The imperative of climate service

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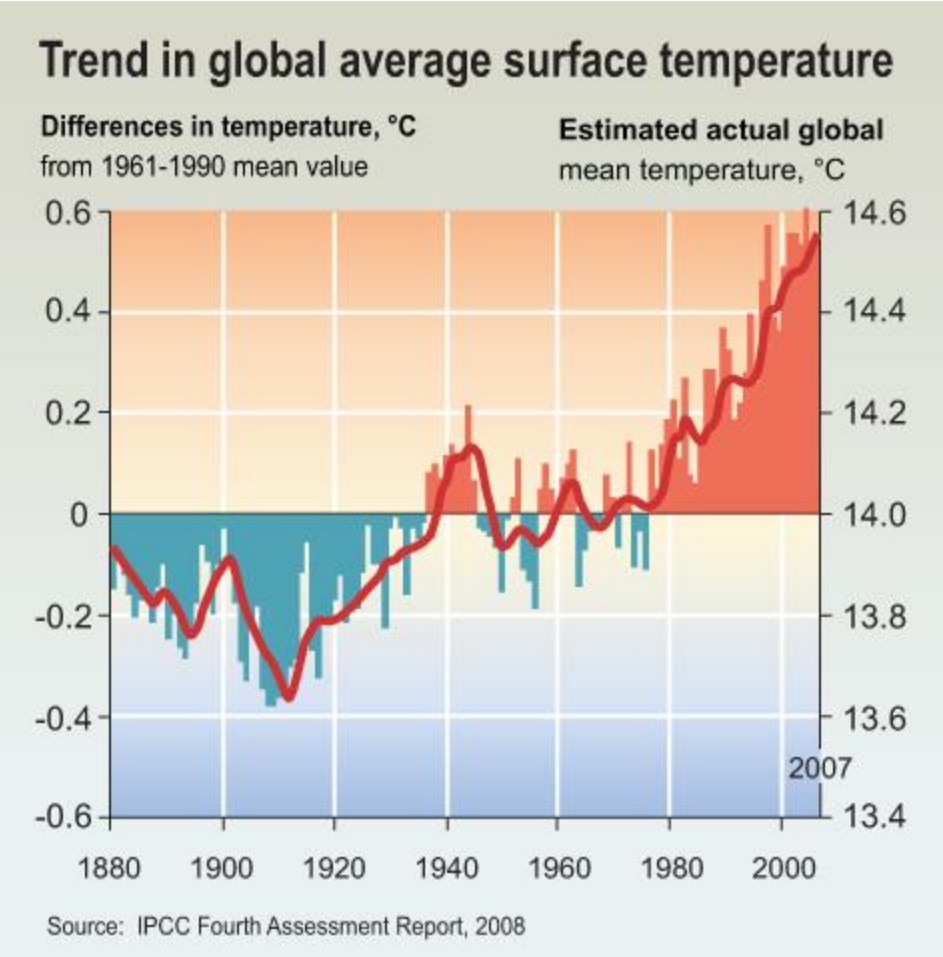
The challange of adaptation...



- **Many socioeconomic sectors sensitive to climate variability and change**
- **Need for information for decision making**
- **The past is no longer a trustworthy indicator of the future**
- **New paradigms are required to support decision-making**

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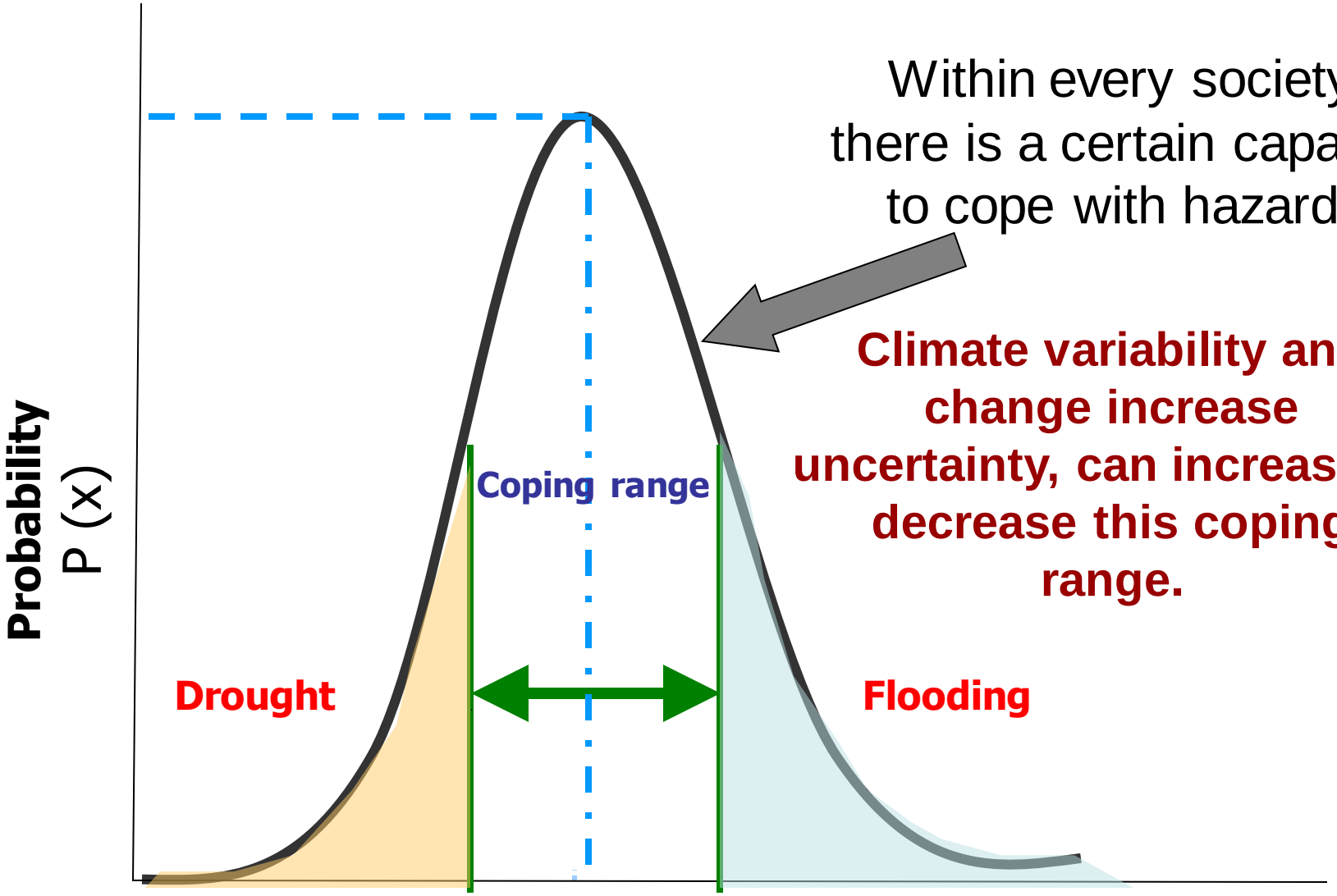
The challange of adaptation...

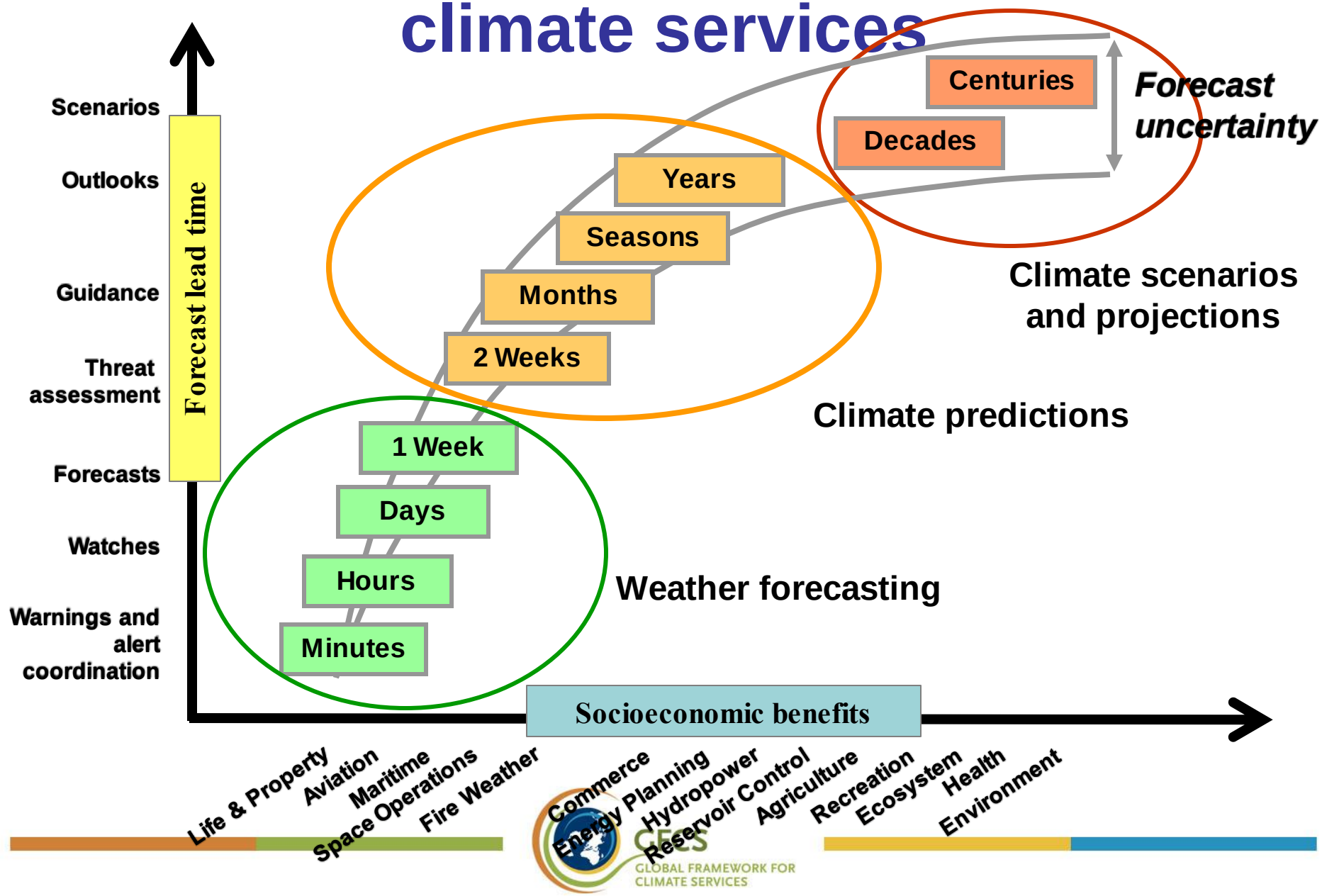


Within every society, there is a certain capacity to cope with hazards

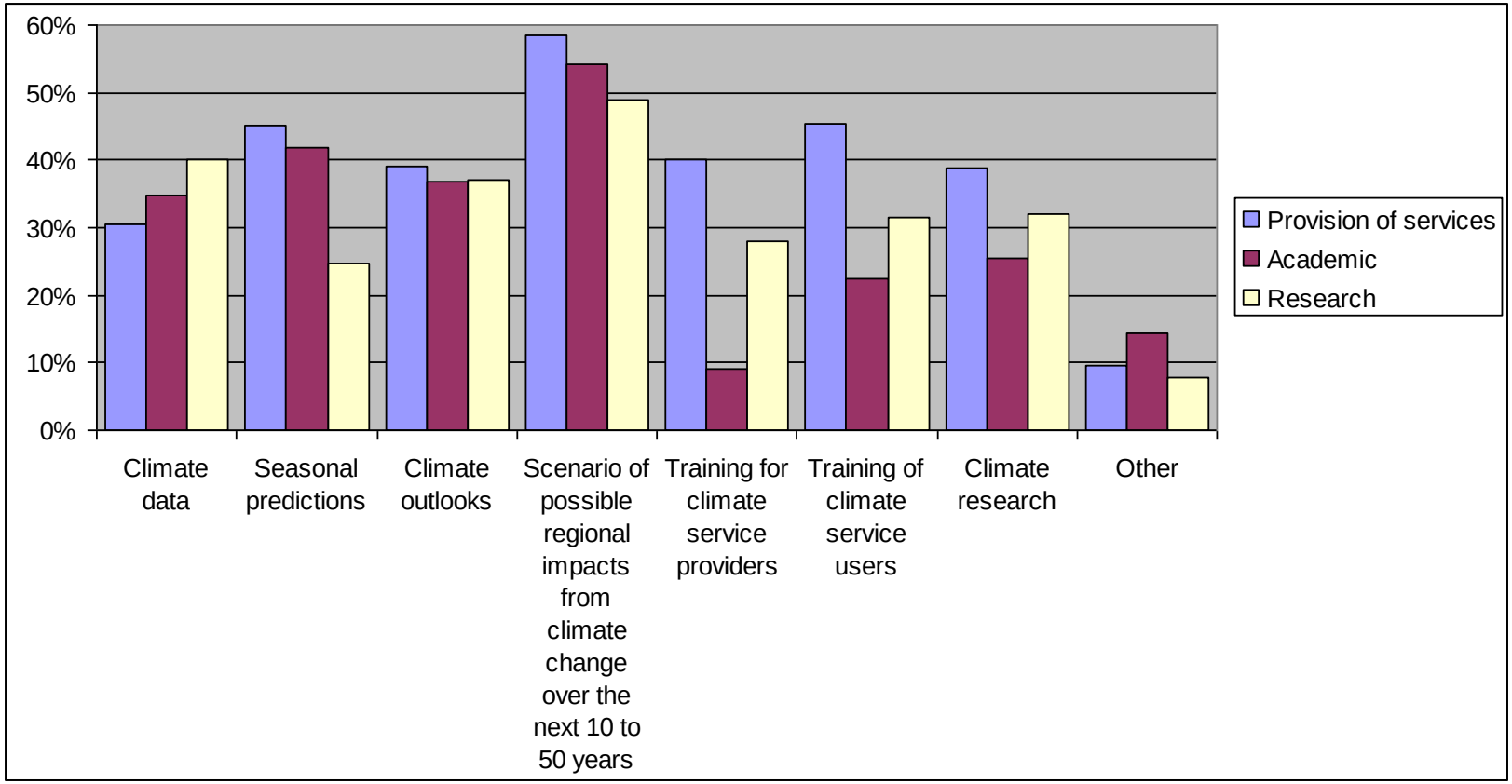
Climate variability and change increase uncertainty, can increase or decrease this coping range.

Source: Wilhite 2006

Seamless hydrometeorological and climate services



The HLT survey



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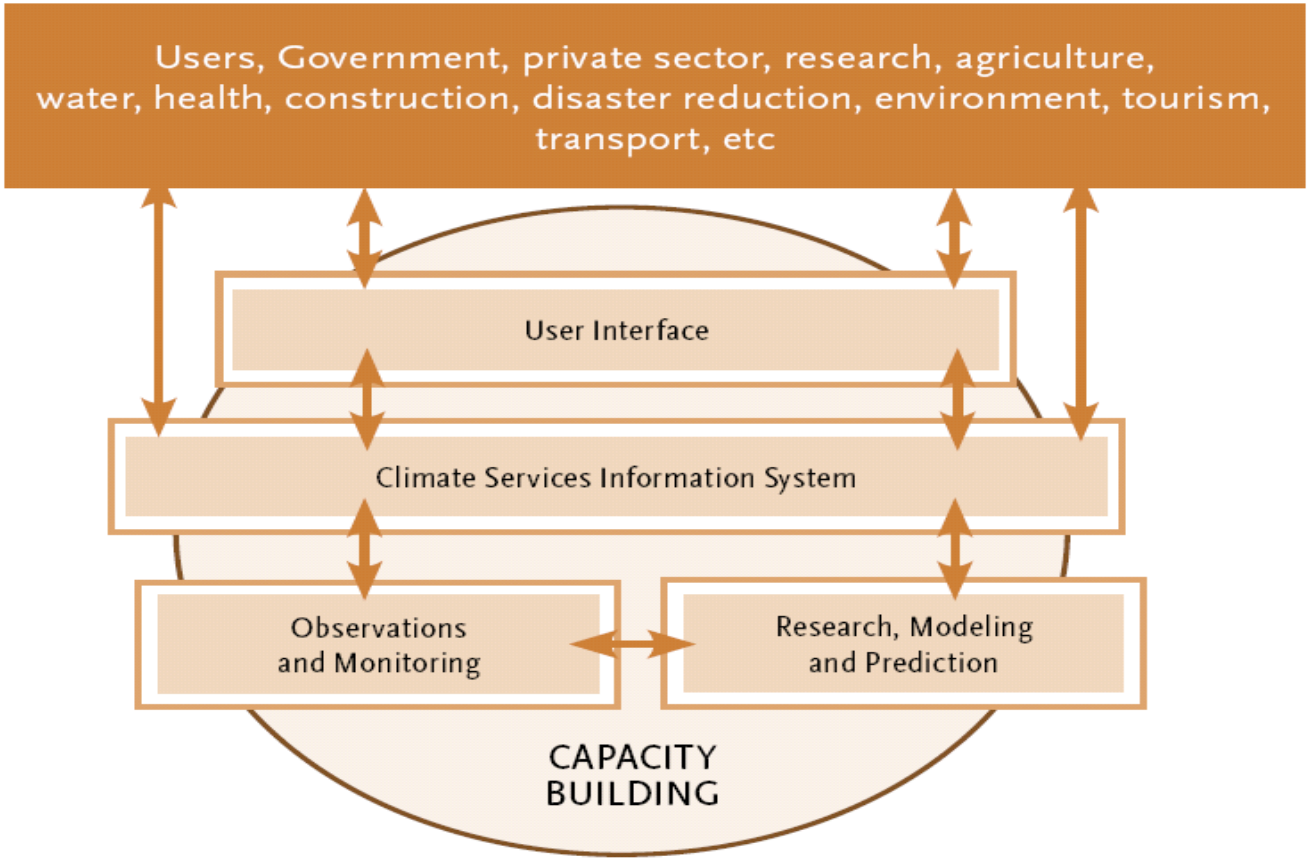
Vision

To enable better management of the risks of climate variability and change and adaptation to climate change, through the development and incorporation of science-based climate information and prediction into planning, policy and practice on the global, regional and national scale."

Priority Areas

GFCS Pillars



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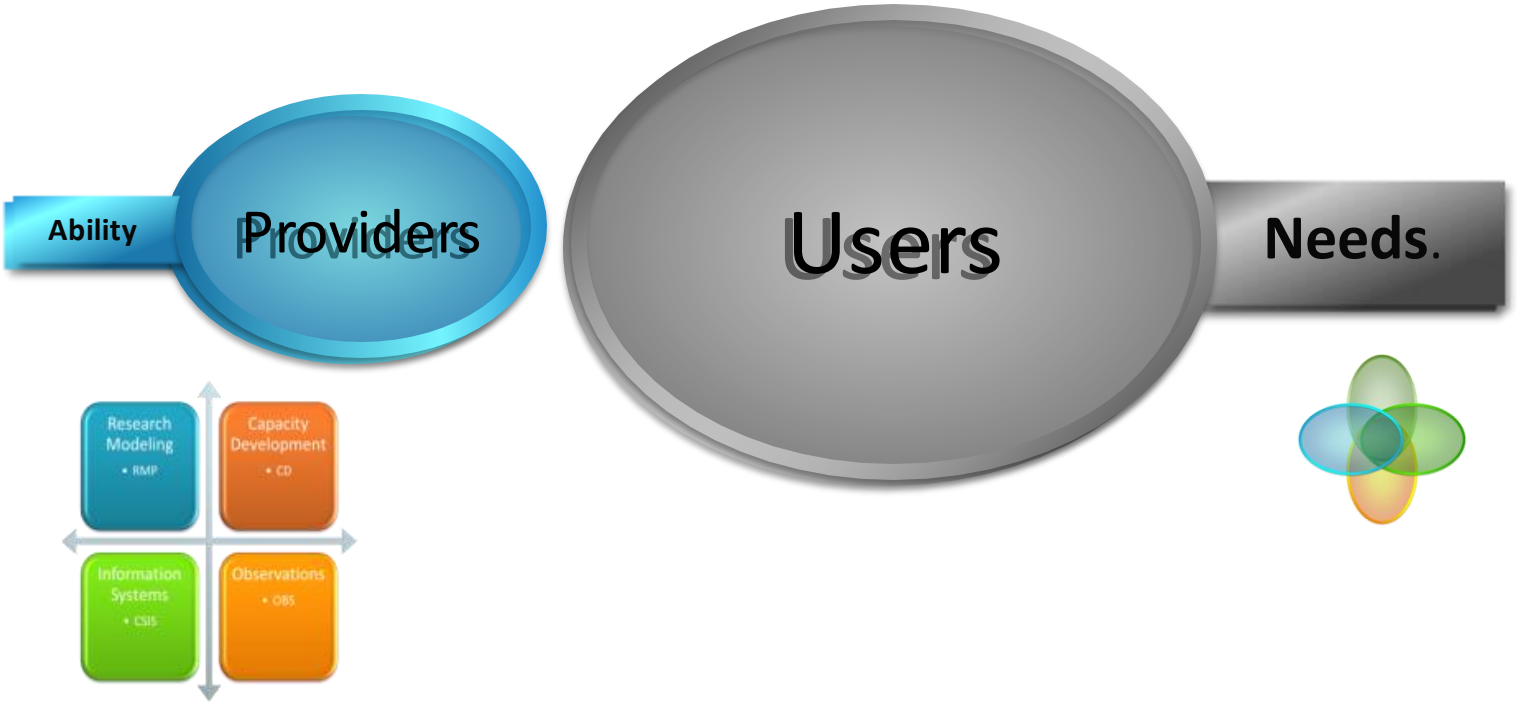
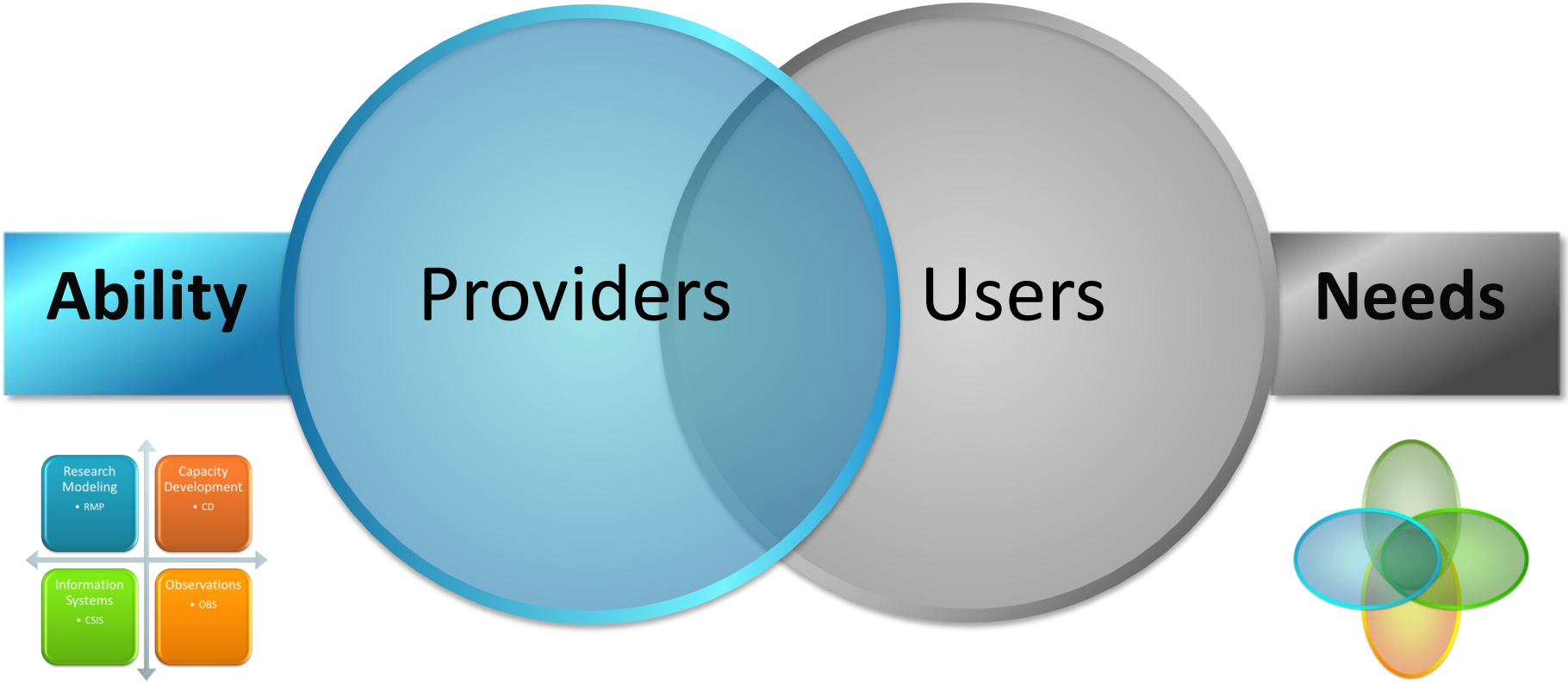
User Interface Platform



- Structured means for systematic interaction

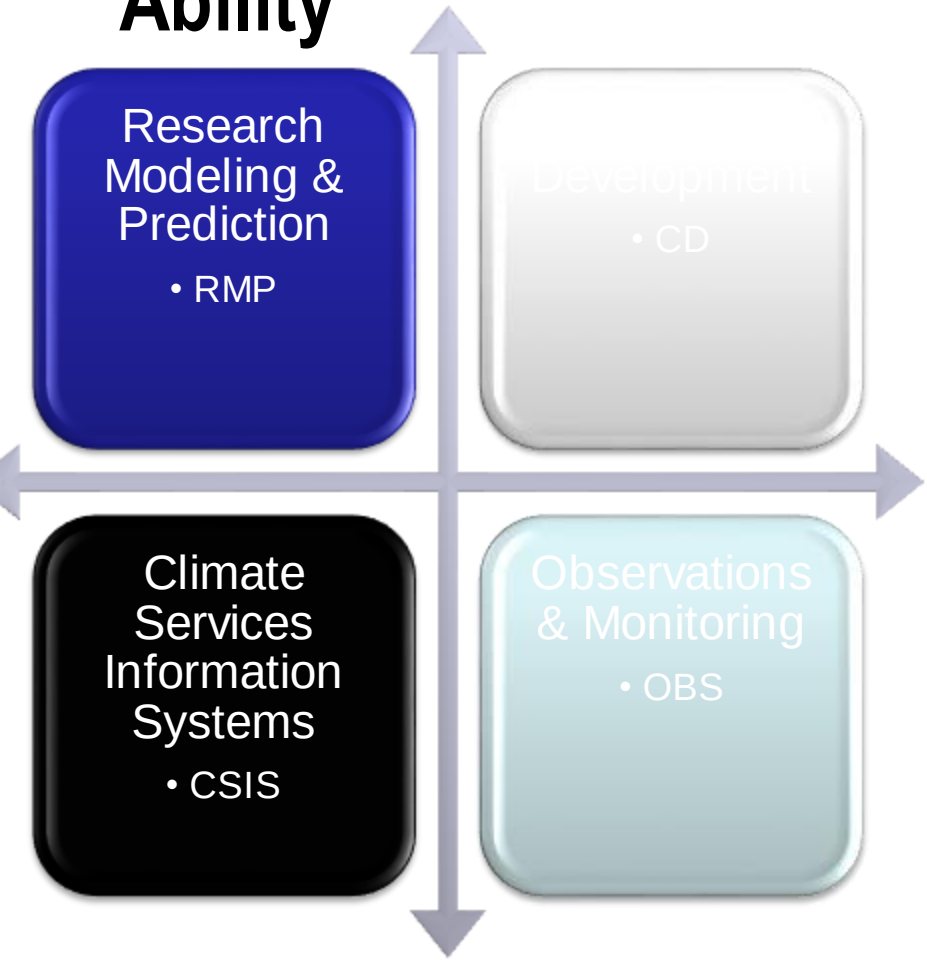
Requirement

Interface Providers & Users

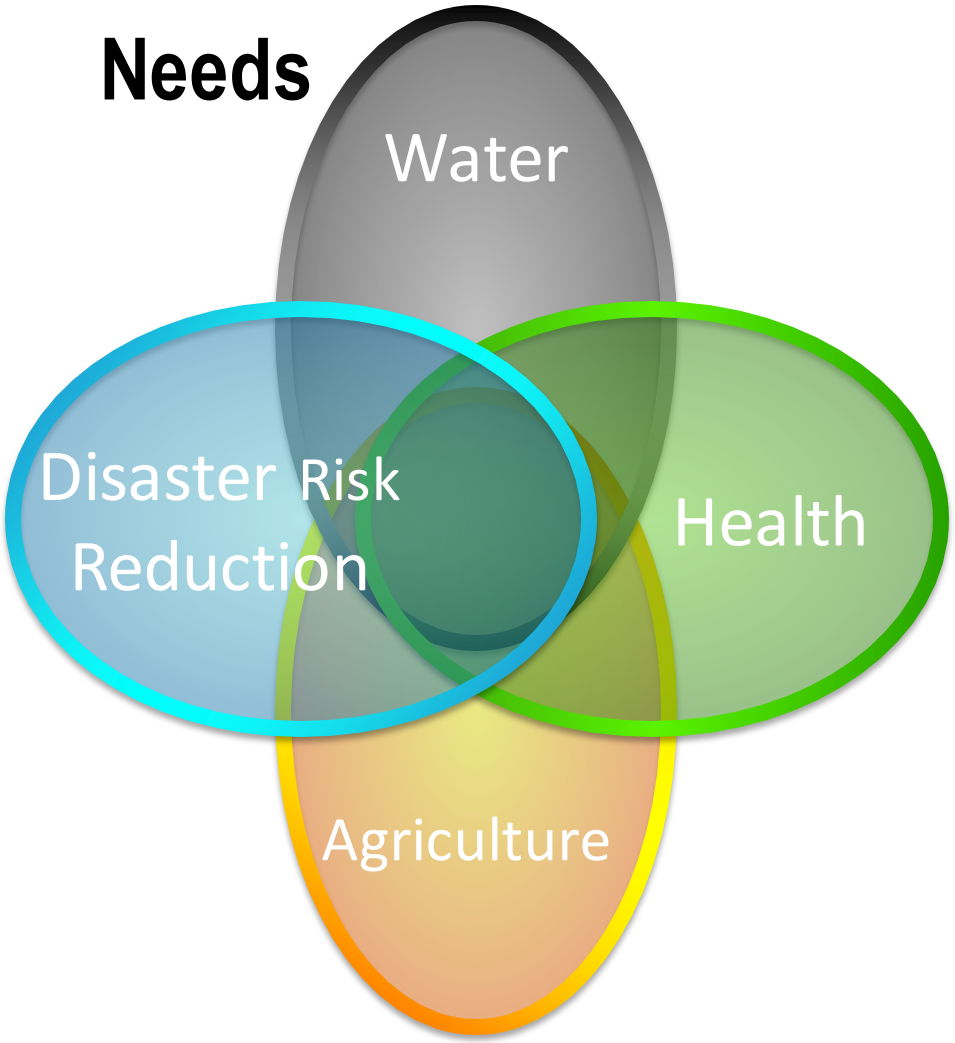


Interlinking

Ability

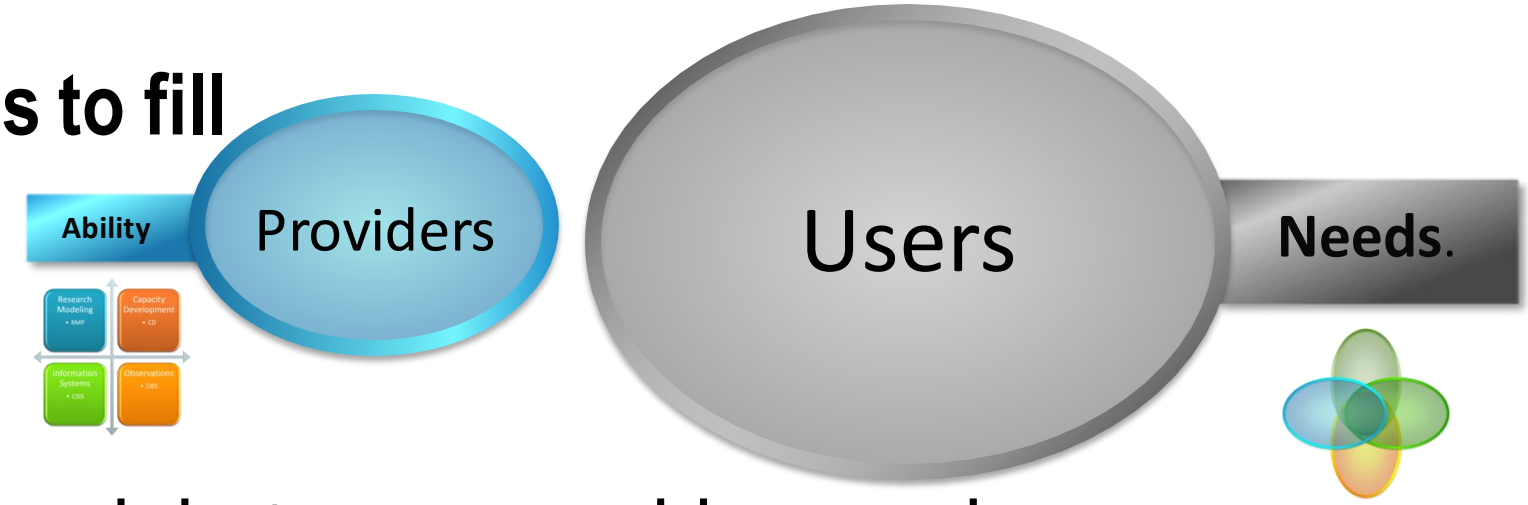


Needs



Gaps

UIP aims to fill



- Feedback between providers and users
- Dialogue amongst pillars
- Outreach
  - Using climate services to full potential
  - Moving data to decisions
- Capacity Development
  - Tune abilities to use driven focus

Various forms of UIP

- Questionnaires
- Extension Services
- Intermediaries, e.g., NGOs…

Major needs

1. Tailored climate information products and advisory services (detailed and skilful forecasts + climate change projections + better prediction of extremes);
2. Capacity development of professionals and communities on production and effective application of climate services;
3. Improved, standardized, and quality controlled sector monitoring data that is compatible with environmental and climate information;
4. Monitoring and evaluation of the appropriate, effective, and cost-effective use of climate information for sector decisions;
5. Research and prediction of sector impacts associated with climate variability and climate change;
6. Development and deployment of early warning systems appropriate to the sector and user communities;
7. Sustainable financial and technical support;
8. Better collaboration with the climate community for interdisciplinary policy, practice and research.

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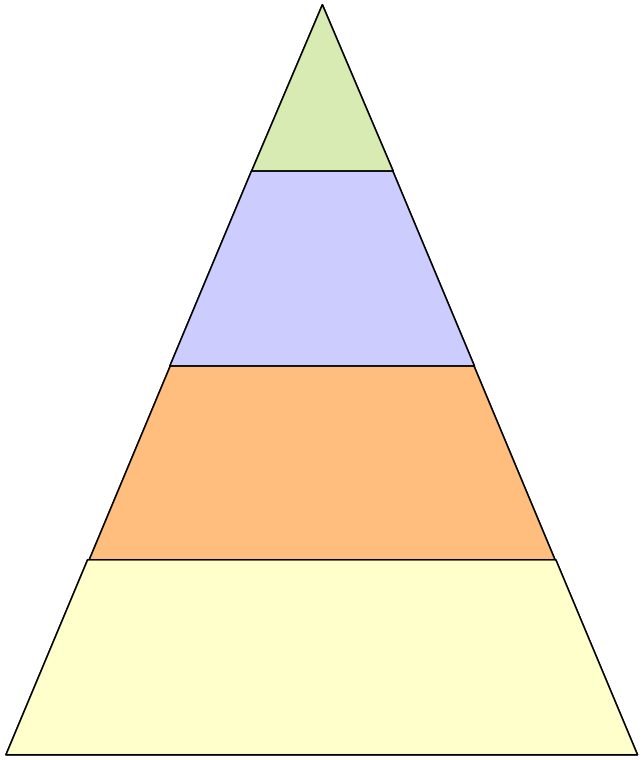
Pre-requisites for climate services

- **Available**: at time and space scales that the user needs,
- **Dependable**: delivered regularly and on time,
- **Usable**: presented in user specific formats so that the client can fully understand,
- **Credible**: for the user to confidently apply to decision-making
- **Authentic**: entitled to be accepted by stakeholders in the given decision contexts
- **Responsive and flexible**: to the evolving user needs, and
- **Sustainable**: affordable and consistent over time.



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Thank you for your attention