

CLIMATE-SMART
Agriculture
2015



Global Science Conference

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Le Corum, Montpellier France

Feedback Session on L.2.1 to L.2.5: “Climate-smart strategies”

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- Montpellier
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Feedback from Parallel sessions L2

« *Climate-smart Strategies* »

Parallel session L2.1: Developing and evaluating climate-smart practices

Chair: Munyaradzi Chitakira

Parallel session L2.2: Facing climatic variability and extremes

Chair: Arona Diedhiou

Parallel session L2.3: Combining mitigation, adaptation and sustainable intensification

Chair: Ken Cassman

Parallel session L2.4: Breeding and protecting crops and livestock

Chair: Louise Jackson

Parallel session L2.5: Overcoming barriers: policies and institutional arrangements to support CSA






Chair: Allison M. Chatrchyan

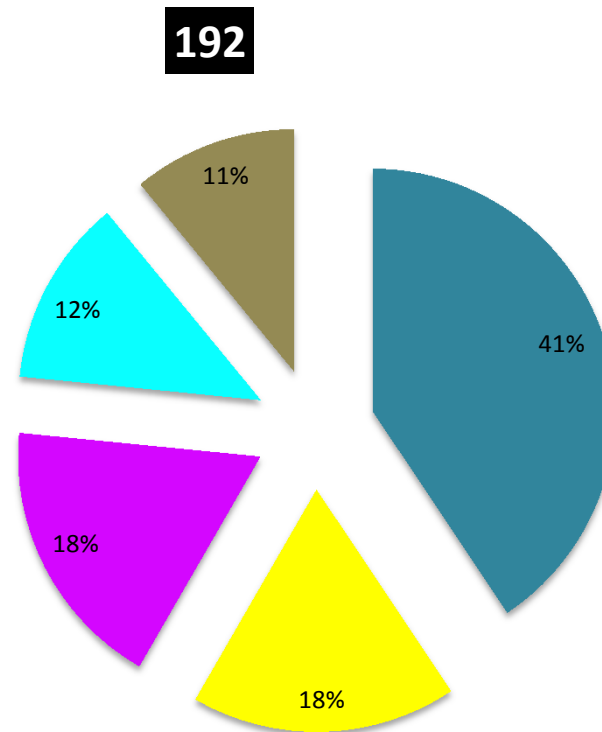
Key figures from Posters sessions

Number of
Posters

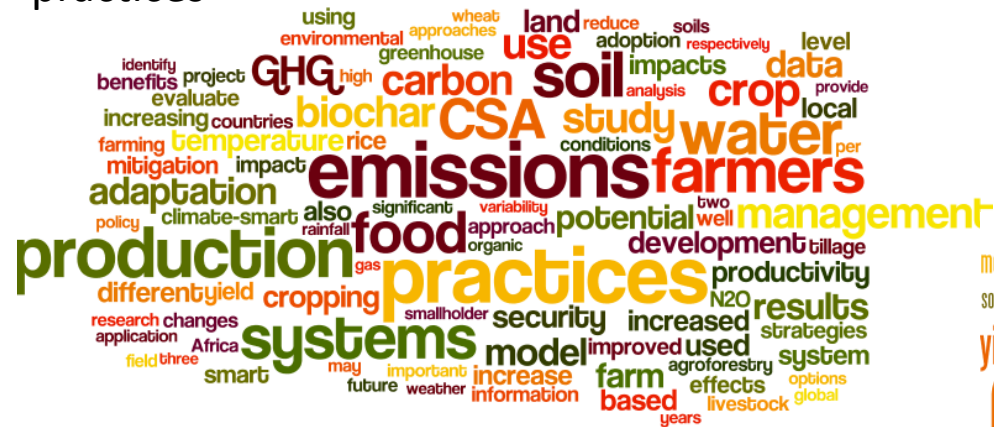
Total number for Session “Climate-smart strategies”

Distribution within the 5 sub-sessions

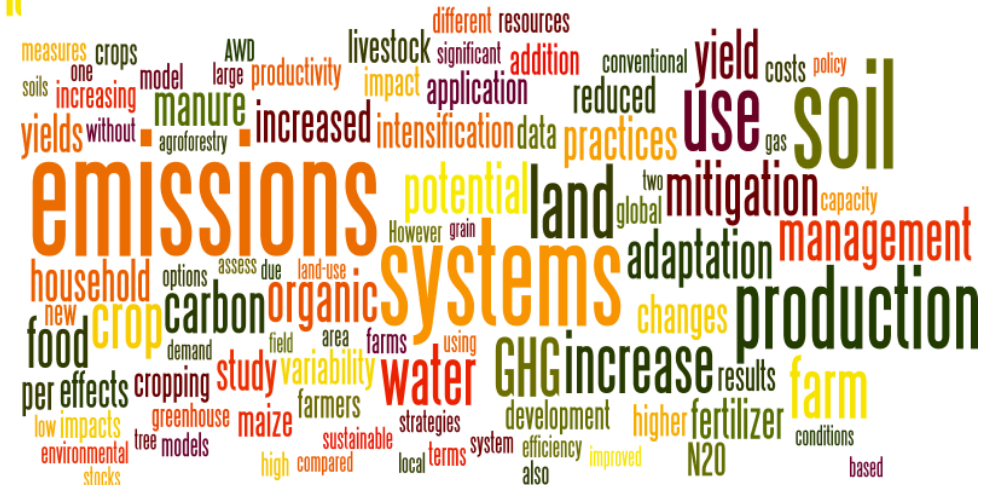
-  L2.1 Developing and evaluating climate smart practices
-  L2.2 Facing climatic variability and extremes
-  L2.3 Combining mitigation, adaptation and sustainable intensification
-  L2.4 Breeding and protecting crops and livestock
-  L2.5 Overcoming barriers: policies and institutional arrangements to support CSA



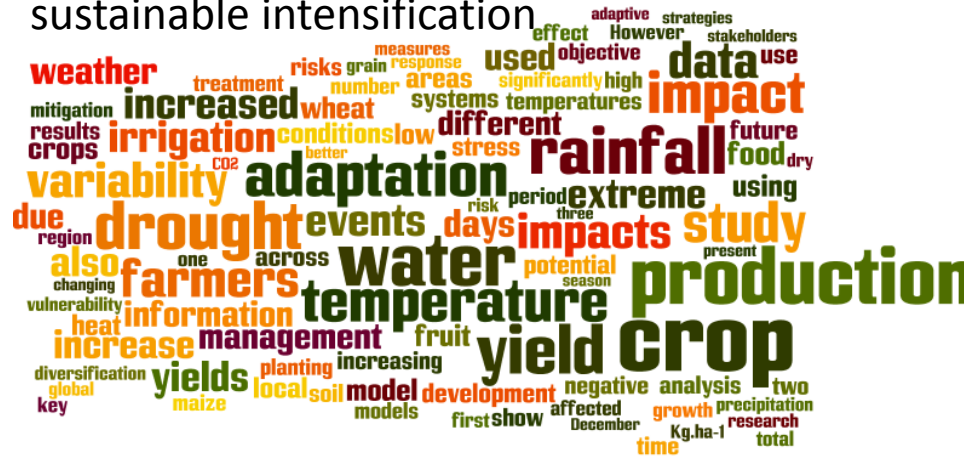
L2.1 Developing & evaluating climate smart practices



L2.2 Facing climatic variability & extremes



L2.3 Combining mitigation, adaptation & sustainable intensification



L2.4 Breeding & protecting crops & livestock



L2.5 Overcoming barriers: policies and institutional arrangements to support CSA



ALL POSTERS IN L2

1. Key scientific and societal issues
 - Mixed approaches for analysis of impacts; either adaptation or mitigation
2. Major trends
 - Risk of transition as a challenge. Many options, which ones? Which barriers?
3. Knowledge gaps and research needs
 - How to deal with the transition CSA creatively
 - Effective spatial & temporal framework; info needed to scale up or down for a specific context or place; heat stress + CO2 + drought complexity
4. Any missing topic
 - How to set CSA priorities in different contexts, sharing across sectors
 - Explicit ecosystem services framework – societal issues
5. Divergent views
 - Should we focus more on under-utilized crops; should we focus more on systems or landscapes... Recycling old themes under CSA umbrella

L2.4 Breeding and protecting crops and livestock



1. Key scientific and societal issues
 - Importance of genetic variation and knowledge of env.-genetic interactions
 - Building geographic and climatic variation data sets related to genetic variation
2. Major trends across oral presentations
 - Rich and abundant genetic and genomic data; high-through put phenotyping
 - Analogs for climate change based on spatial and temporal data sets
3. Knowledge gaps and research needs
 - Loss of ecotypes due to climate change, incl. wild relatives
 - How to use existing ecotypes most wisely
4. Any missing topic (based on your expertise)
 - Using genotypic differences in global crop modeling to portray adaptation potential
 - Participatory plant breeding
 - How to breed for complex populations and crop mixtures
5. Divergent views, if any
 - How open should data sets be esp. with private companies?

L2.5 Overcoming barriers: policies and institutional arrangements to support CSA



1. Key scientific and societal issues
 - Adoption of CSA practices remains low; Need for stronger institutions; Systematic analysis of barriers to adoption
2. Major trends across oral presentations
 - Institutional barriers include ag specific and societal (lack of investment in research, education, training, infrastructure, land use planning)
 - Specific barriers include lack of CSA Info, high adoption risk, supply and technology issues, open data, research & extension capacity
3. Knowledge gaps and research needs
 - Appropriate Scaling of Intl/Natl Priorities down to Farm-level, scaling up practical needs to research and Policy.
 - What is Extension Capacity in each country; Capacity building
4. Any missing topic (based on your expertise)
 - Systematic definition of CSA adaptation practices
 - How to fully engage stakeholders