



Outline

- What is a climate service?
- Climate information and knowledge
- Users' decision-making
- Provision
- How are climate services developed?
- Examples of climate services



What is a climate service?

 Provision of climate information and knowledge to support users' decision-making which can be provided through different mechanisms and formats (see e.g. Vaughan and Dessai, 2014; Hewitt et al., 2012).

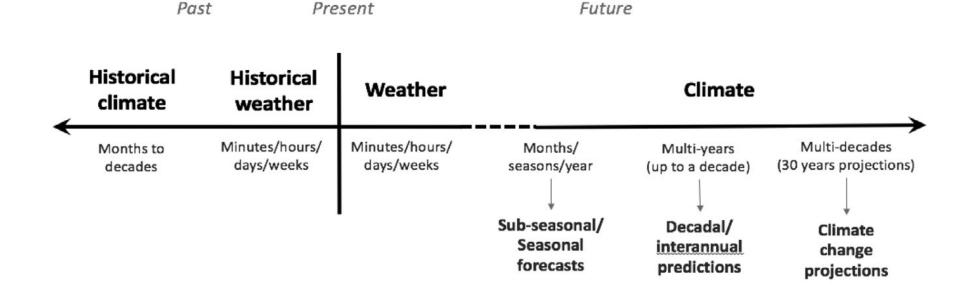
Key ideas:

- Climate information
- The users' and their decisions
- Service provision





Timescales of climate information



Raw climate model data e.g. temperature

(e.g. temperature, precipitation)

Tailoring, co-production, engagement...

Final product /input to inform decisions

(e.g. assess risk of flooding, impact of heatwave on health)



The users' and their decisions

- Wide range of climate service users anyone that uses climate information in their activities!
- Type of climate information required dependent on...
 - The organization's mandate and responsibilities
 - Their activities on the ground and how they are affected
 - The resources, skills and capacity within the organisation



- What climate information they require
- When and in what format they need it
- How that integrates with other non-climatic information



Climate service provision

Mechanisms

- Website/online platform
- Reports/documentation
- Training and workshops
- Direct provision (e.g. emails, meetings)

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Formats

- Impact/risk assessment
- Scenario analysis
- Raw climate data
- Adaptation plans and strategies

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Sources

- Research institutes
- Consultancies
- National Met Services
- Multilateral development banks

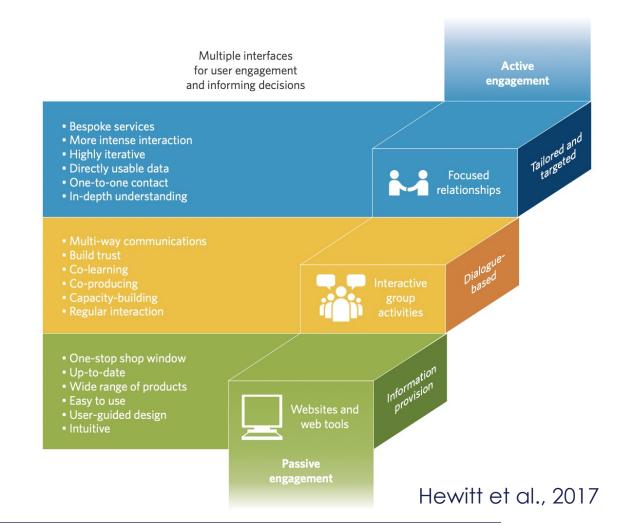
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How are climate services developed?



Carter et al., 2019





Examples of climate services

Climate factsheets for Norwegian counties and Spitsbergen



I4C



- WHAT: Climate factsheets with concise and distilled climate information summarized; Climate hazards that are projected to increase in frequency and/or intensity are highlighted
- WHO: For all administrational regions (counties + Spitsbergen and Longyearbyen)
- **HOW:** In close dialogue with practitioners in the counties' administration
- WHY: Advice local government/counties and decision-makers to use them.

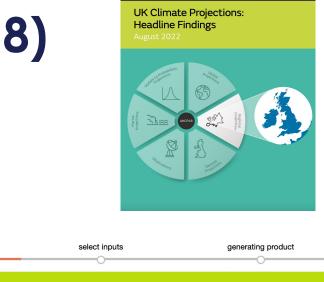


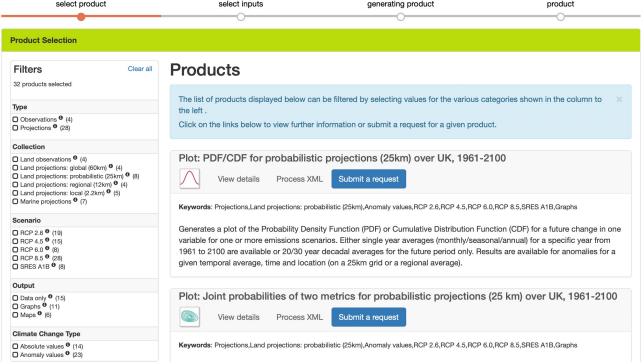
UK Climate Projections (UKCP18)



- WHAT: Set of tools and data that shows you how the UK climate may change in the future; different formats available
- WHO: For government authorities and other organisations sensitive to climate conditions in the UK
- HOW: through user engagement to inform development
- WHY: To support and inform decision-making and adaptation

https://www.metoffice.gov.uk/research/approach/collaboration/ukcp





Climate stories

- WHAT: Learn about climate change and some of its impacts as experienced by citizens and what actions are being taken to minimize the negative effects.
- WHO: raise awareness of society and scientists
- HOW: through collaboration between research partners and local government and organisations.
- WHY: bridge the gap between scientists and society with climate stories

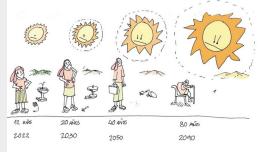
https://reachout-cities.eu/climate-stories/

The climate story of Logroño

Javier and María are two young students who learn about heatwaves, an increasingly frequent and intense phenomenon in Europe that also affects Logroño. Their story helps to understand climate change and its impacts on the city.

Theme: Heat
End user: Citizens

Link to the story in English Link to the story in Spanish









Urban planner

María and Javier Students



Lito and Lita
The Grandparents



Ángel Outdoor labourer



Laura and David Doctors



Thank you

Connect

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