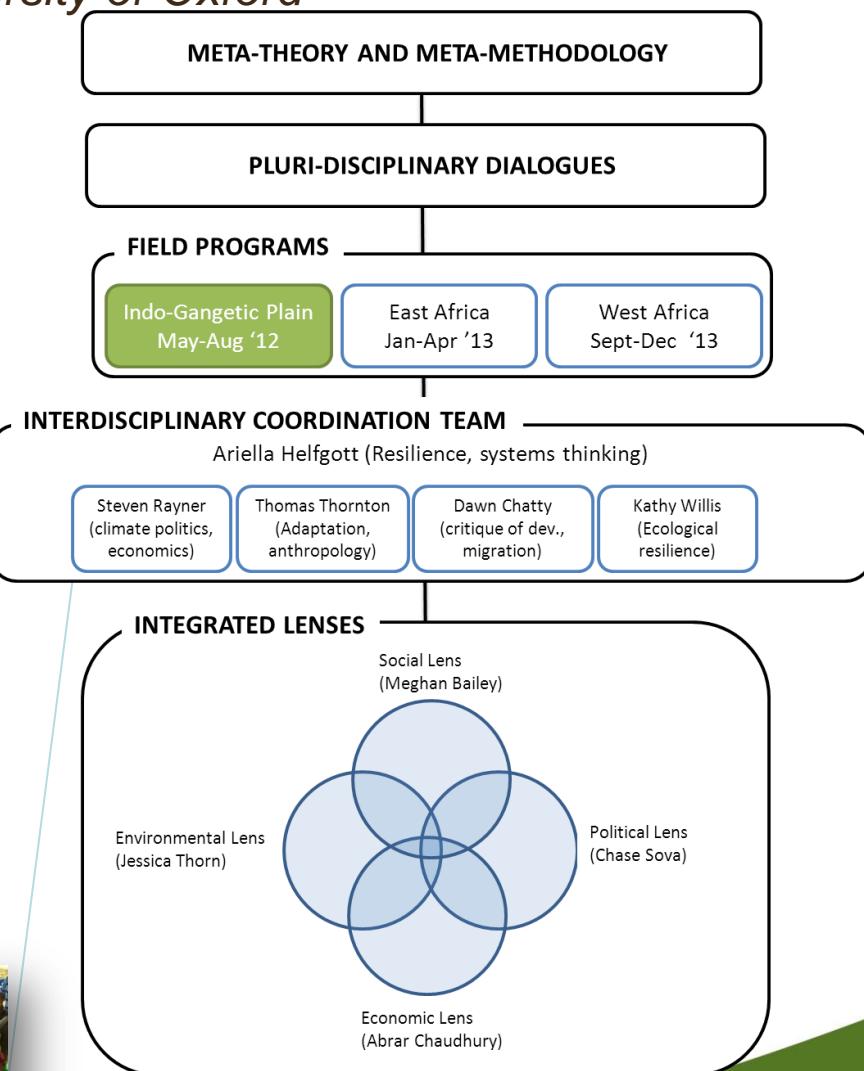
To Date: Methodological framework for each lens and conceptual framework for cross-cutting integration



Pilot testing and designing 'grounding' framework for Climate Analogues Tool (Farms of the Future)



Nepal Field Program with activities at local, regional and national levels (workshops, interviews, surveys, mapping exercises etc)



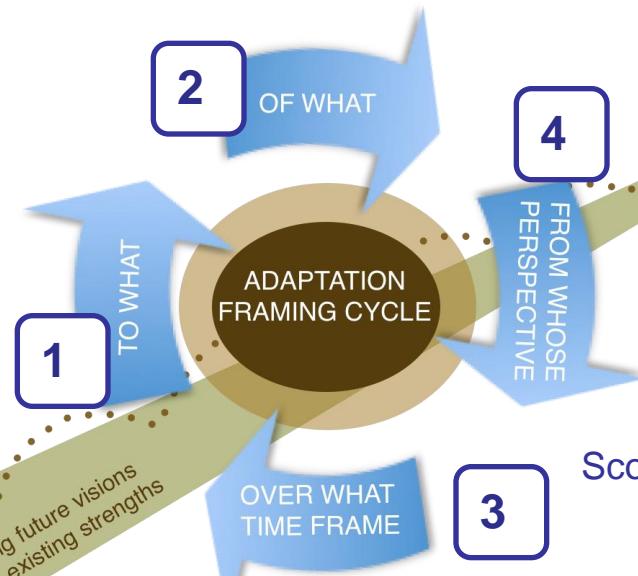
Farms of the future

Enabling farmers adaptation learning across analogue sites in Nepal

Participatory process to chose socially and culturally appropriate exchange locations and perform system analysis



Key environmental challenges and vulnerabilities



Local values and visions and aspirations for the future

Scope of the system under examination



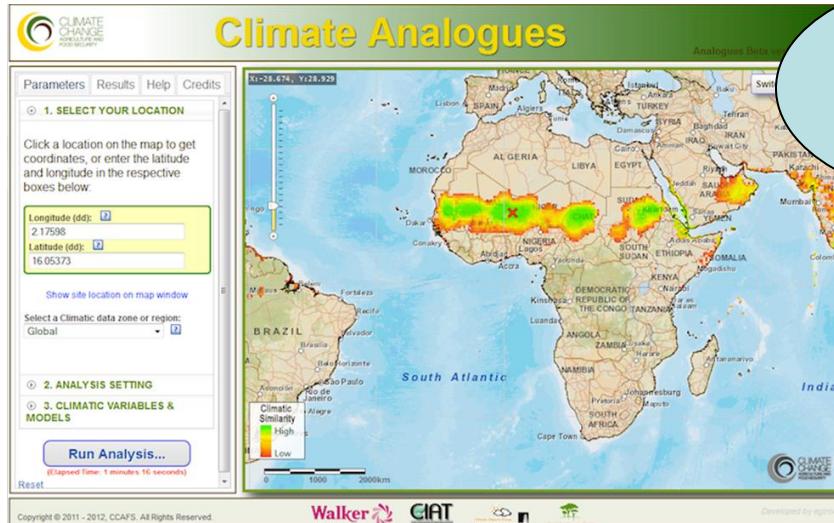
Farms of the future

Journey Beora's plausible futures



Analogue Tool: Finding Tomorrow's agriculture today

Methodology development



<http://gismap.ciat.cgiar.org/Analogues/>



CLIMATE
CHANGE
AGRICULTURE AND
FOOD SECURITY

Walker
INSTITUTE

 **CIAT**

Centro Internacional de Agricultura Tropical
International Center for Tropical Agriculture

Consultative Group on International Agricultural Research


Climate Impacts Group

UNIVERSITY OF LEEDS

Regional trainings



- 15 countries
- 70 local researchers
- WP:[Climate Analogues: Finding tomorrow's agriculture today](#)

 **ie** university


World Agroforestry Centre
TRANSFORMING LIVES AND LANDSCAPES

More information

Farms of the Future: <http://ccafs.cgiar.org/our-work/research-themes/progressive-adaptation/farms-future>

CCAFS working paper :

<http://ccafs.cgiar.org/sites/default/files/assets/docs/ccafs-wp-12-climate-analogues-web.pdf>

Blogs: <http://ccafs.cgiar.org/blog/finding-future-farmers-beora-nepal>
<http://ccafs.cgiar.org/blog/one-mans-future-another-mans-present-farms-future-hits-tanzania>

Analogue tool: <http://gismap.ciat.cgiar.org/analogues/>

Press release: <http://ccafs.cgiar.org/news/media-centre/climateanalogues>