Stakeholder Consultation Workshop for Development of National Framework for Climate Services in India (NFCS – India) 5-6 October 2023

Group 4: User Interface Platform

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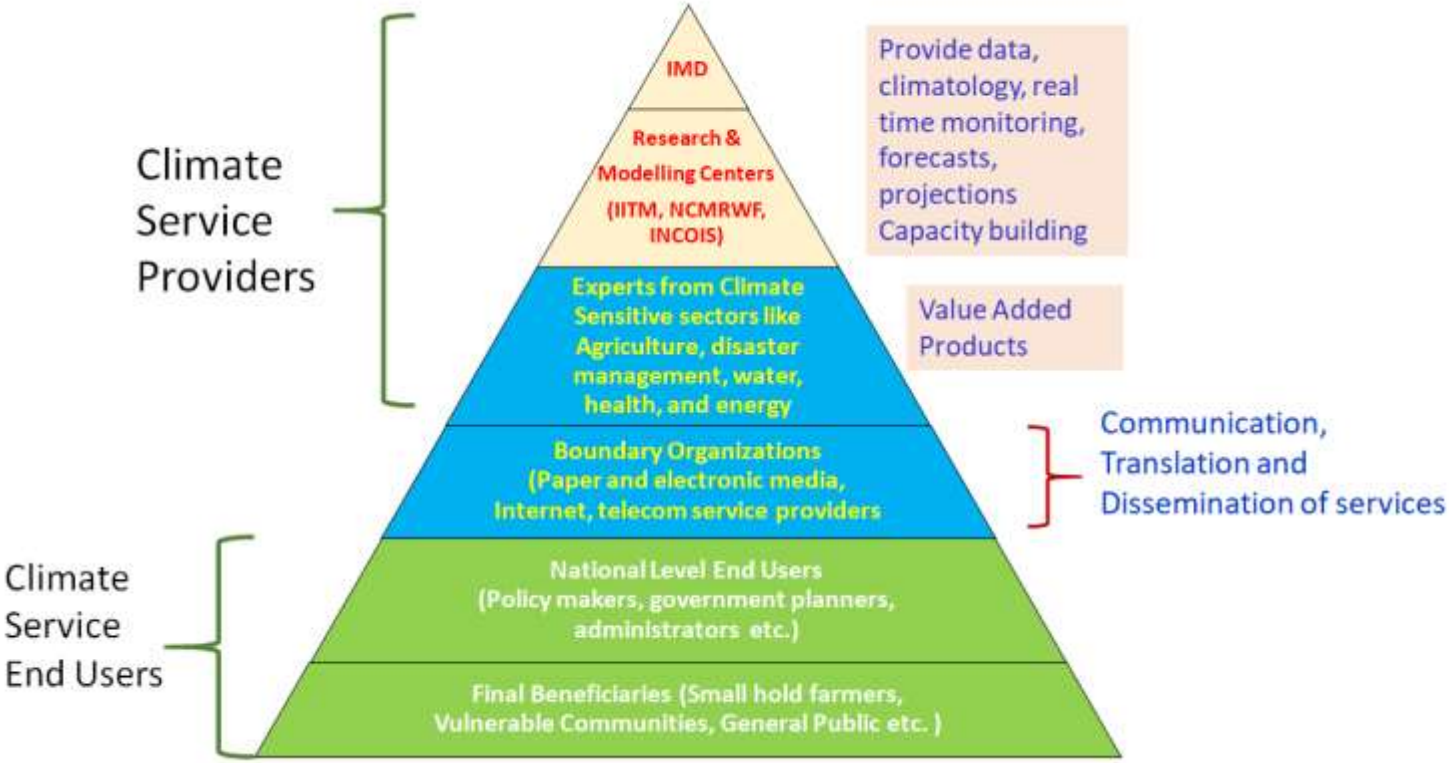
INDIA METEOROLOGICAL DEPARTMENT

Stakeholders of Climate Information in India



Need for a User Interface Platform

❖ The challenges created by climate change are complex and wide-ranging, and the processes for dealing with them efficiently are still evolving. It is inevitable that the sectors that are sensitive to the climate and important for the wellbeing, safety and security of the society don't have all the right answers (no-one does), and only by trying different approaches -- and crucially asking and sharing what is important, what worked and what didn't -- can they develop robust solutions.

❖ For this, engagement and communication are essential; not only to share information and data, good practice and showcase successes, but also to understand priorities and shortcomings, and to explore what lessons can be learnt from them. This is important to focus on information that are essential for the users and for better decision making.

❖ Stakeholder engagement and communication are increasingly central to effective management of climate risks

User Interface Platform

Users can make their voices heard through the Platform and make sure climate services are relevant to their needs.

User Interface Platform?

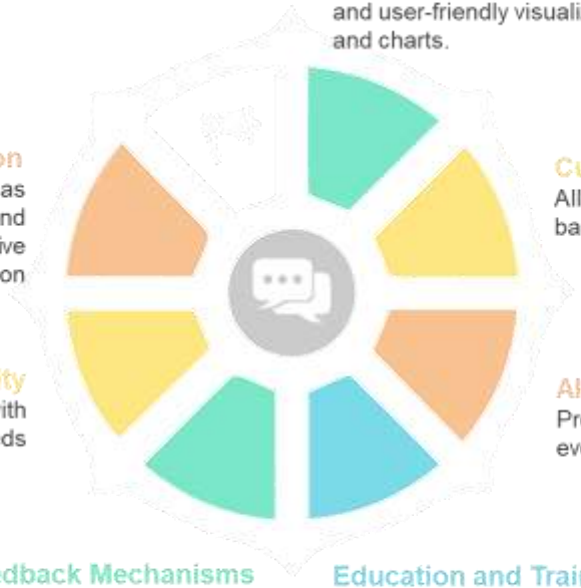
- The most novel component for GFCS
- Strengthening the engagement of providers and users of climate.
- Provide ways for climate service users and providers to monitor requirements for climate services.
- Provide forum for dialogue to understand needs of users and capabilities of providers.
- Assistance in interpreting various climate information/products and, in collaboration with relevant stakeholders, helping identify a sensible set of decision options.
- Increase the literacy of climate service users.
- Monitor user satisfaction with the overall performance of the Framework.

User Interface Platform for NFCS - India

A User Interface Platform is a technological infrastructure that serves as a user-friendly portal or interface th rough which stakeholders can access and interact with climate-related information and services.

Data Visualization
Presenting climate data and information through interactive and user-friendly visualizations, including maps, graphs, and charts.

Integration
Integrating data from various sources, such as meteorological agencies, research institutions, and international organizations, to provide comprehensive climate information



Customization
Allowing users to customize and filter data and services based on their specific needs and preferences.

Accessibility
Ensuring that the platform is accessible to users with diverse technological capabilities and needs

Alerts and Notifications
Providing timely alerts and notifications related to weather events, climate anomalies, and other relevant information.

Feedback Mechanisms
Establishing channels for users to provide feedback on the usefulness and accuracy of climate services, which can inform improvements.

Education and Training
Offering resources and training materials to help users understand and interpret climate data and services

Recommendations

- A data sharing policy should be developed for weather and climate data and associated sectoral data
- Help States in establishing data bank and knowledge repository for storing and retrieving Climate information relevant to all the climate sensitive sectors.
- All the relevant climate information tailor made for a climate sector should be available through user friendly web/mobile app based single platform.
- Conduct State level climate outlook Forums followed user forums preferably in local language to provide a platform to discuss available climate predictions to encourage use of the seasonal forecasts for sectoral applications.
- Cost benefit analysis of climate informed decision making for convincing users/end-users to maximize the utility of climate information in the decision-making process, and policy makers to make appropriate policies and investments.

Recommendations

- Regular awareness programs for last mile users community on climate variability and climate change and educate more on the joint responsibility to minimize the impacts and changing the wrong perceptions (e.g. water level is down because of climate change and not because of over extraction of water).
- Require state level permanent training and capacity building arrangement for imparting basic knowledge about climate change and climate services to all the newly joined state government officials, climate sensitive sectoral community, media etc. and for conducting refresher courses/awareness classes for working government officials and other stakeholders.
- Research network for taking up collaborative work among climate community, climate sensitive user sectors, and other stakeholders
- There should be a feedback mechanism between climate service providers and end users for continuous improvement in the generation of relevant information, its delivery and utilization.