



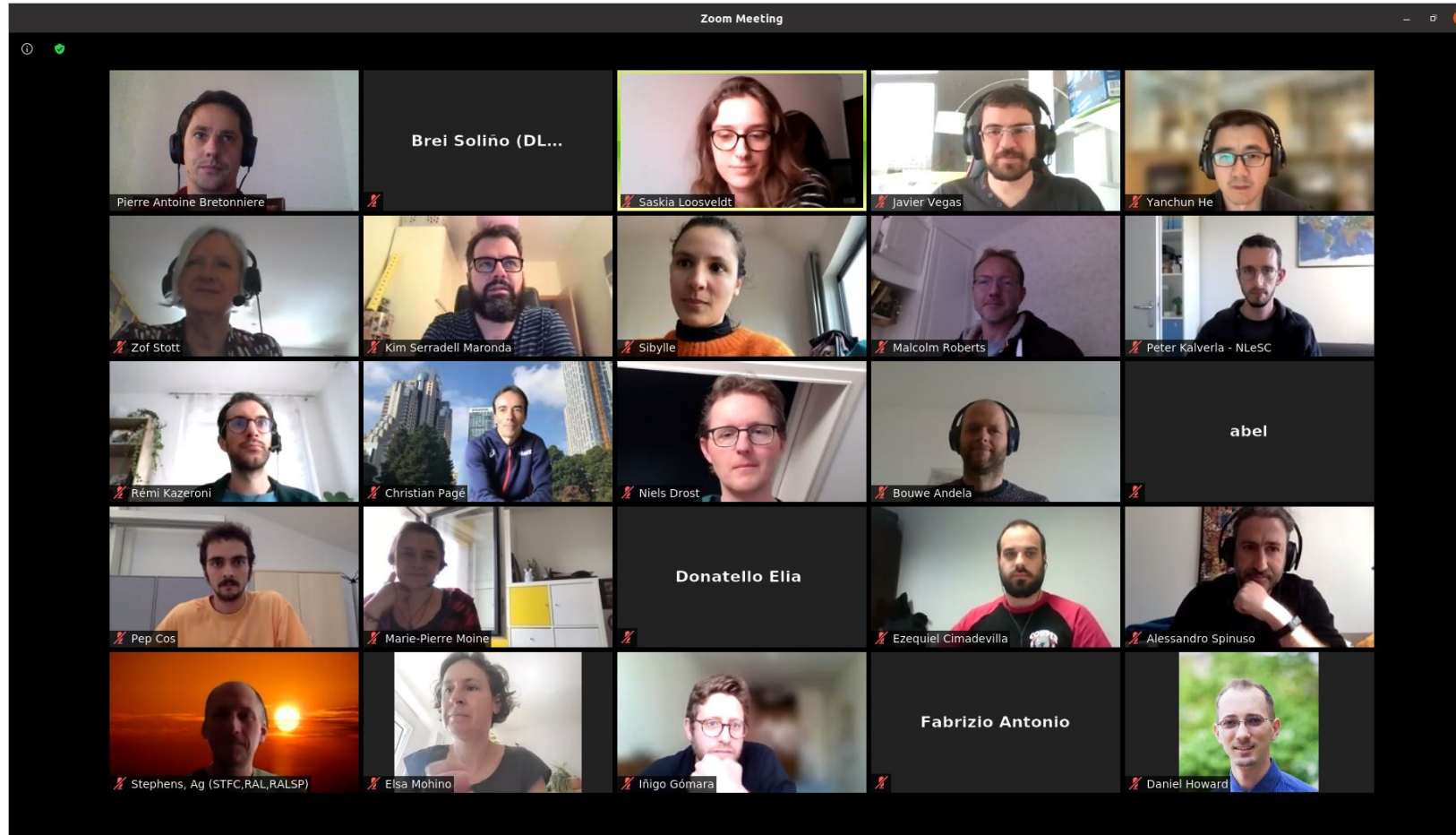
Virtual workshop on requirements for a fast and scalable evaluation workflow

Introduction

***18-19 May 2021
Barcelona***



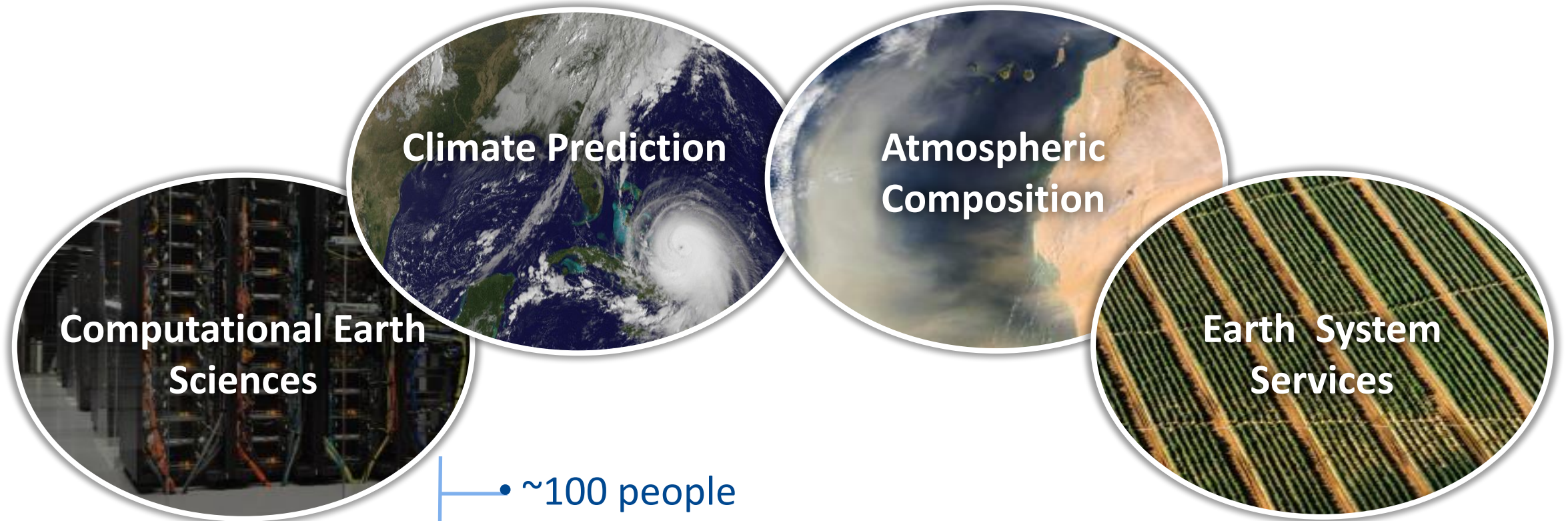
- Review updated Agenda
- Questions using Google Drive document
- Speakers, upload your presentations
- Breakout groups
 - Looking for active discussions
 - Edit the documents and add content yourself if needed
- Outcomes of the workshop
 - D5.2: Technical standards for diagnostic tools (September 2021)
 - BSC (6 PM), CNRS-IPSL (2 PM), DLR (1 PM), NLeSC (3 PM)
 - D5.2 will report on the technical standards defined after gathering all the requirements. The document will emphasize on technical solutions chosen to improve the compatibility between tools.
 - MS20: Requirements for technical standards for diagnostic tools (June 2021)



THANK YOU VERY MUCH

BSC Earth Sciences Department

Environmental modelling and forecasting using process-based and artificial intelligence models, with a particular focus on **weather, climate and air quality**. This includes **transferring solutions** to support the main societal environmental challenges through data applications

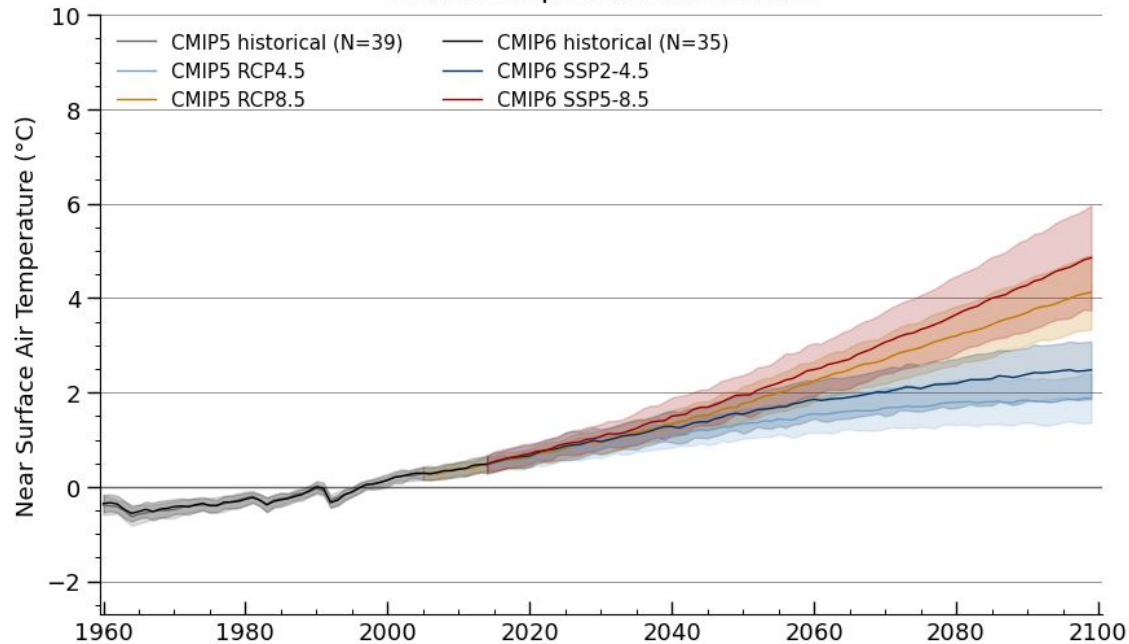


- ~100 people
- Funding from EC, Copernicus, private sector, ESA, Spanish and regional governments

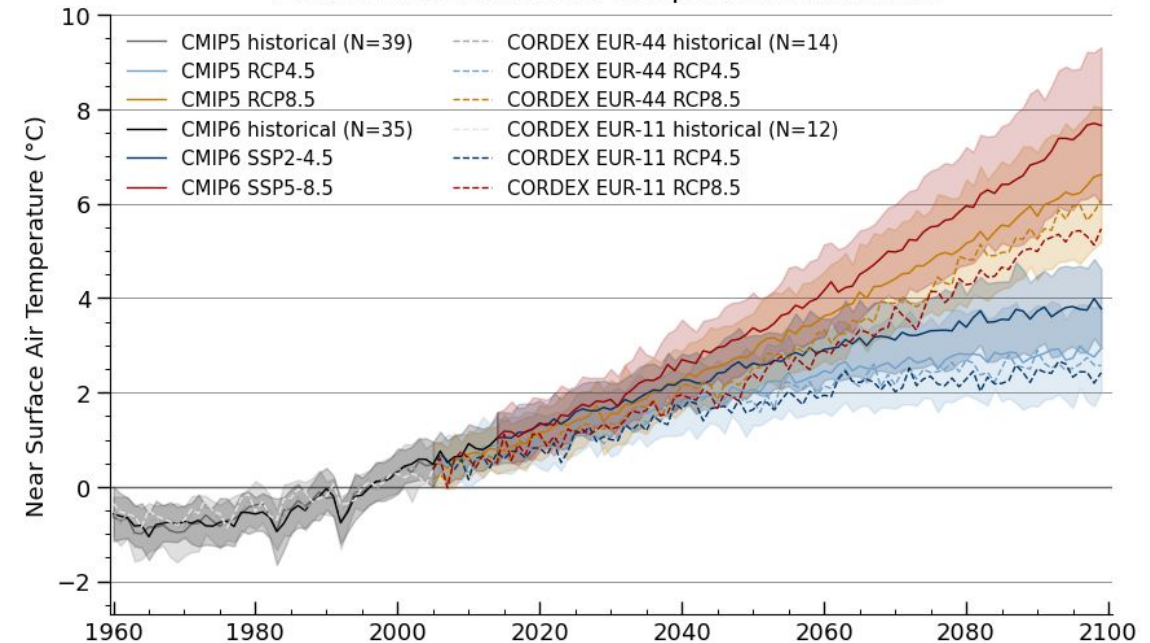
Evaluation workflows and the IPCC WGI dilemma

Global annual mean and Mediterranean land summer temperature. However, users become extremely confused in a situation like this.

Global temperature anomalies



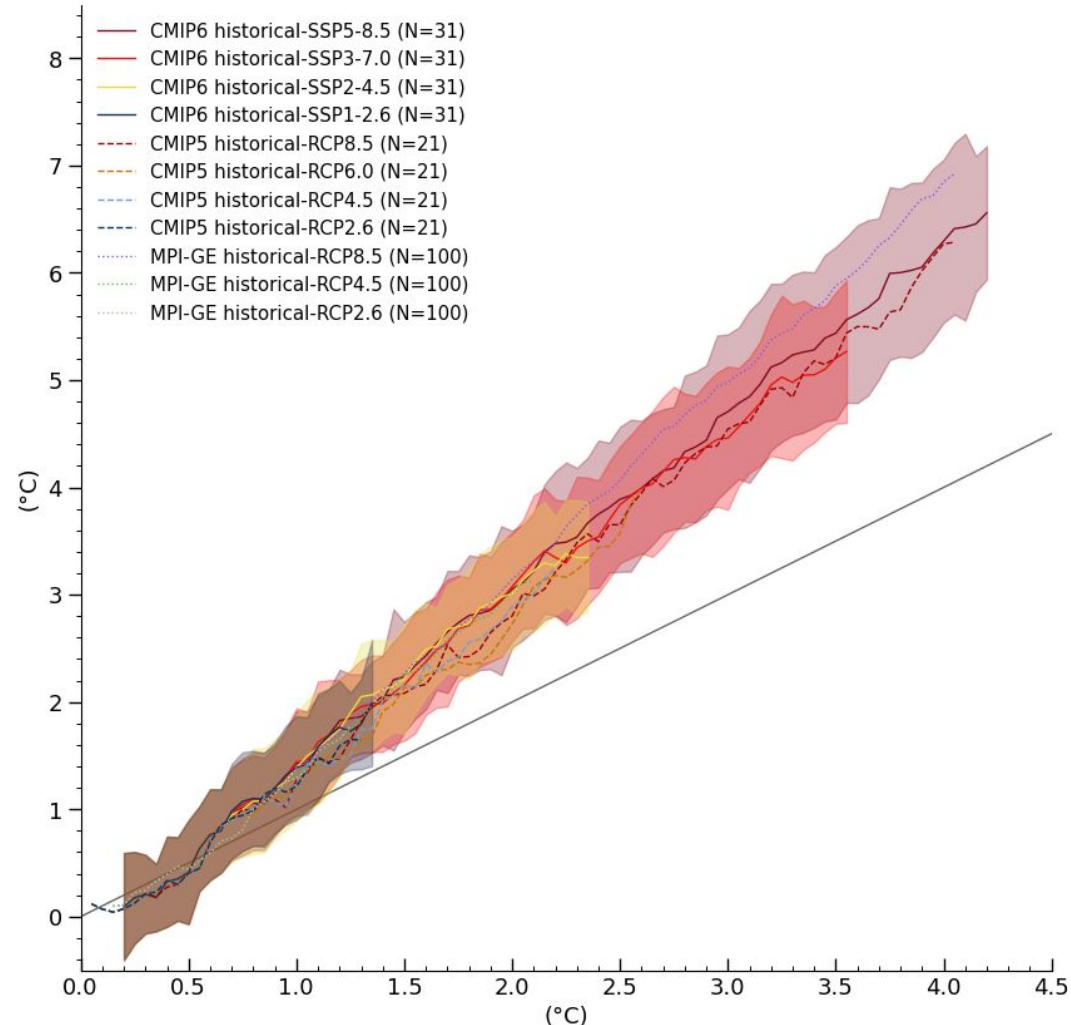
Mediterranean summer temperature anomalies



Evaluation workflows and the IPCC WGI dilemma

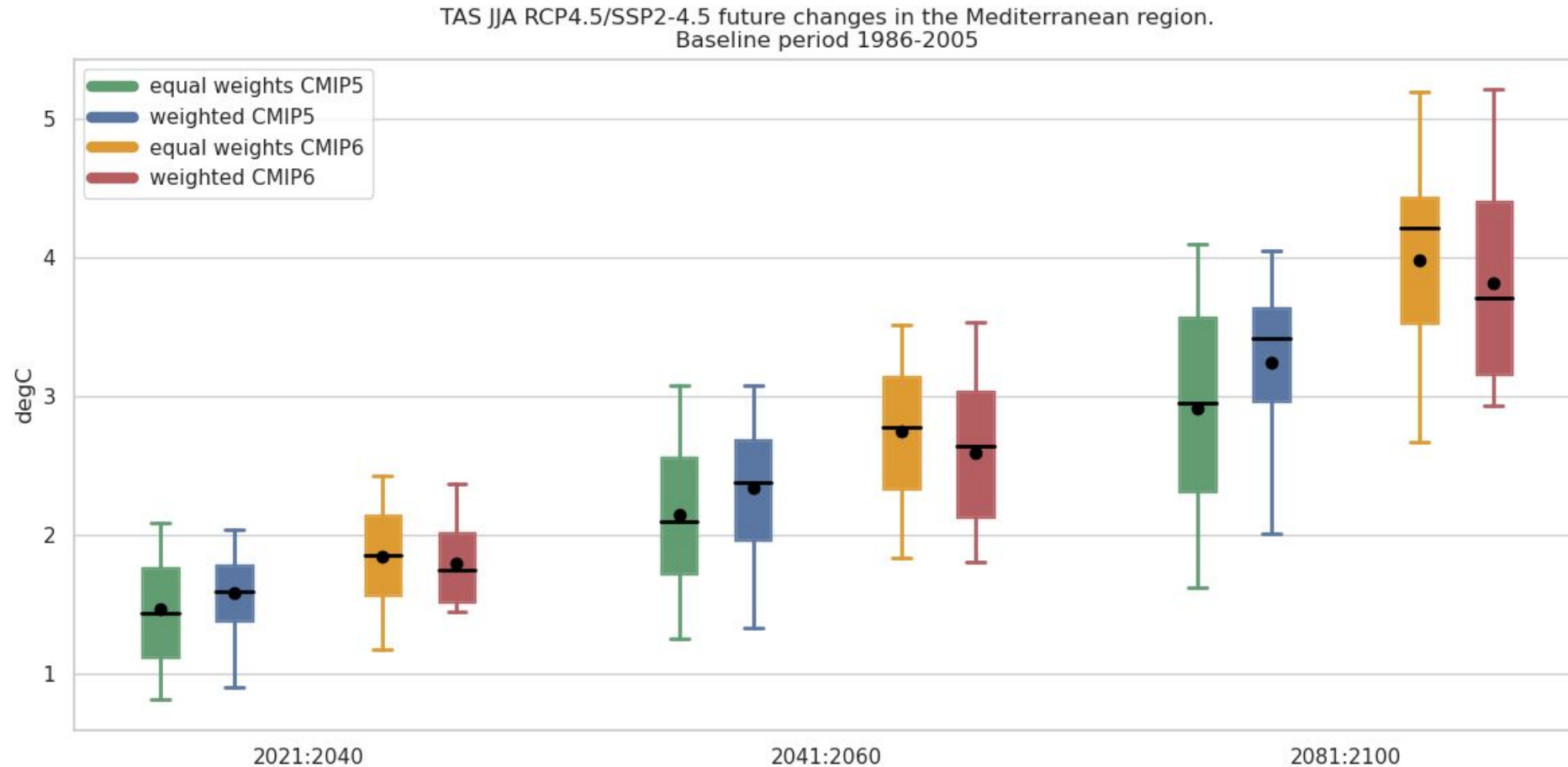
Mediterranean summer land temperatures scale with global mean temperature in a consistent way for CMIP5 and CMIP6.

Mediterranean summer vs global warming



Workflows to synthesize different lines of evidence

Different approaches are used to weight temperature projections: one that weights as a function of similarity to the reference and model independence.

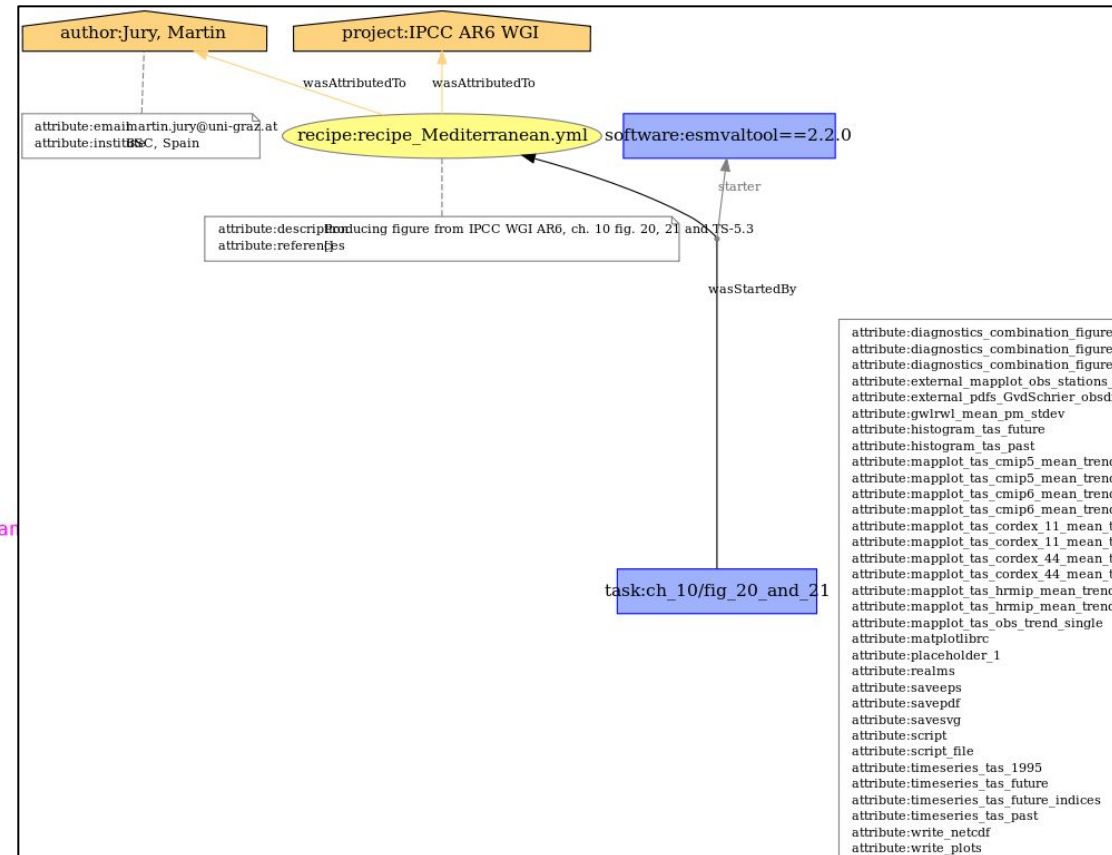


How traceable are the results?

Generalised metadata provision and workflow provenance is fundamental to ensure a minimum quality of the climate information. The IPCC WGI now follows that principle.

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