



VISION

A world where reliable, long-term climate observations drive scientific understanding, inform decision-making, and support global efforts to mitigate climate change and build a sustainable future.



PHASE 01 – UNDERSTANDING THE INITIAL SITUATION



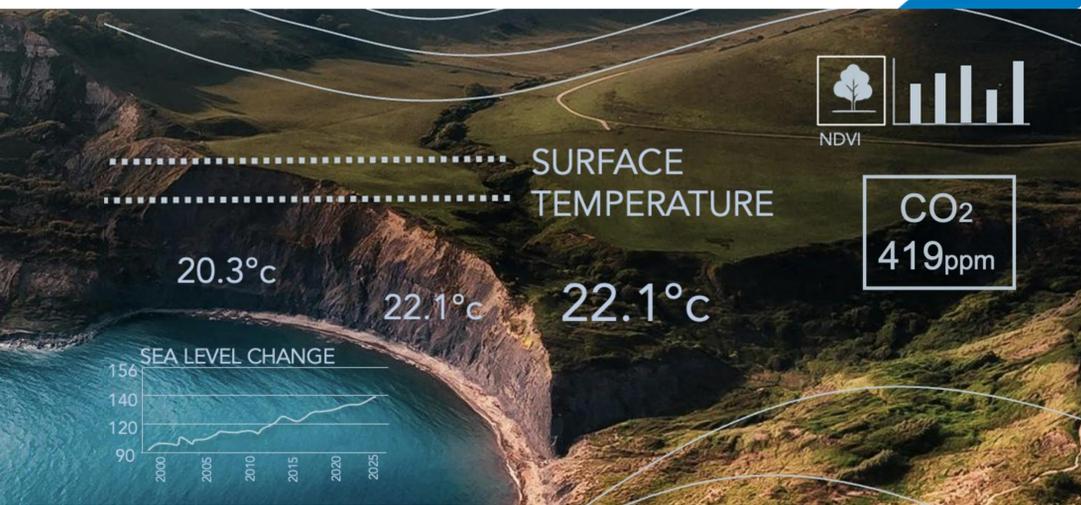
PHASE 02 – ACTION THROUGH DEMONSTRATORS



PHASE 03 – GUIDANCE AND RECOMMENDATIONS

KEY OBJECTIVES

- #1** Provide an assessment of the current EO value chain for Essential Climate Variables (ECVs) and identify gaps, and shortcomings that limit full exploitation from observations to services.
- #2** Identify the most suited actions for harmonization of the EO ECV data value chains across the three organizations and beyond.
- #3** Establish an action plan to further support exploitation of the wealth of EO data from science to services, integrating the key initiatives and programmes in GEO, GCOS and WMO.
- #4** Engage stakeholders in a joint strategy for supporting the improvement and the implementation of climate services in support of policies and international treaties.



THIS IS BEING ACHIEVED THROUGH 5 KEY WORK PACKAGES

WP1: MAPPING

Reviewing the strategies, programmes, and governance of WMO, GCOS, and GEO to identify overlaps, gaps, and complementarities, and propose better coordination of climate data systems.

WP2: ASSESSING

Assessing the full observation infrastructure for Essential Climate Variables, mapping the data value chain, identifying gaps, and improving accessibility, usability, and interoperability

WP3: DEMONSTRATING

Turning climate data into practical tools that help people and communities adapt to climate change, through two real-life examples (demonstrators): one on urban resilience and one on ecosystem mapping.

WP4: EXPLOITING

Transforming climate data into actionable insights by developing guidance and tools, supporting global data centres, and promoting AI and other innovations for climate services delivery.

WP5: ENGAGING

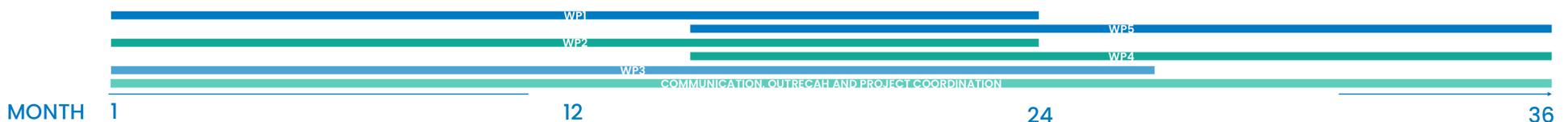
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STRATEGIC LEVEL

RESEARCH AND TECHNICAL LEVEL

DEMONSTRATION LEVEL

PROJECT TIMELINE



THE PROJECT IS CO-DESIGNED WITH A WIDE RANGE OF PARTNERS

PROJECT OVERSIGHT COMMITTEE

GUIDANCE FOR REINFORCING SYNERGIES

5 close working partners*

Co-designed with stakeholders, provide further direction for strategic investments enhancing the use of EO data.

STAKEHOLDER ADVISORY PANEL

INTER-ORGANISATIONAL COOPERATION

19 consultative partners**

Strengthen collaboration by fostering synergies and aligning efforts under a shared vision.

MORE ABOUT THE PROJECT & GET IN TOUCH



* European Centre for Medium Range Weather Forecasts (ECMWF), European Space Agency (ESA), European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT), European Environment Agency, European Commission Joint Research Centre Knowledge Hub, Intergovernmental Panel on Climate Change (IPCC).

** United Nations Framework Convention on Climate Change Intergovernmental, Oceanographic Commission of UNESCO UN Environment Programme International Methane Emissions Observatory (UNEP/IMEO), Food and Agriculture Organization of the United Nations, Mercator Ocean International (MOI), UN-Habitat, Global Covenant of Mayors (GCoM), Global Biodiversity Information Facility (GBIF), C40 Cities, World Resources Institute (Europe), International Council for Local Environmental Initiatives Resilient Cities Network (RCN), CEOS/CGMS Working Group on Climate (WG-Climate).



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