

Working Group 3

Current capabilities in the analysis
of climate risks and adaptation

Conclusions

- Currently there are a wide range of indices characterizing various types of droughts, and there is no standardized indices that are universally acceptable.
- In the light of climate change there is likelihood of floods and land slides in many vulnerable regions, and yet there does not seem to be a critical analysis.

Conclusions cnt.

- Certain crops at certain phenological stages are highly susceptible to heat waves, and there does not appear to be an operational warning system.
- Despite the availability of reasonably good frost warning systems, currently frost protection systems could not be employed being expensive.

Conclusions cont.

- Cyclones/hurricanes do cause structural damages (farm implements, animals and crops) and there does not seem an adequate assessment on agriculture, forestry and fisheries.
- Although the risk of forest fires under the face of climate change is increased, there is no seasonal forecast in controlling the forest fires in the areas at risk.

Recommendations

- There is an urgent need to undertake a comprehensive review of the existing drought indices, and recommend a limited set of indices that is universally acceptable and could serve the need of different regions and classes of drought.
- The current knowledge on floods and land slides needs to be translated in operational management systems that government and agencies could adopt.

Recommendations cont.

- There are currently heat wave warning systems for humans. It is recommended that these systems should be applied for crop health.
- There is a need to develop cost effective frost operational systems, and raise awareness among the farmers about the frost damages.

Recommendations cont.

- Assessment of impacts of cyclones/hurricanes in agriculture, forestry and fisheries needs to be undertaken systematically to develop the operational system as to how they can limit the losses to their property, farms and farm animals.
- Seasonal climate outlook fora that are organized in different parts of the world should include forecasts for the risks of forest fires in their agenda, and it is encouraged that forest fire fighting community should be a part of the user community in these fora.

Recommendations cont.

- In the light of increased incidence of locusts there is a need of most comprehensive information that could assist the locust-control community.

Thank You for Your attention