

Past to Future:

Towards fully paleo-informed future climate projections



Background

The P2F project is an EU-funded consortium that brings together 24 partners from a wide-range of disciplines in future climate model development, paleo-climate data collection, and applied mathematics.

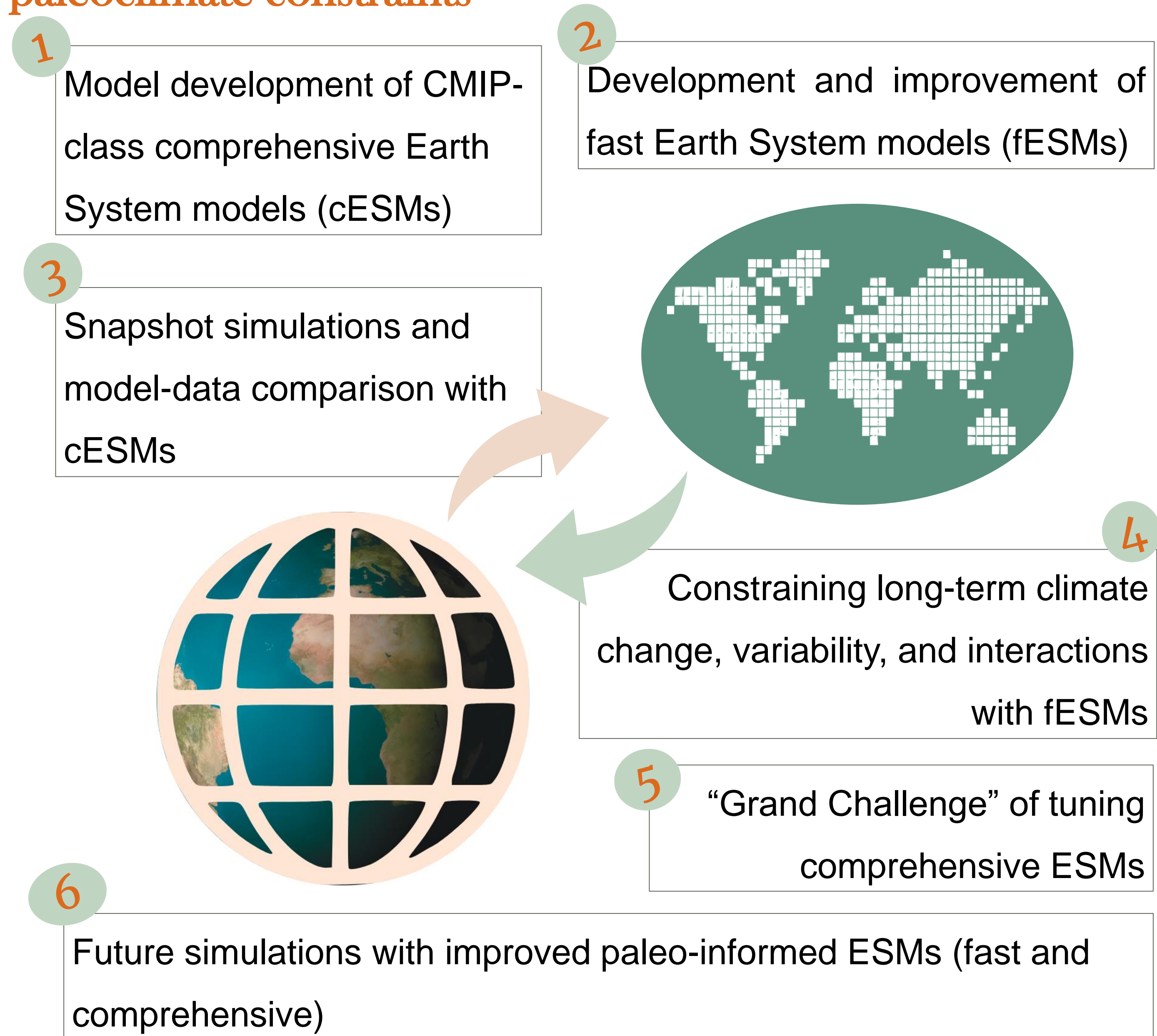
Structure

P2F is composed of four scientific work streams (WS):

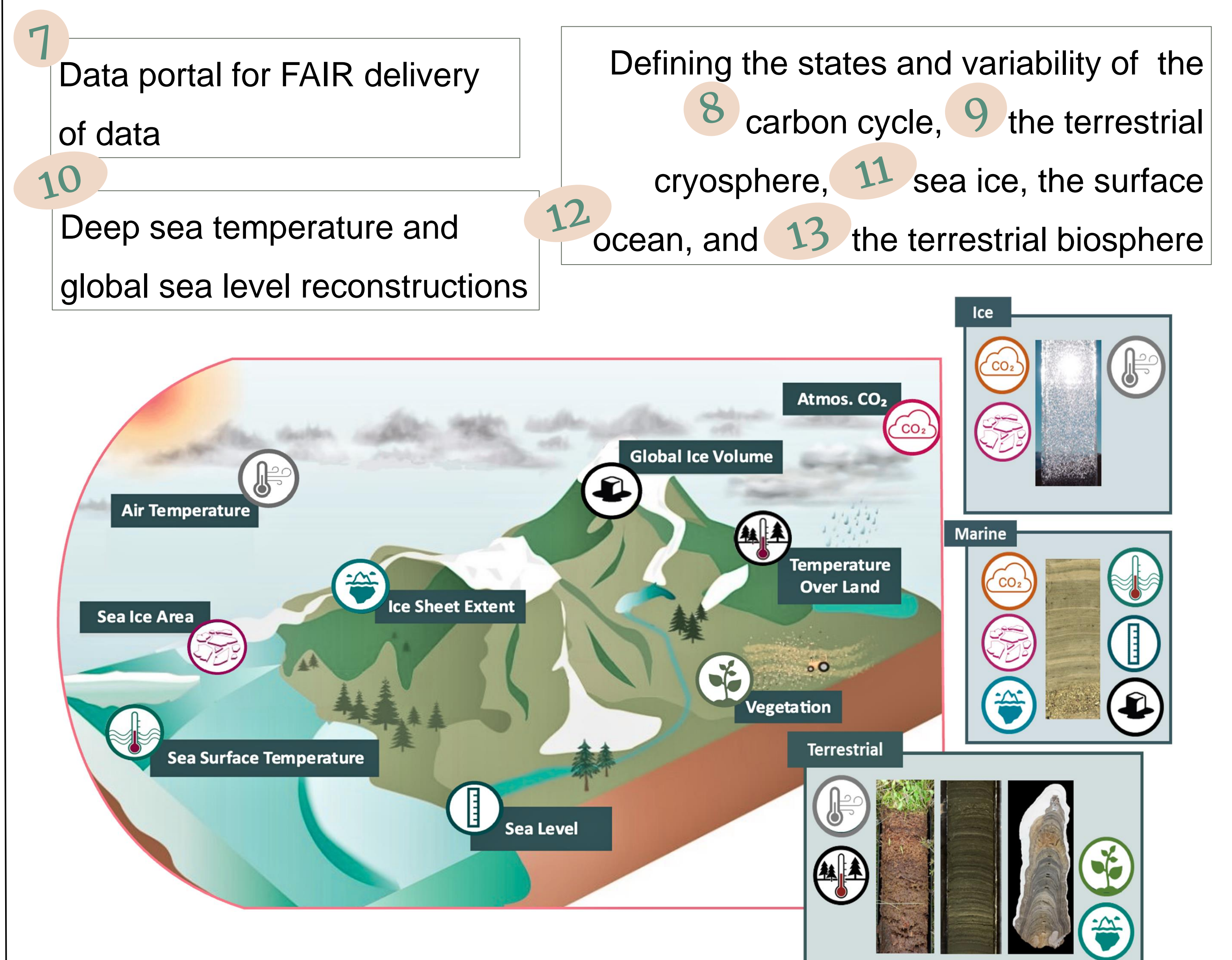
Goal

P2F's overarching goal is to create a framework that uses new knowledge of past climatic conditions to project future climate change on spatio-temporal scales relevant for societies, ecosystems and the planet as a whole, and to advance our ability to understand and anticipate the main climatic and societal impacts of the ongoing climate crisis.

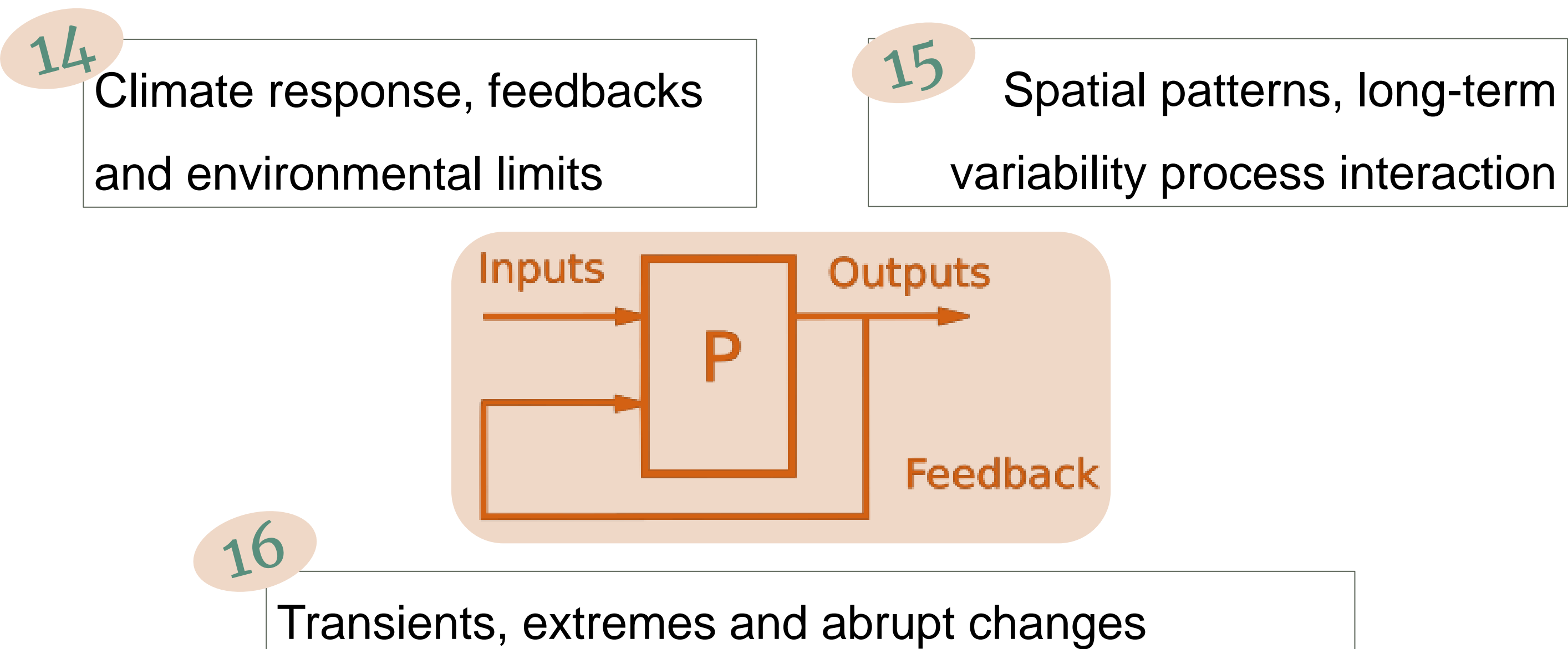
WS1 will evaluate and improve Earth system models with paleoclimate constraints



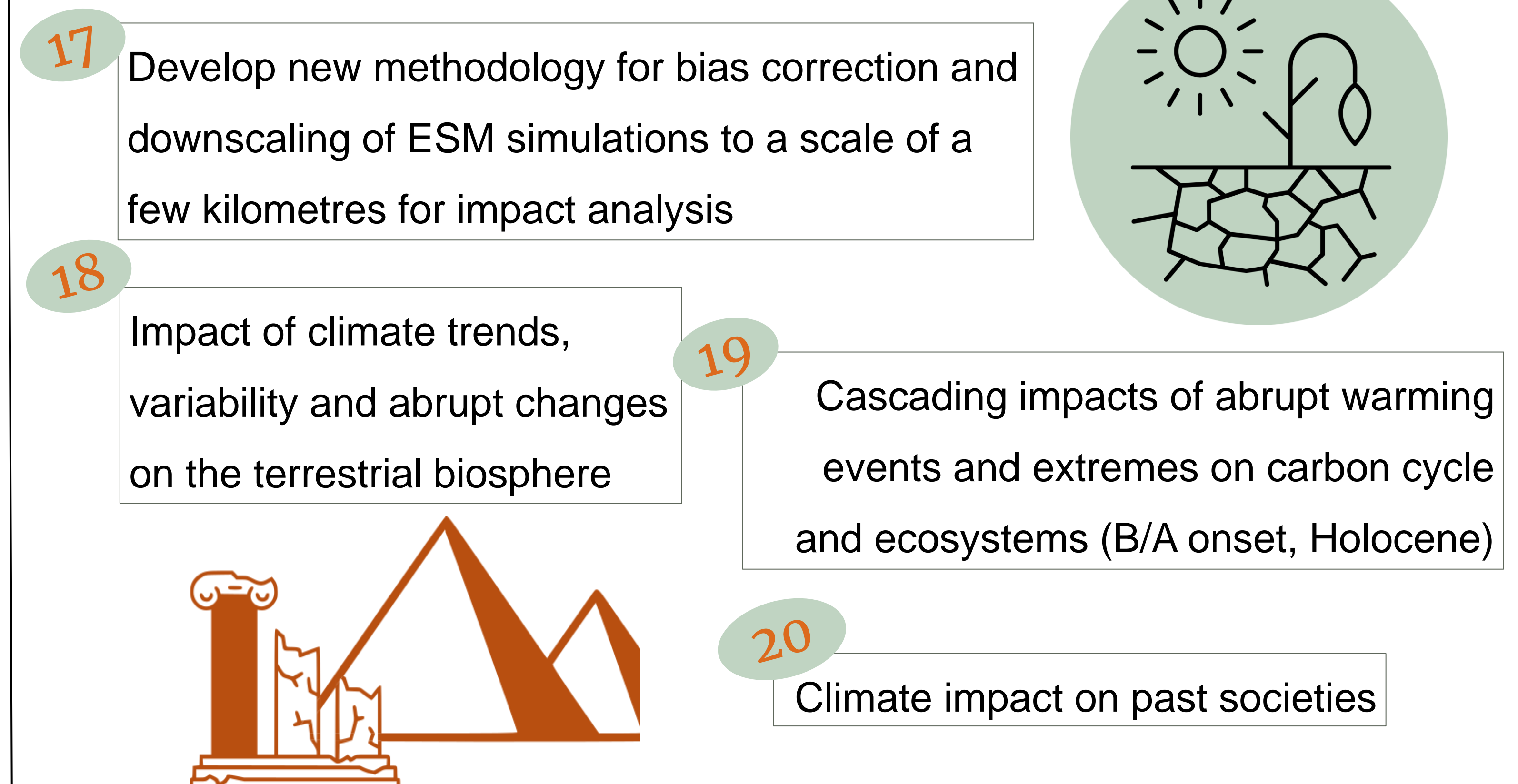
WS2 will integrate and re-evaluate paleoclimate data while adding new reconstructions to key sites and time intervals



WS3 will develop new tools for analysis of model output or data, model validation and tuning, and for helping to generate testable methods that underpin faster and more accurate climate projections.



WS4 will study regional impacts and local effects of large-scale climate on ecosystems, the carbon cycle and societies



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