

# WORLD CLIMATE RESEARCH PROGRAMME

## Joint Scientific Committee Update

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*On behalf of Guy Brasseur, Chair JSC*

*Pan WCRP Modeling Meeting*

*9 October 2017*

*MetOffice, Exeter, UK*



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# WCRP's mission....

... is to facilitate analysis and prediction of Earth system variability and change for use in an increasing range of practical applications of direct relevance, benefit and value to society.

*The two overarching objectives of WCRP are:*

to determine the predictability of climate

to determine the effect of human activities on climate

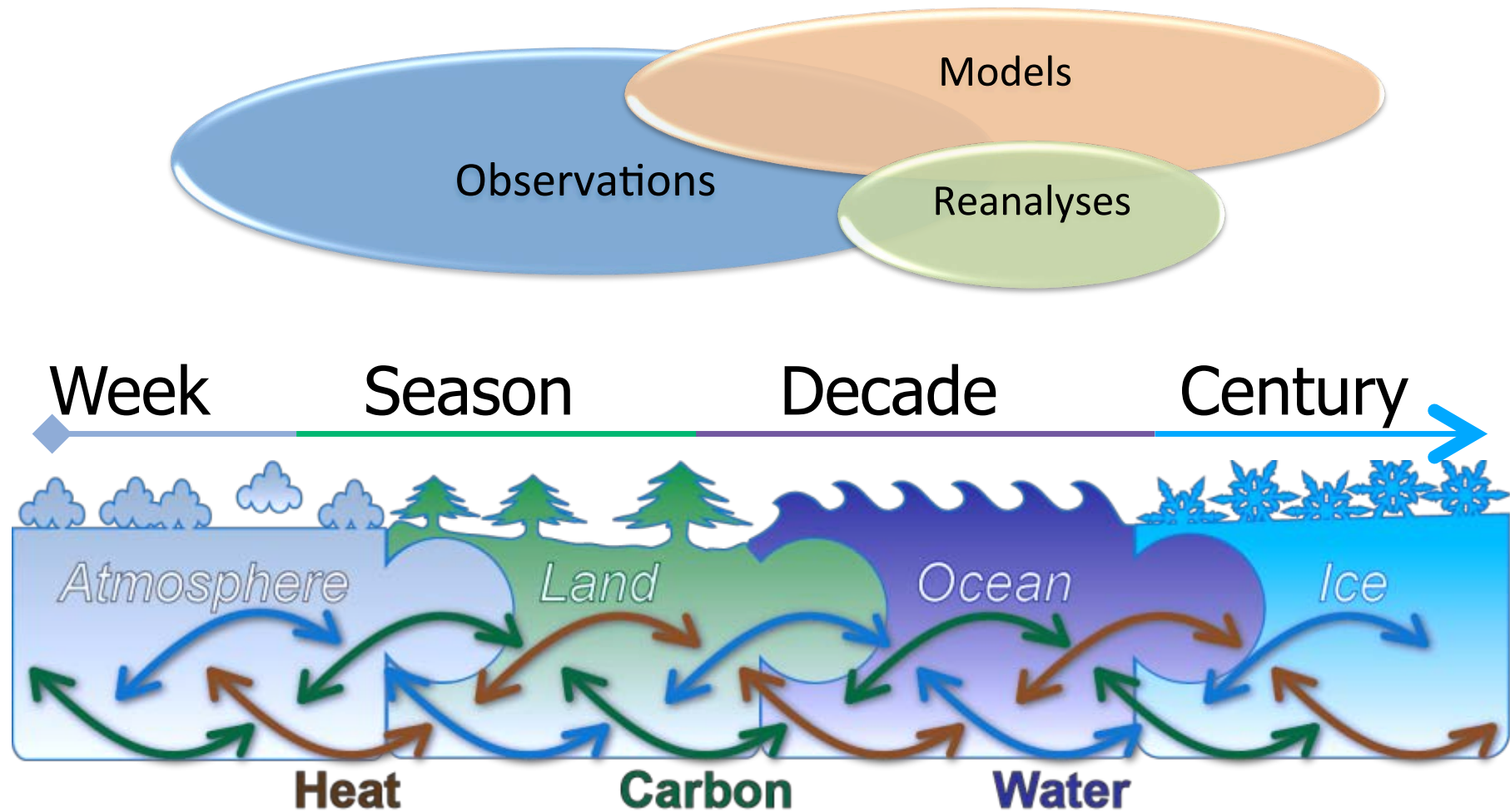


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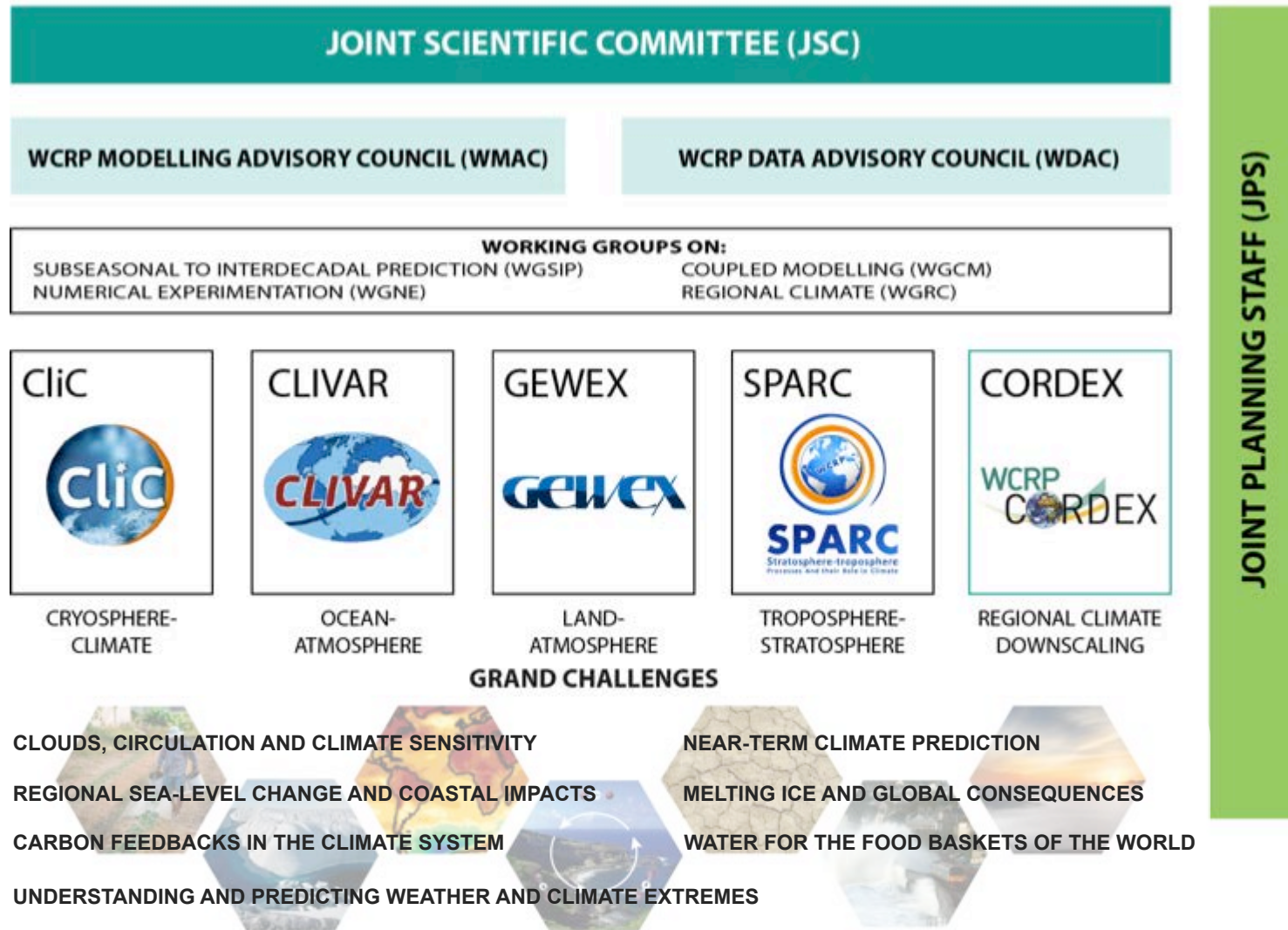
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# Scope of WCRP



# WCRP Structure



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# The way ahead

- Evolution of climate policy and services (COP21, GFCS, ...)
- Evolution of research (fundamental vs applied science, weather and climate seamless enterprise, WMO CAS,...)
- Sponsors' review (focus, structures, ...)
- Overall mission still very relevant
- New emphasis needed



# New WCRP Strategy

## **Strategic Plan for 2019-2029 (the “what”):**

- must respond to societal needs and be transformative
- new intellectual challenges to galvanize the community
- open process: consultation with WCRP community and stakeholders (sponsors, agencies, partner programmes, early career scientists networks, end users, etc) - cf on-going Survey
- main content: emphasis, science questions and imperatives
- first consolidated draft ready by JSC39 in April 2018



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# New WCRP Implementation

## Implementation Plan 2019-2024 (the “how”):

- drafting will start in Spring 2018
- targets
- resources
- partnerships
- structures



# This week

Unique opportunity:

- to review progress and challenges in modeling activities
- to maximize synergies between groups
- to bring new ideas (and to throw some old ones...)
- to feed into the WMAC session
- to contribute to the Strategic Planning
- to have fun



Many thanks to the UK MetOffice for hosting us!

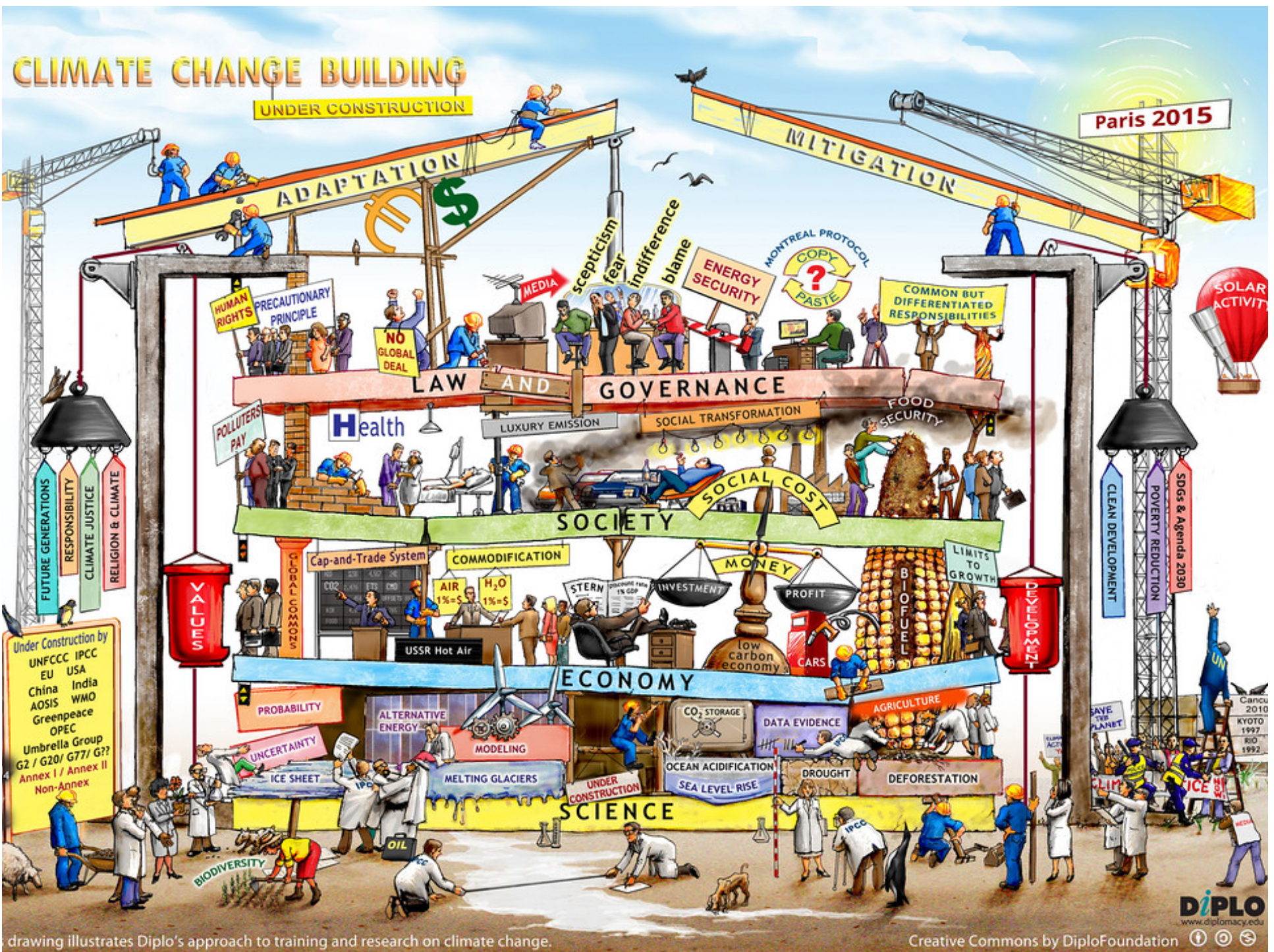


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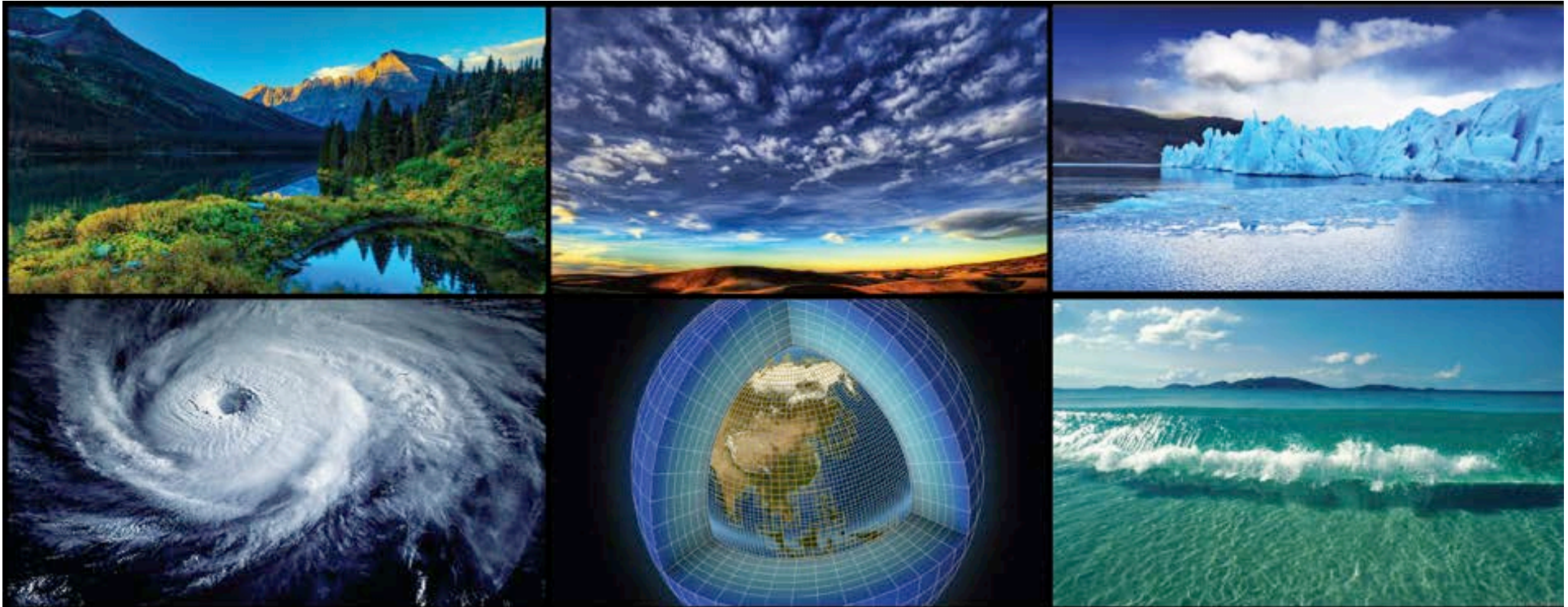
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drawing illustrates Diplo's approach to training and research on climate change.





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*Thank you for your attention!*



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