



**World Meteorological Organization**  
Working together in weather, climate and water

# Global Framework for Climate Services

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# Climate Services



- The term “climate 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
- Databases of information gathered over many years by NMHSs have great potential to provide “effective” climate services
- Predictions of climate variability over the next season or two (seasonal to interannual forecasts) are of immediate relevance

# Global Framework for Climate Services

- Goal:
  - Enable better management of the risks of climate variability and change and adaptation to climate change at all levels, through development and incorporation of science-based climate information and prediction into planning, policy and practice.



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**WORLD CLIMATE CONFERENCE -  
3  
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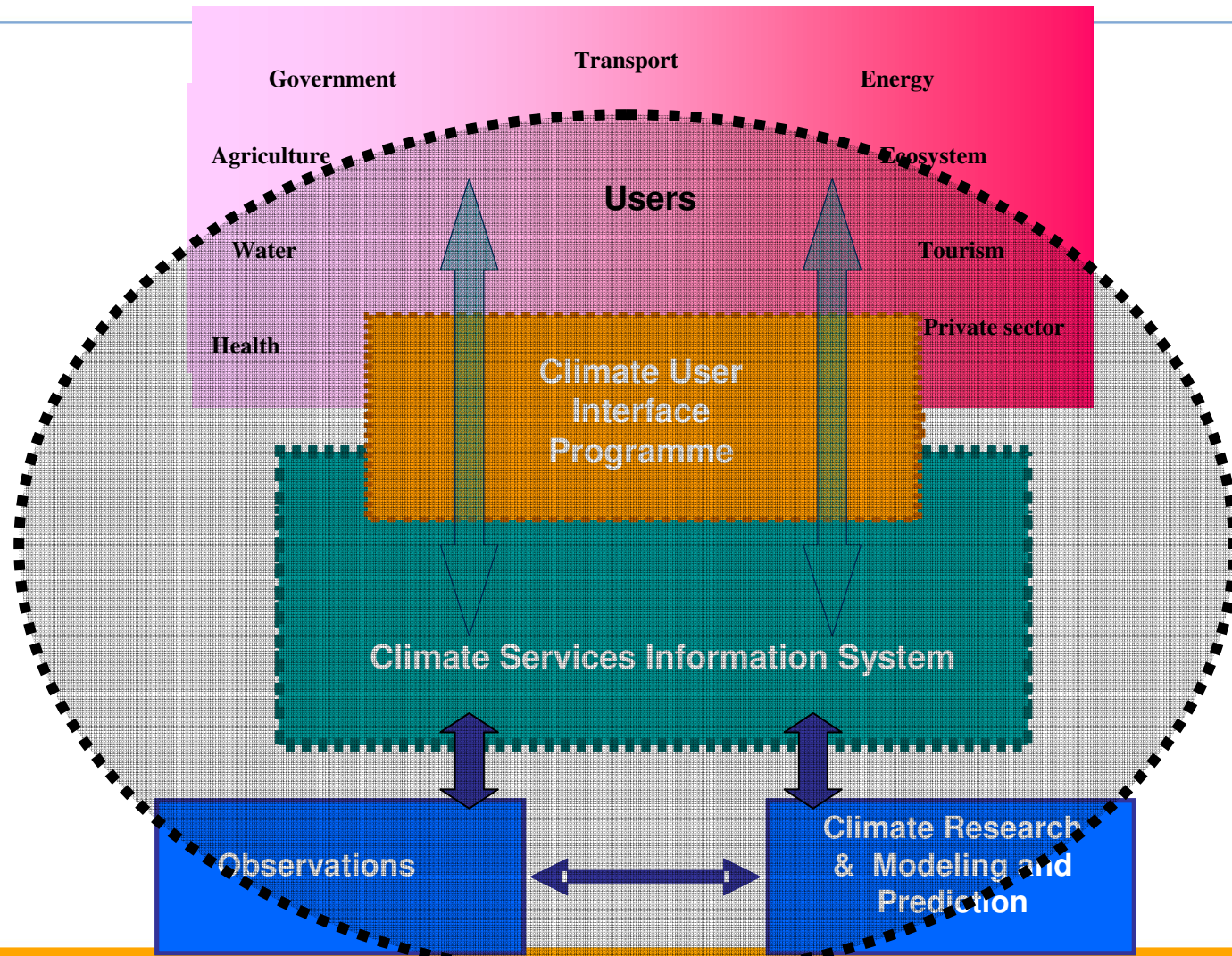
# GFCS: Objectives

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- **Provide a cooperative framework** in which all nations, International organizations, scientists and sectors will work together to operationally provide climate information to meet the needs of users;
- **Enable users to benefit** from improved user driven climate information and prediction;
- **Mobilize climate science globally** to advance the skills of seasonal-to-interannual and multi-decadal climate predictions to generate and provide future climate information on an operational basis;
- **Cooperative global infrastructure** to foster sharing new advances in science and information.



# GFCS Overview







## GFCS Priorities

All sectors to be tackled but in the first four years the GFCS is proposing giving priority to:

- Agriculture
- Disaster risk reduction
- Water
- Health

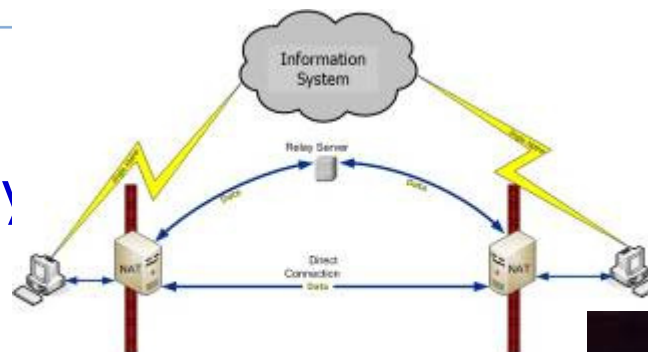




# GFCS implementation goals

The GFCS will establish:

1. A global system to routinely **generate** and **exchange** climate data and data products
2. **Upgrade the climate service capacities** in low-capacity countries to a baseline level
3. A **governance mechanism**





# Communication of Climate Information to Pastoralists

- Tailor climate products and services to:
  - reflect understanding of the pastoralist's decision process and priorities,
  - help pastoralists address problems,
  - optimize opportunities, and reduce risks.
- A lot of climate information is available, but may not be getting to the 'last mile' where it is needed by pastoralists in all regions.
- Even if pastoralists have information, they may not use it, or use it as effectively as they should.







# Pre-requisites for climate services to Pastoralists

- **Available:** at time and space scales that the pastoralists needs
- **Dependable:** delivered regularly and on time
- **Usable:** presented in specific formats so that the pastoralist can fully understand
- **Credible:** for the pastoralists to confidently apply to decision-making; need to build trust in the products and to moderate mutual expectations
- **Authentic:** to be accepted by pastoralists in the given decision contexts
- **Responsive and flexible:** need more dialogue, pastoralists feedback (use COFs, User forums...)
- **Sustainable:** affordable and consistent over time
- **Relevant:** explicit examples, case studies would help



# User Interface Platform (UIP) of GFCS for Pastoralists



**The needs of the pastoralists are diverse and complex.**



# Objectives of UIP for Pastoralists (1)

- Help pastoralists express their needs for climate information, and the frequency and modes of delivery of such information;
- Prioritize pastoralists needs for climate information;
- Promote, facilitate and coordinate interdisciplinary (applied climate) research and development to design specific products and services for pastoralists;





## Objectives of UIP for Pastoralists (2)

- Facilitate communication and use of climate information, including integration of the associated uncertainties in decision-making;
- Capture and disseminate knowledge in diverse socio-economic settings; and
- Obtain feedback in order to improve observing networks and research and modelling that underpin the service provision.







# Conclusions



- GFCS aims to make the most vulnerable countries in the developing world its priority, and while planning to serve all sectors, will give priority to agriculture, water, disaster risk reduction and health.
- GFCS will be coordinated at global, regional and national levels to meet the needs of all stakeholders, including pastoralists.
- WMO welcomes the active participation of the UNESCO and IPACC in developing an effective implementation plan for the GFCS.



Thank you  
Merci  
Спасибо  
Gracias  
شكرا  
谢谢