





Climate services for the Mediterranean food security

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11 Congreso Internacional AEC



Climate services for olive oil, wine and pasta







Co-development of the climate service



Involvement of users as project partners

- They should represent the sectorial expertise.
- Their feedback will contribute to the codevelopment of the service.









User engagement in early stages of the service is crucial...

- To understand the user chain
- To understand the sectorial needs
- To co-develop the service



Interaction with users

How do we interact with users?



Scoping workshops

Interviews

Not always easy

Focus groups

Participatory approaches with sectorial experts and/or farmers.



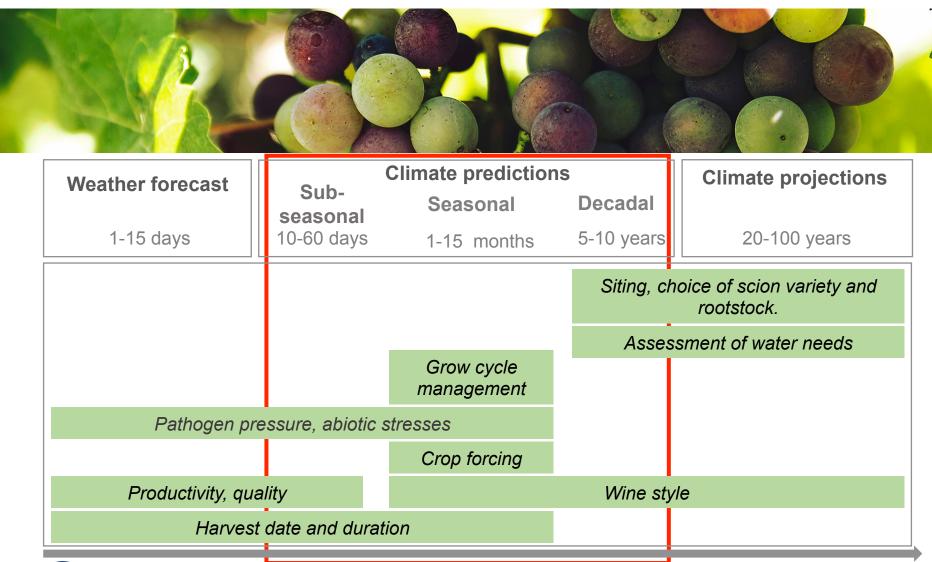


- Lack of overview of climate info available
- All decision are important



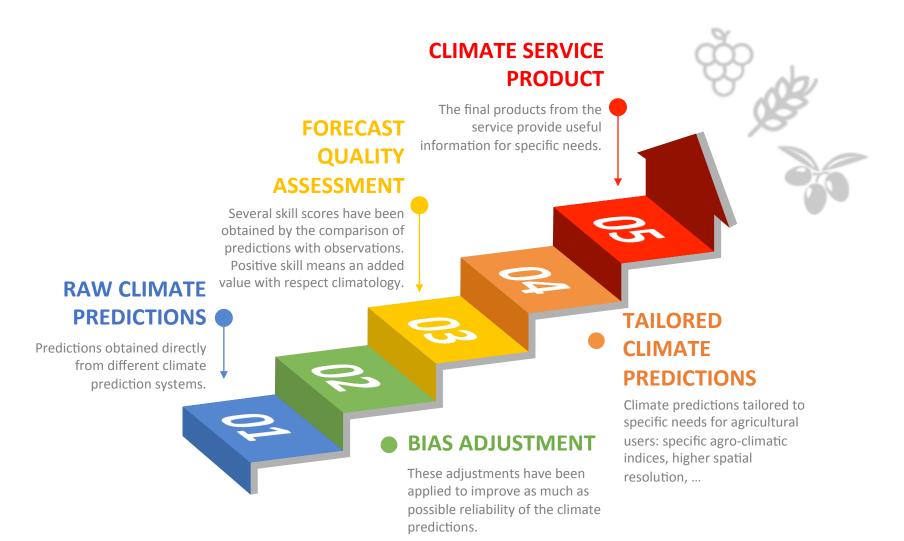
- Limited trust in climate information
 - Lack of a common terminology

User interaction output (e.g. wine sector)





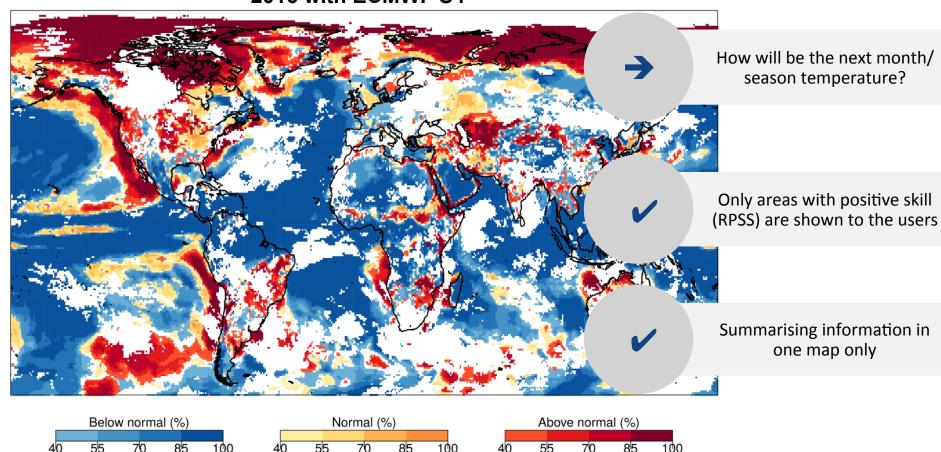
From climate data to climate services





Climate service product: most likely category map

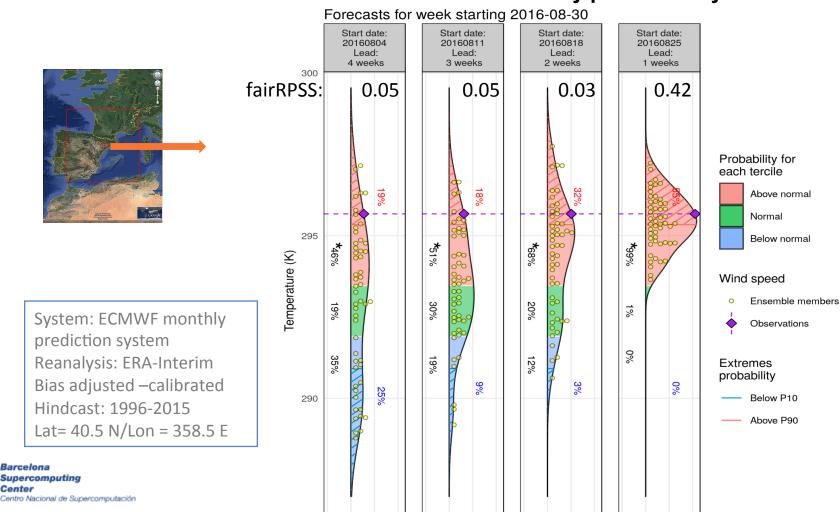
Seasonal prediction of most probable category of temperature for May 2016 with ECMWF S4





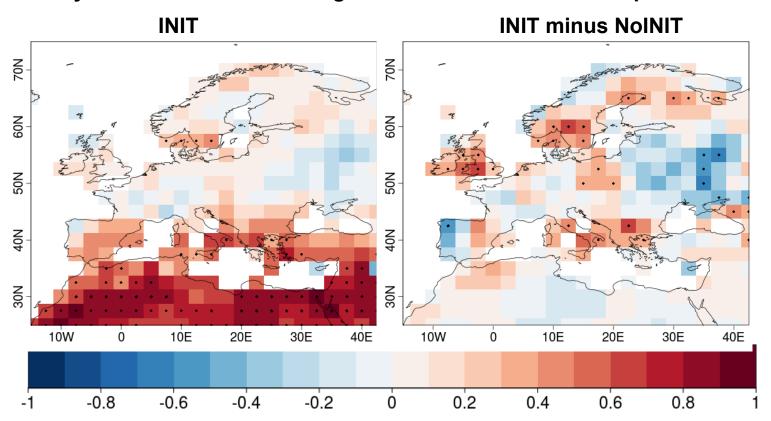
Climate service product: temperature predictions for an specific point

Sub-seasonal predictions of temperature for 1st week of September 2016 with different lead times based on ECMWF monthly prediction system



Example of climate service product: drought index (SPEI6)

Correlation between predicted and observed SPEI6 index averaged over 2 to 5 years for the month of August with EC-EARTH decadal predictions

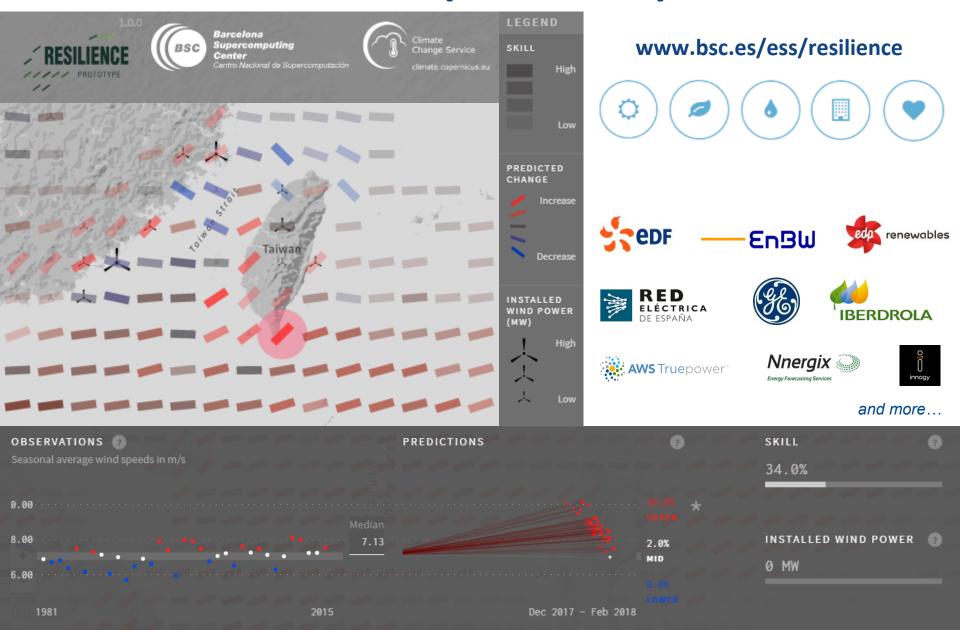




INIT: Initialised decadal predictions

NoINIT: Non-initialised climate simulations

RESILIENCE tool: operational predictions



Climate Services developed by ESS

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Agriculture



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Sub-seasonal to seasonal predictions

Decadal predictions

Climate projections









Thank you! Questions?













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