

AgMIP Coordinated Global and Regional Assessment of Climate Change and Food Security

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- **ICAR, SAUs, NGO, CG and other International Institutions, CCAFS**
- **NPCC, NICRA**
- **AgMIP pilots-wheat, rice, maize, potato, regional studies**
- **PARTNERSHIPS: what is the current 'state of play'? who are the key institutional stakeholders we need to involve, at regional and national levels?**
 - **Under National Innovations on Climate Resilient Agriculture we have a multi-Institutional linkage covering crops, hydrology, livestock, fish etc.**
 - **Institutional stakeholders –National and State Governments, developmental institutions, NGOs, SAUs, KVKs, farmers,**
 - **IARI (lead centre for integrated analysis) for policy inputs and address the research and developmental priorities**

- **CHALLENGES: which models are used, how and by whom? what are the key data, capacity, scaling, trans- disciplinary issues that can be addressed in the short / medium term? how can they be addressed?**
 - **Use climate model outputs, crop models (InfoCrop, DSSAT and APSIM), hydrological models (PRISM, SWAT, etc for some selected basins), Economic (D-D model-HH level, TOA), fish and livestock (empirical models)**
 - **Interested for AgMERRA short term future probabilistic scenarios/ projections**
 - **Short-term climatic variability and extreme event effects are very important ;**
 - **Major 3-4 crops/cropping systems**
 - **Data: Soil, weather, generic crop management, cultivar**

- **LEVERAGING: how to marshal existing work and related initiatives? what are potential existing or emerging national / regional funding and support opportunities?**
 - **We have funding for integrated assessments and man power (initiated in 2015 in NICRA).**
 - **Need to seek more funding for additional manpower/international travel**
 - **Can try some national /international sources**
 - **Can go ahead with project pilot studies**

IMPLEMENTATION: how do we connect CGRA to our countries, regions? how do we mainstream CGRA into regional & national policy and scientific spaces? which institutional arrangements for effective, legitimate implementation and agency?

Sort-term climatic variability and extremes

Regional SSPs, RAPs

Land use for future

Linkage with IARI (lead for simulation analysis in NICRA in ICAR)