



World Meteorological Organization
Working together in weather, climate and water

THE WMO CLIPS PROJECT : A GLOBAL FRAMEWORK FOR SEASONAL FORECAST APPLICATIONS

Climate Prediction and Adaptation Branch
Climate and Water Department
World Meteorological Organization
Geneva, Switzerland



Climate Application

- Climate information used for more than just curiosity value
- Climate information that influences decision making
- Climate information that is effectively converted into 'climate knowledge'

Unless the information provided positively influences at least one decision, it has NO VALUE

(Holger Meinke, 2007)



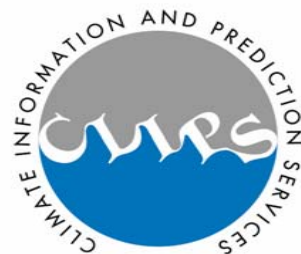
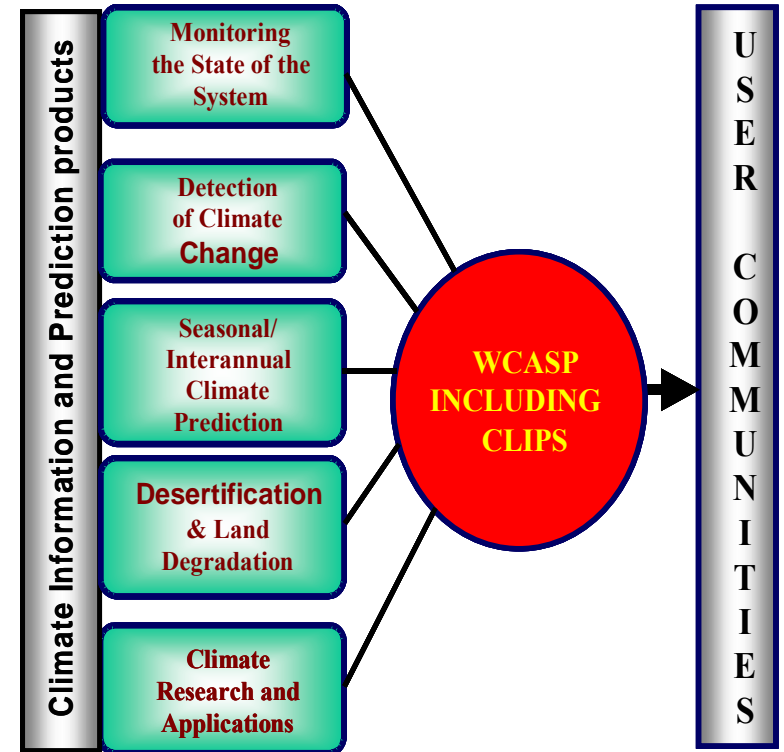
Value of Climate Information and Services to Society

- the nature of the dependence of socio-economic activities on climatic factors
 - reliability of climate products including awareness of the associated uncertainties and their implications to decision-making
 - accessibility of credible and useful climate information for decision making
 - liaison between users and climate information providers
 - the ability of users to act on the basis of climate information
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World Climate Applications and Services Programme (WCASP) & CLIPS

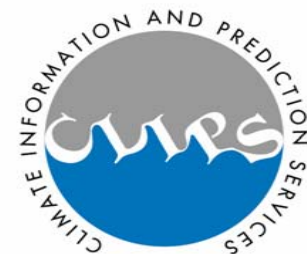
- WCASP & CLIPS aim to provide an essential link between climate prediction/information and their applications:
- Primary objectives:
 - to develop the capacity of the National Meteorological and Hydrological Services (NMHSs) to take advantage of recent advances in the science of climate and in the processing and dissemination of climate information, and
 - to pass on the benefits of the improved climate services to the user community.





Climate Products, Information and Services

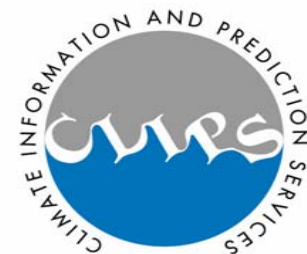
- Databases of information gathered over many years
- Predictions of climate variability over the next season or two (seasonal to inter-annual forecast)
- Analyses and assessments based on the observed climate data are ‘information’
- Climate information is usually just one of a number of elements in the decision making matrix
- The term “services” refers to the delivery of climate information and predictions from the scientific sources to end-users
- A service is a service only when it is used; our goal is to make people use climate services in real-world context





CLIPS Main Tasks

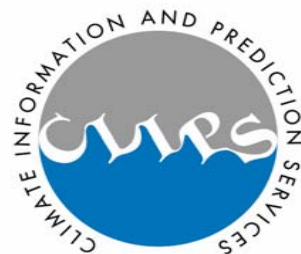
- Enhance capacity of NMHSs in SIPs and their applications
- Develop guidelines and methodologies on SIPs and applications on climate sensitive sectors and systems
- Provide users with information based on new scientific understanding and establish links between providers of and users of SIPs
- Work closely with international research community, especially WCRP, to exploit latest research advances as well as to address research needs.





Capacity Building

- Establish CLIPS Focal Points;
- Foster global/regional networking of CLIPS Focal Points;
- Conduct CLIPS Training Workshops;
- Develop CLIPS training Curriculum;
- Engage end-users through workshops, projects and Regional Climate Outlook Forums (RCOFs).





CLIPS Focal Points

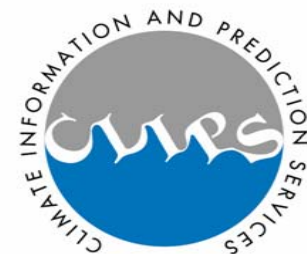
CLIPS Focal Points:

- ensure national and regional coordination of climate information and prediction products.
- report on national and regional CLIPS activities and share the reports through the WMO portal.
- are a global network of experts specially trained in climate science, statistical modelling and prediction, applications and project management.



Participants of the CLIPS Training Workshop for Eastern and Southern Africa, August 2002

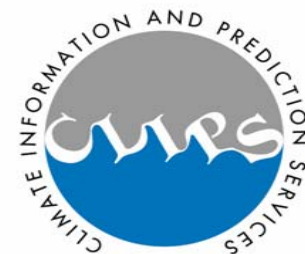
CLIPS activities within regions around the world are coordinated through regional working groups on climate related matters (WGCRMs)





Applications

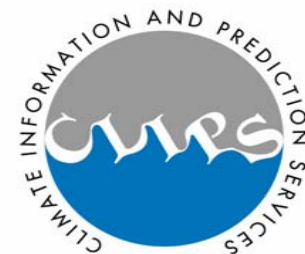
- Coordination of demonstration and pilot projects;
- Involvement of Focal Points in demonstration and pilot projects;
- Assessment of impacts of climate services on applications;
- Examination of data requirements and tailored climate products.





Infrastructure and Forecasting

- Facilitate access to products of Global Producing Centres (GPCs) of long-range forecasts (LRF);
- Support development of Regional Climate Centres (RCCs);
- Examine forecast presentation and communication methods;
- Develop ‘best practices’;
- Contribute to development of downscaling/empirical tools/Regional Climate Models;
- Promote sustainability of Regional Climate Outlook Forums (RCOFs);
- Engage in joint activities with research programmes such as WCRP.





WMO CLIPS PROJECT

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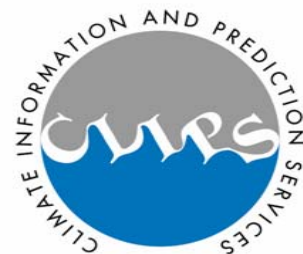
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Thank you

Merci

Спасибо

Gracias

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