

Facilitating climate adaptation using seamless predictions



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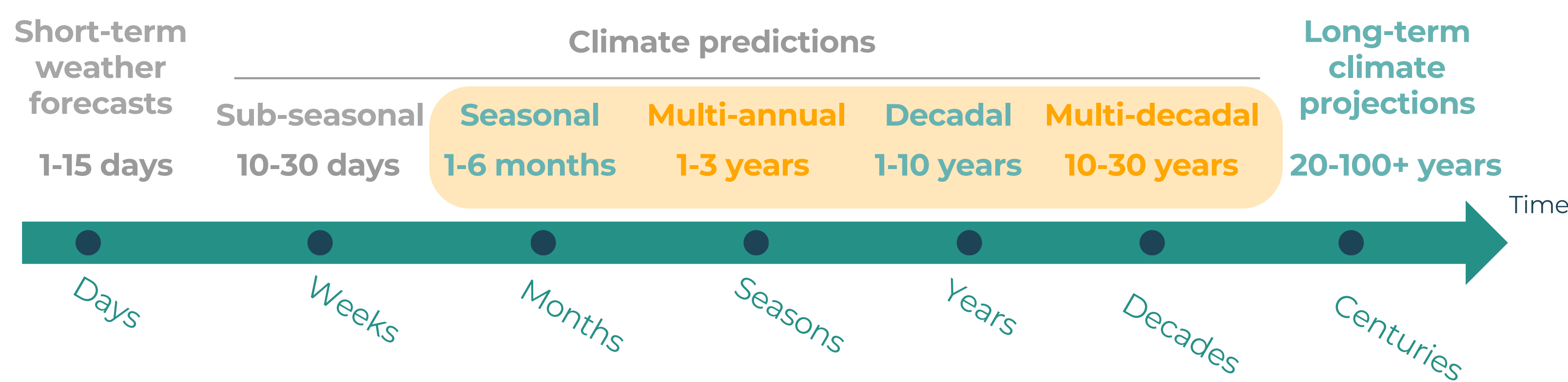
Improving existing climate predictions and projections, and merging their outputs across timescales to provide seamless climate information, spanning from the next months to 30 years



The need for climate information that spans across timescales to support decision making and adaptation to the changing climate is becoming increasingly apparent. Such information needs to be robust, reliable and relevant to users in a range of sectors.

The ASPECT project explores the frontiers of **seamless climate information** at the **seasonal to decadal (S2D)** timescales, which will allow users to make decisions based on consistent information rather than relying on the complex interpretation of a number of different climate products. The project aims to improve the provision of seamless climate information covering the next 30 years to help improve climate resilience across Europe.

ASPECT aims to set up a seamless climate information (SCI) system, linked with the Copernicus Climate Change Service, bridging the gap between climate predictions and projections.



User-centred approach

Climate information is co-produced by working closely with stakeholders from societally important sectors, ensuring that their needs are addressed, and that useful, useable and actionable information is produced.

- **Super Users:** working with users to co-produce knowledge to support adaptation
- **User Forums:** bringing together a community of practice to learn how to use new climate information
- **Case studies:** assessing the usability, socio-economic benefits and added value of seamless climate information
- **Uptake / upscaling:** mainstreaming climate information for adaptation



What are seamless climate predictions?

Imagine a beautiful scene in the mountains...

You want to take a picture of the scene.

Adjusting the depth of field of your camera changes what is in focus...

Either the flowers are in focus with a short depth of field.

Or the flowers and the house are in focus.

Or the whole scene is in focus with a longer depth of field.

And now think on climate predictions...

Different communities work in silos with different types of forecasts at different time scales. But achieving a resilient society needs to consider all time scales.

Much like a camera when increasing the depth of field...

Seamless climate predictions are able to focus on all the elements at once and fill the gaps of information...

Showing us the full picture.

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