

## Theme1:

### A. Water availability and agricultural production including fisheries and Aquaculture in a changing climate

[A1] Growing demands for the world's water resources to meet human, economic and environmental needs, monitoring and assessments.

[A2] A global surface and ground water crisis leading to unsafe water and sanitation.

[A3] Impact of climate change on the water cycle: field experiments, hydrological processes, modelling and simulations.

[A4] Impacts of climate change on agricultural production, fisheries and agriculture communities.

[A5] Sustainable development and integrated allocation and management of water resources and fish germplasm.

[A6] Improving the efficiency and effectiveness of agricultural water use.

[A7] Agricultural risk management: for farmers, communities and the environment

**Action:  
Assessments,  
Accounting, Budgeting,  
Foot prints, modeling  
and simulations**