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| **Second International Workshop of the Knowledge Action Group** |
| **Date and time: 17 June 2016, 09:00 – 12:30 hrs** |
| **Venue FAO HQ, Rome**IntroductionThe Knowledge Action Group (KAG) of the Global Alliance for Climate Smart Agriculture (GACSA) is one of the three action groups supported by the Alliance. GACSA members have identified KAG objectives to be: increasing and promoting knowledge, research and development into technologies, practices, and policy approaches for climate-smart agriculture; practices and technology sharing and cooperation; improving communication and information sharing among participants; and outreach, extension, and technical assistance. In accordance with these objectives, the KAG in consultation with over 800 stakeholders from farmer organizations, civil society organizations, private sector, research organizations, country governments, and international organizations via discussions held at the CSA Science Conferences in Wagheningen (2011), U.C. Davis (2013), and the KAG online consultations and workshops, have identified the following priority work areas:* Technical interventions and practices in CSA
* Evidence base of CSA
* Support, services and extension for CSA
* Inclusive knowledge systems for CSA
* Integrated planning and monitoring for CSA

The KAG is facilitated by a group of 11 facilitators:1. The Agricultural Model Intercomparison and Improvement Project (AgMIP)
2. Asian Farmers' Association for Sustainable Rural Development (AFA)
3. CGIAR research program on Climate Change, Agriculture and Food Security (CCAFS)
4. Centre de Cooperation Internationale en Recherche Agronomique pour le Développement (CIRAD)
5. Colorado State University
6. Technical Centre for Agricultural and Rural Co-operation (CTA)
7. Food and Agriculture Organization of the United Nations (FAO)
8. Government of Nigeria
9. Government of Spain
10. Global Forum on Agricultural Research (GFAR)
11. UK-China Sustainable Agriculture Innovation Network (SAIN)

The facilitators coordinate the delivery of the KAG work plan, with inputs from a wide range of contributors.In the inception year, the KAG was co-convened by CCAFS and FAO. Following the Annual Forum, the KAG will be co-convened by CIRAD and FAO. ObjectivesThis international workshop is being organized by the FAO, CGIAR/CCAFS and CIRAD, with the aim of securing inputs from participants in order to organize the work of the KAG for the next 2 years. The focus will be on securing inputs from participants on the knowledge priorities for CSA and to develop partnerships to make these priorities possible. The activities identified at the workshop will form inputs into the development of the KAG’s work plan for 2016-2017. The workshop will build upon the outputs of the first workshop, “International Workshop of the Knowledge Action Group”, held in Montpellier, March 2015, organized by CCAFS, FAO, and CIRAD. The workshop brought together around 100 participants from Governments, research institutions, farmer organizations, civil society organizations, and the private sector to determine the knowledge priorities for CSA and partnerships to make these priorities possible. The priorities and outputs identified at the workshop formed inputs into the Knowledge Action Group’s work plan for its inception year. Expected OutcomesThe expected outcomes from this workshop are:- KAG priorities and products for next 2 years are identified- Partnerships to achieve set priorities are formed- The key elements for a work plan for 2016-2017 are identified |
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#  Agenda

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| 09:00-09:05 | Introduction of speakers and agenda *(Anette Friis, CCAFS)* |
| 09:05-09:20 | Priority work areas/products identified in the consultations and next steps for the KAG work plan *(Federica Matteoli, FAO)* |
| 09:20 - 09:30 | Q&A*(Facilitator: Anette Friis, FAO, Rapporteur: Julian Schnetzer, FAO)* |
| 09:30-10:45 | Facilitated discussions in 5 sub-groups on priority work areas identified**Sub-group 1: Technical interventions and practices in CSA (e.g. practice briefs)***Facilitator: Meryl Richards, CCAFS* *Rapporteur: Luisa Volpe, WFO***Sub-group 2: Support, services and extension for CSA (e.g. extension products)***Facilitator: Simone Sala, FAO**Rapporteur: Elisabeth Simelton, ICRAF***Sub-group 3: Evidence base for CSA (channeling knowledge inputs into country case studies on CSA)***Facilitator: Margaret Walsh, USDA**Rapporteur: Germana Borsetta, FAO***Sub-group 4: Inclusive knowledge systems for CSA (e.g. elements of a research agenda for CSA):***Facilitator: Emmanuel Torquebiau, CIRAD**Rapporteur:* *Naaminong Karbo, Ghana CSA Science-Policy Platform***Sub-group 5: Integrated planning and monitoring for CSA (e.g. metrics for CSA)***Facilitator: Todd Rosenstock, ICRAF**Rapporteur: Rob Bertram, USAID* |
| 10:45 – 11:15 | Coffee break |
| 11:15-11:40 | Report back from sub-groups (Report back from each of the 5 rapporteurs) and identifying proposals for 2016-17 work plan. Facilitator: *Anette Friis, CCAFS*Rapporteur: *Julian Schnetzer, FAO* |
| 11:40 – 12:15 | Discussion  |
| 12:15-12:30 | Next steps and closing (FAO and CIRAD) |

# Description of sub-groups

Ahead of the GACSA Annual Forum, KAG launched a call for institutions and entities who could voluntarily lead the development of specific knowledge outputs in one of the KAG’s priority work areas:

* **Technical interventions and practices in CSA**
* **Integrated planning and monitoring for CSA**
* **Inclusive knowledge systems for CSA**
* **Evidence base of CSA**
* **Support, services and extension for CSA**

Proposals received in response to this call, as well as any additional proposals will be discussed during this workshop. Proposals include outputs such as practice briefs, reports, case studies, workshops etc., with the aim of furthering the knowledge base for Climate-Smart Agriculture (CSA).

The discussions will be structured in sub-groups corresponding to each priority work area. Each sub-group will have a facilitator to facilitate discussions and a rapporteur to summarize discussions and report back in the plenary session.

**Sub-group 1: Technical interventions and practices in CSA (e.g. practice briefs)**

*Facilitator: Meryl Richards, CCAFS*

*Rapporteur: Luisa Volpe, WFO*

This sub-group will focus on technical interventions and practices in CSA. The key knowledge products identified under this area were practice briefs.

**Practice briefs**: Inform policymakers and investors about (i) technical interventions and methodologies for successful CSA implementation as well as (ii) approaches to help create an enabling environment for CSA. The KAG has produced practice briefs on Alternate Wetting and Drying, Conservation Agriculture, Site-Specific Nutrient Management, Integrated Soil Fertility Management, Coffee-Banana Intercropping, Integrated Manure Management and Gender responsive approaches to CSA.

**Proposals received:**

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| **Output type** | **Topic** | **Organization** | **Contact person** | **Delivery date** |
| Compendium | Climate-smart irrigation | FAO, ICARDA | Julian Schnetzer | Dec 2016 |
| CSA Practice Brief | Field-scale water harvesting | FAO, ICARDA | Julian Schnetzer | Dec 2016 |
| CSA Practice Brief | Quesungual and Kuxur Rum – climate-smart agroforestry systems for semi-arid areas | FAO | Julian Schnetzer | Dec 2016 |
| CSA Practice Brief | Agroforestry | CCAFS, FAO, ICRAF | Meryl Richards |  |
| CSA Practice Brief | Climate-smart forest management | FAO | Julian Schnetzer | Dec 2016 |
| CSA Practice Brief | Forest landscape restoration | FAO | Julian Schnetzer | Dec 2016 |
| CSA Practice Brief | Livestock | CCAFS, GRA, ILRI, FAO | Meryl Richards, CCAFS | Dec 2016 |
| CSA Practice Brief | Biodigesters | CCAFS, System Biobolsa | Meryl Richards, CCAFS | Dec 2016 |
| CSA Practice Brief | Animal breeding | GRA | Andy Reisinger, GRA | Dec 2016 |
| CSA Practice Brief | Diversified maize systems in Southern Africa | IITA | Laurence Jassogne, IITA | Dec 2016 |
| CSA Practice Brief | Intensification for conservation in DRC | IITA | Laurence Jassogne, IITA | Dec 2016 |
| CSA Practice Brief | Index-based insurance | CIMMYT | Jon Hellin, CIMMYT | Dec 2016 |
| CSA Practice Brief | Climate resilient maize germplasm: targets, approaches and scaling out | CIMMYT | Jill Cairns, CIMMYT | Dec 2016 |
| Guide | Nutrient Management Guide | WFO | Luisa Volpe, WFO | Dec 2016 |

Participants are invited to contribute to the practice briefs identified, and also suggest practice briefs on additional topics.

**Sub-group 2: Support, services and extension for CSA (e.g. extension products)**

*Facilitator: Simone Sala, FAO*

*Rapporteur: Elisabeth Simelton, ICRAF*

This sub-group will focus on support services and extension for CSA. A set of extension tools to clearly communicate technical information on CSA, ready for extension staff to share with relevant stakeholders (initially, farmers and governments). The first online consultation noted that extension support was most urgently needed by farmers and governments in the areas listed below.

* Governments - Decision tools for prioritizing CSA investment options
* Governments - Low emissions development pathways for agriculture
* Governments - Early warning systems
* Governments - Climate information services
* Governments - Risk management
* Farmers - Early warning systems
* Farmers - Risk management
* Farmers - Decision tools for prioritizing CSA investment options
* Farmers - Climate information services
* Farmers - Weather insurance and other safety nets

After the Montpellier workshop, the participants decided to concentrate efforts on 1) report of existing extension, support and adaptation tools as well as knowledge media to support extension services, and consult among users to identify farmer-centred needs for new knowledge products; 2) report of existing example of successful index-based insurance for scaling up. In the forthcoming years, training with farmer extension intermediaries for climate services in agriculture has been indicated as an output by Agromet Vision. Participants are invited to contribute to this effort, and identify additional outputs and activities in this area.

**Sub-group 3: Evidence base for CSA (e.g. case studies on CSA)**

*Facilitator: Margaret Walsh, USDA*

*Rapporteur: Germana Borsetta, FAO*

The sub-group will focus on developing an inventory of CSA case studies, documenting the implementation of CSA interventions on the ground. Case studies present CSA initiatives which have used a number of practices and/or technologies (e.g. the interventions described in the CSA Practice Briefs) in a specific context, sharing information on successes and challenges. Participants are invited to contribute to this inventory of CSA case studies as well as to suggest additional outputs and activities in this area. This will be a joint activity with the Enabling Environment Action Group.

**Sub-group 4: Inclusive knowledge systems for CSA (e.g. guidelines on inclusive knowledge systems)**

*Facilitator: Emmanuel Torquebiau, CIRAD*

*Rapporteur: Naaminong Karbo, Ghana CSA Science-Policy Platform*

During the first online consultation, priorities for improving knowledge systems for effective CSA were identified. The top three priorities were to: 1. Strengthen farmers’ inclusion and leadership in CSA knowledge systems (with a special focus on women farmers); 2. Give greatest support to local and indigenous knowledge systems; 3. Maximize cross-country learning, particularly ‘south-south’ exchange. During the inception year, CIRAD organized the CSA science conference in Montpellier, and based on this, developed *“Elements for designing relevant research agenda for CSA”*. Discussions in the sub-group will focus on finalizing/updating the document and agreeing on next steps.

**Sub-group 5: Integrated planning and monitoring for CSA (e.g. metrics for CSA)**

*Facilitator: Todd Rosenstock, ICRAF*

*Rapporteur: Rob Bertram, USAID*

In the inception year, this sub-group focused on the following areas, which has been summarized in a report.

i. A plan for an inclusive process on metrics development, based on multi-donor process on indicators, and report back to GACSA

ii. Data and models: An action plan for two-way benefits, to improve data quality, quantity, demand driven models, and integrated models

iii. Compendium of farm level practices

iv. Online community of practice that builds on existing MICCA and AgLinks communities

For forthcoming years, outputs proposed include the development of CSA X-rays led by ICRAF, Compendium of farm-level practices with a focus on low emissions development led by CCAFS, in addition to the general compendium of farm level practices (ICRAF, FAO, CCAFS). A report on approach to results-based management of CSA (being piloted by CCAFS) has also been proposed. Participants are invited to contribute to the development of these outputs, as well as to suggest additional outputs and activities in this area.

Discussions at the workshop will be structured around the 5 work priorities identified, and participants should choose the area that they are interested in. Participants can contribute to identified products, and also suggest other outputs and activities under the priority work areas.