

# CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS)



RESEARCH PROGRAM ON  
Climate Change,  
Agriculture and  
Food Security



Bruce Campbell, Program Director



# SDG goals

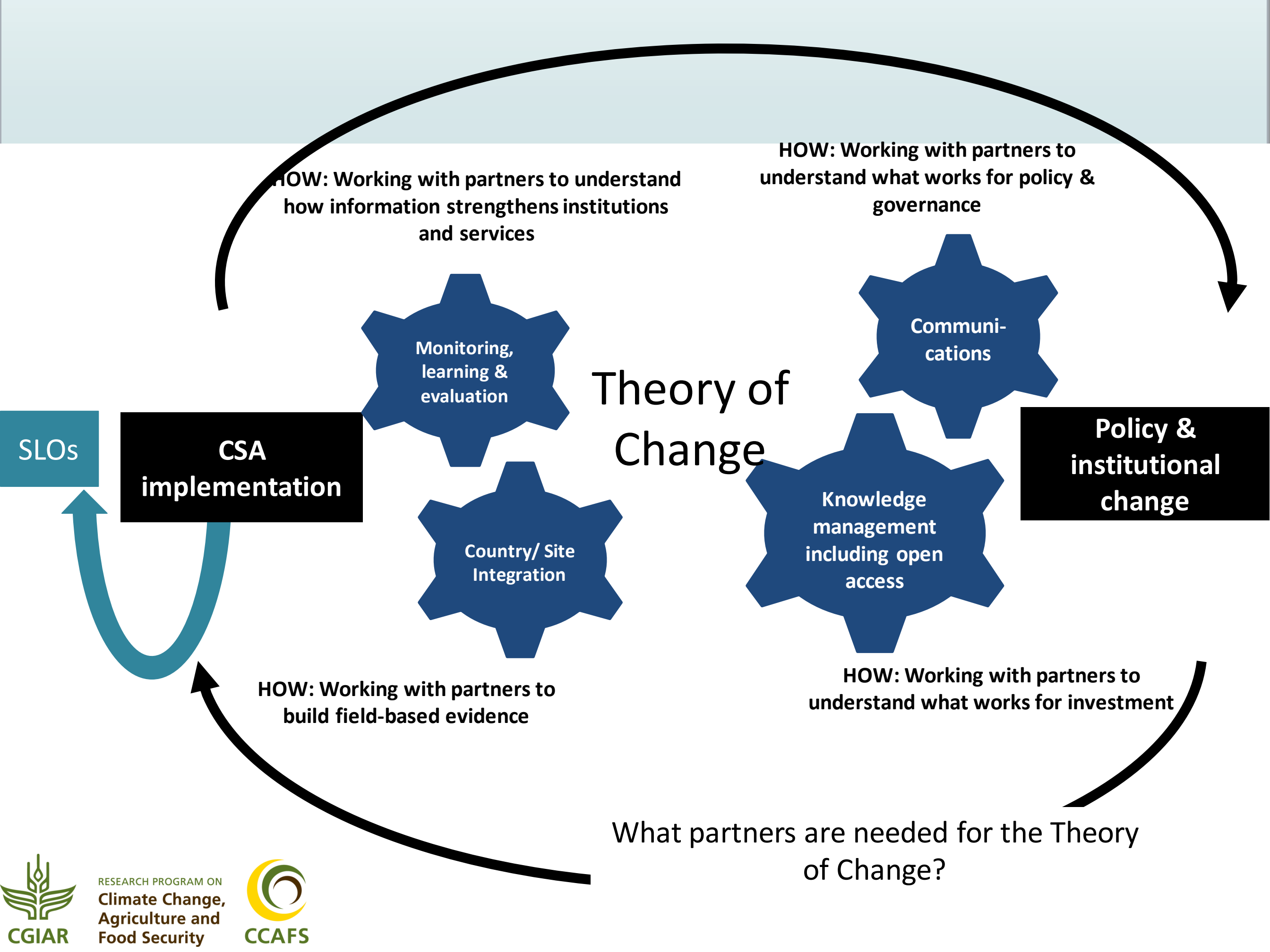


- Enable adaptation to deal with long-term change and extreme events
- Improve human and institutional capacity on climate change mitigation, adaptation, early warning
- Embed climate change in national policies and planning
- Secure effective finance

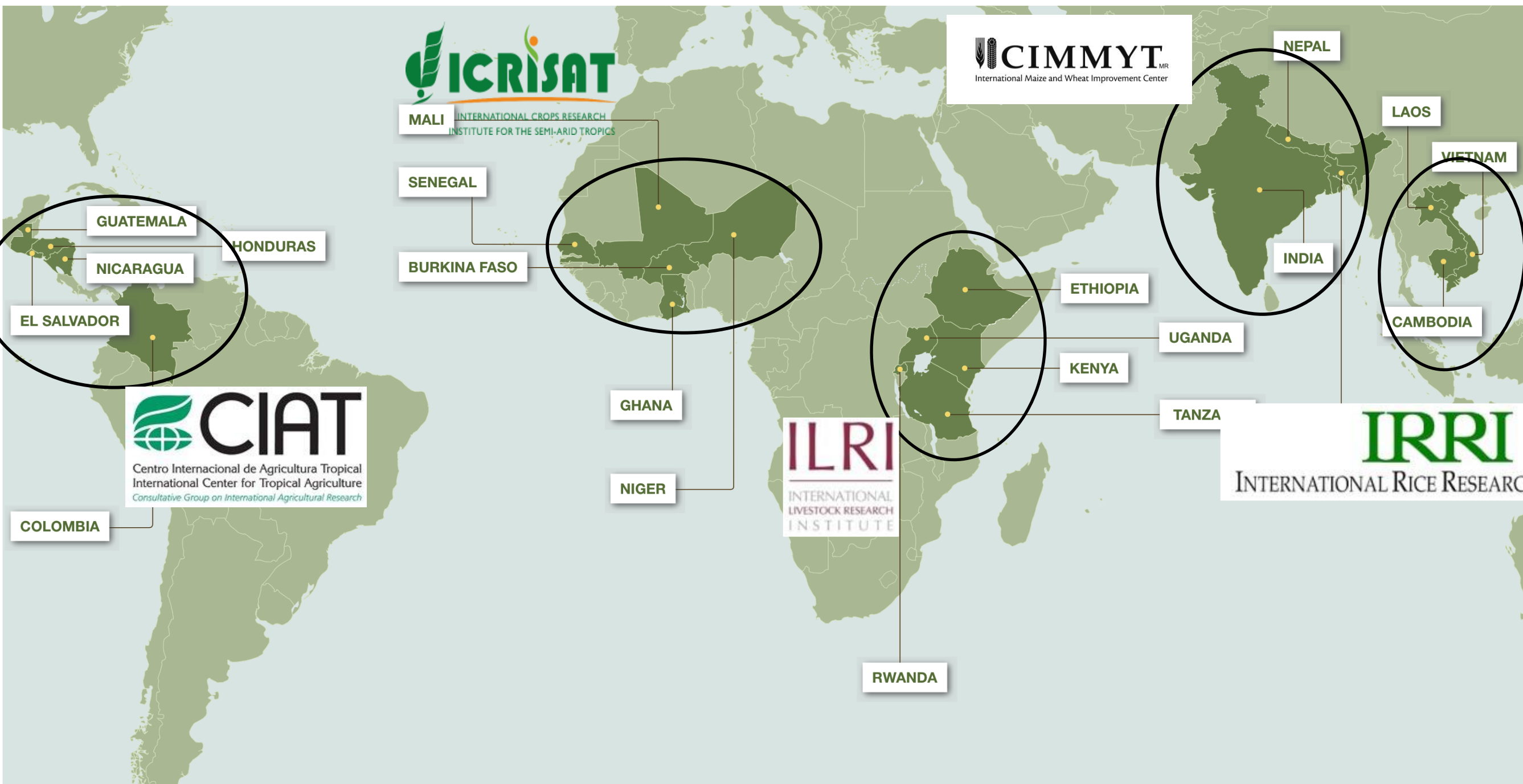


# System level outcomes (SLOs) ... by 2022

SLO: Reduced poverty	SLO: Improved food and nutrition security for health	SLO: Improved natural resource systems and ecosystem services
<p>11 million farm households have adopted improved varieties, breeds or trees, and/or improved management practices</p> <p>9 million people, of which 50% are women, assisted to exit poverty</p>	<p>6 million more people, of which 50% are women, without deficiencies of one or more essential micronutrients</p>	<p>160 Mt CO<sub>2</sub>e yr<sup>-1</sup> reduction of agriculture-related GHG emissions (4%) compared with the BAU scenario in 2022</p> <p>0.8 million ha of forest saved from deforestation</p>



# CCAFS target countries



Commitment to country coordination

- CSA science-policy platforms
- Climate-smart villages



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## Flagship Program 1

 **Priorities and Policies**  
for Climate-Smart Agriculture

**ILRI**  
INTERNATIONAL  
LIVESTOCK RESEARCH  
INSTITUTE

## Flagship Program 2

**Climate-Smart**  
Technologies and Practices 

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

## Flagship Program 3

 **Low Emissions**  
Development

**GUND INSTITUTE**  
FOR ECOLOGICAL ECONOMICS

## Flagship Program 4

**Climate Services**  
and safety nets 

**IRI** The International Research Institute  
for Climate and Society

Climate-smart agriculture, gender and social inclusion

Partnerships and capacity for scaling CSA

**CoA 1.1 Ex-ante evaluation and decision support for climate-smart options**

**CoA 2.1 Participatory evaluation of CSA technologies and practices in CSVs**

**CoA 3.1 Quantifying GHG emissions from smallholder systems**

**CoA 4.1 Climate information and early warning for risk management**

**CoA 1.2 Food and nutrition security futures under climate change**

**CoA 2.2 Evidence, investment planning and application domains for CSA technologies and practices**

**CoA 3.2 Identifying priorities and options for low-emissions development**

**CoA 4.2 Climate information and advisory services for agriculture**

**CoA 1.3 Enabling policy environments for CSA**

**CoA 2.3 Equitable sub-national adaptation planning and implementation**

**CoA 3.3 Policy, incentives and finance for scaling up low emissions practices**

**CoA 4.3 Weather-related agricultural insurance products and programs**



Utrecht University

**CoA 2.4 Business models, incentives and innovative finance for scaling CSA**



**WAGENINGEN**  
UNIVERSITY & RESEARCH

**CoA 4.4 Climate services investment planning and policy**

# This week



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- Reflect on what has been achieved
- Reflect on what needs to change
- Open to change
  - ISC ask us to think about:
    - Rural development trajectories, urban-rural linkages.....
    - Beneficiaries (hanging in, stepping up, stepping out.....
    - Countries/regions
    - What should we be doing in CSVs..... Too much business as usual? What are the novel research angles?
- Having an interesting / stimulating week