

CCAFS' capacity building activities



RESEARCH PROGRAM ON
Climate Change,
Agriculture and
Food Security



Meryl Richards, CCAFS Low Emissions Development Flagship



CCAFS and CGIAR capacity building for mitigation

1. CLIFF-GRADS Fellowships

- Scholarship program for graduate students to quantify emissions

2. MRV

- Livestock MRV
- Agroforestry MRV

3. Other NDC support

Feasibility and investment assessment

4. Mazingira Center–ILRI

Graduate students, technicians, scientists, farmers

1. Climate Food and Farming - Global Research Alliance Development Scholarships (CLIFF-GRADS)

- Joint initiative of CCAFS and the GRA
- ~USD 10,000 fellowships
- For early-career scientists and graduate students from developing countries
- To conduct applied research on climate change mitigation in agriculture and quantification of agricultural greenhouse gases
- Generates novel climate change research on smallholder farming systems and facilitates South-South knowledge exchange
- At least half of all fellowships to women
- Collaboration with GRA initiated in 2017, building on CCAFS CLIFF network
- Support provided by CGIAR Trust Fund and bilateral donors, including New Zealand and United States.



Current CLIFF–GRADS calls

Two calls for student proposals are open through September 30, 2018: 1) agricultural production and 2) food loss and waste.

1) Agricultural production CLIFF-GRADS call

- 34 host opportunities, including 8 CGIAR centres or programmes, 9 national agricultural research organisations, and 11 universities or other organisations.
- Host institutions represent 22 countries
- 2017 call received 65 applications, expecting many more this time.

2) CLIFF-GRADS Food Loss and Waste call

- up to 10 scholarships available

Deadline for both calls: 30 September

For agricultural production: <https://ccafs.cgiar.org/about/careers-and-calls/cliff-grads-scholarships-short-term-scientific-training-and-research-stays#.W5bTEy2B3EZ>

For FLW: <https://ccafs.cgiar.org/about/careers-and-calls/cliff-grads-scholarships-short-term-scientific-training-and-research-stays>



2. MRV of Livestock emissions

CCAFS Report No. 17

Measurement, reporting and verification of livestock GHG emissions by developing countries in the UNFCCC: current practices and opportunities for improvement



Andreas Wilkes
Andy Rossinger
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- Collaboration with UNIQUE Forestry, GRA and FAO
- Review of MRV practices: report and workshop (2017)
- Compilation of practices, in progress (to be completed 2018)
- Activity gap filling guidance, workshop (2018) and report (2019)

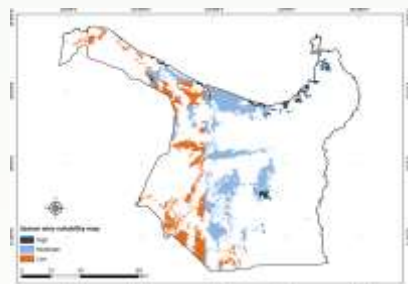
Review of agroforestry MRV in press

3. CCAFS' Support for Countries' NDCs

Feasibility of rice LED options and investment plan for AWD in Vietnam



Comprehensive, comparative analysis of potentially viable LED practices and their supporting interventions within the rice supply chain



Geographic suitability



Barriers



Incentives, enabling conditions

Prioritize interventions, identify instruments to encourage large-scale adoption

Investment plan for AWD

Policy gap analysis

Identification of policy levers to incentivize adoption

Costs, benefits and risk analysis

Quantification of investment needed

Identification of international funding sources

1. Domestic investment plan for AWD and mid-season drainage
2. Outline for international investment proposal for AWD

4. Mazingira Centre- ILRI

Laboratories with state-of-the-art equipment to measure livestock emissions, soil C sequestration, plant nutrient contents etc.

The Mazingira Centre invests in capacity development at different levels:

- Drawing MSc and PhD students from across Africa and beyond
- Training local technicians
- Mentoring Africa's future environmental and agricultural production scientists through sabbaticals and workshops
- Training smallholder farmers on basic agricultural interventions that increase productivity, ensure climate resilience and reduce the environmental footprint



Thank you!



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Bruce Campbell

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

<https://ccafs.cgiar.org/flagships/low-emissions-development>

<https://ccafs.cgiar.org/our-work/capacity-enhancement#.W5bZ1i2B3EY>

