



Achieving coherence across food security, adaptation and mitigation



Bruce Campbell
Program Director

Message from the youth





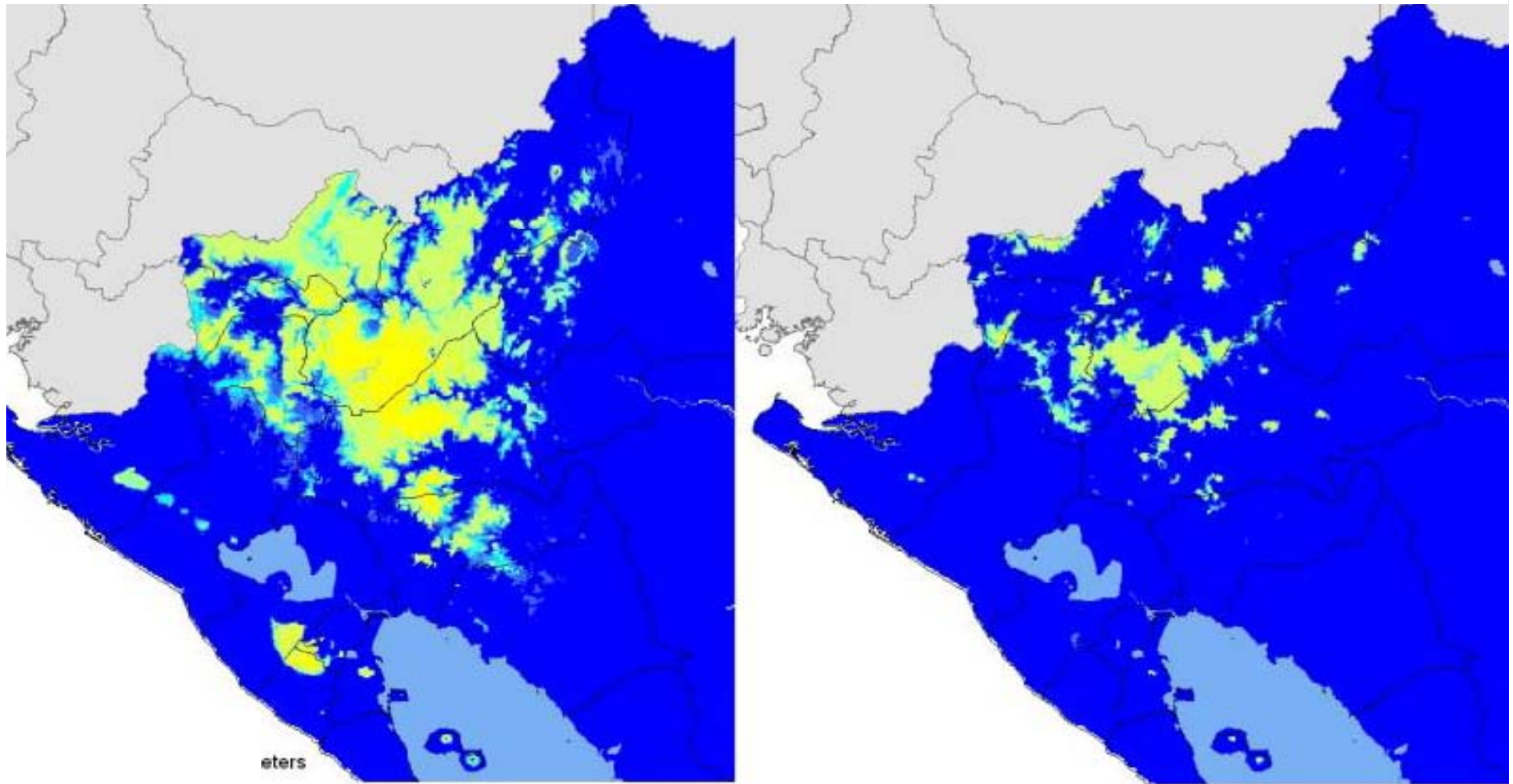
Rwanda coffee production

- c. 20% national exports
- Mostly arabica
- From 1500 m to 1800 m
- Reduced area and massive “transformational adaptation”
- 5-10% decline in total national exports

IITA
Research to Nourish Africa

CIAT
Centro Internacional de Agricultura Tropical
International Center for Tropical Agriculture
Consultative Group on International Agricultural Research

Reduction in coffee area in Nicaragua





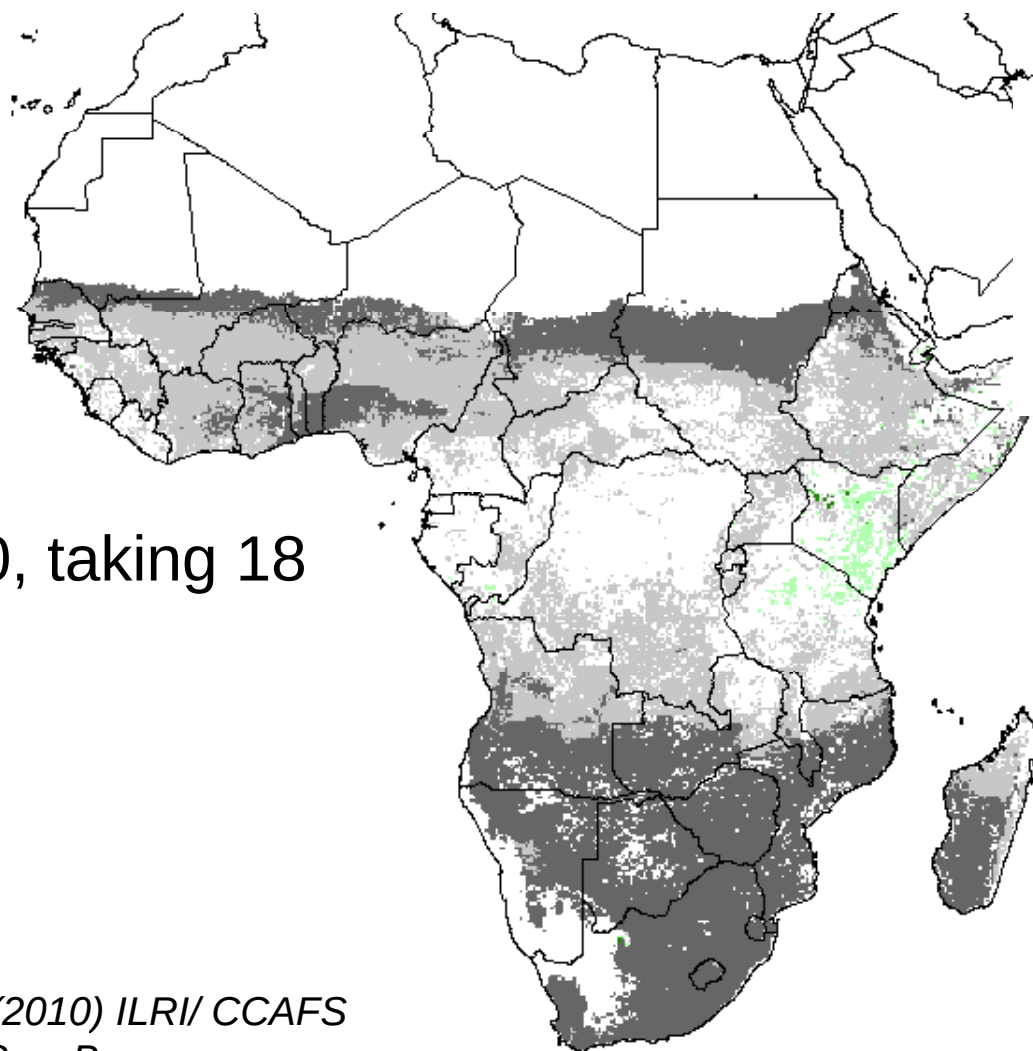
2 degrees warmer world - is likely to be just
"a nice Utopia"

Length of growing season will decline drastically..



DSS

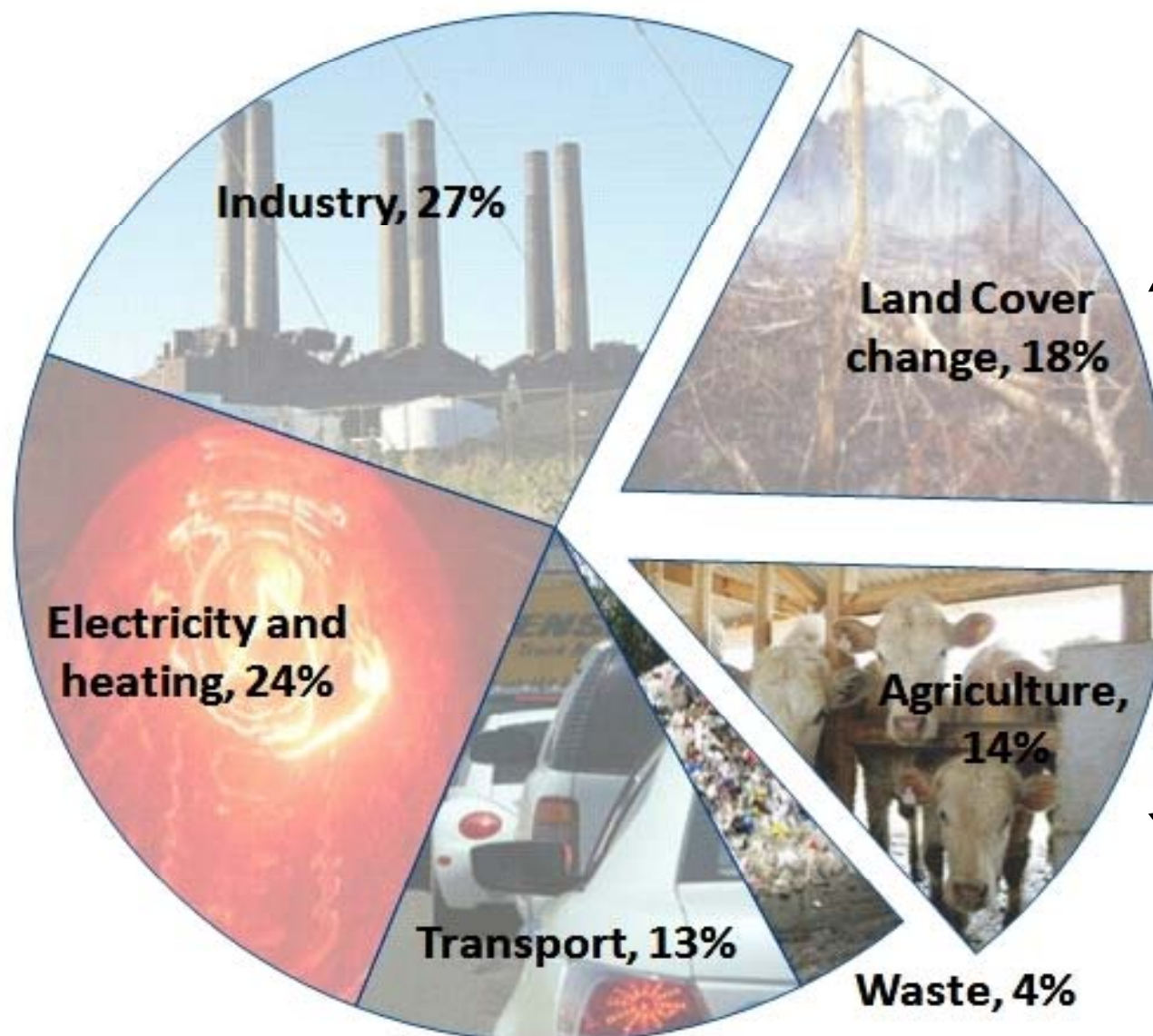
To 2090, taking 18 GCMs



**Length of
growing period
(%)**



*Thornton et al. (2010) ILRI/ CCAFS
Phil. Trans. R. Soc. B*



Agriculture
contributes
nearly a
third of
GHGs

Food Security

Adaptation

Mitigation



Meridian Institute

Connecting People to Solve Problems



Message 1:

Agriculture is unique in its THREE KEY roles
– need a forum/process to rapidly advance
our understanding and implementation of a
“new” agriculture

Alternate-Wetting-and-Drying (AWD)



30% water



25-50% GHG

Yield not compromised



What are the incentives to change irrigation practice?



Message 2:

Many technologies and practices are available – key next step is to provide the appropriate incentives to farmers



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CHANGE
AGRICULTURE AND
FOOD SECURITY

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