



Green Cultural Heritage in Horizon Europe

GreenHeritage Meeting and online, Rome
3 October 2025

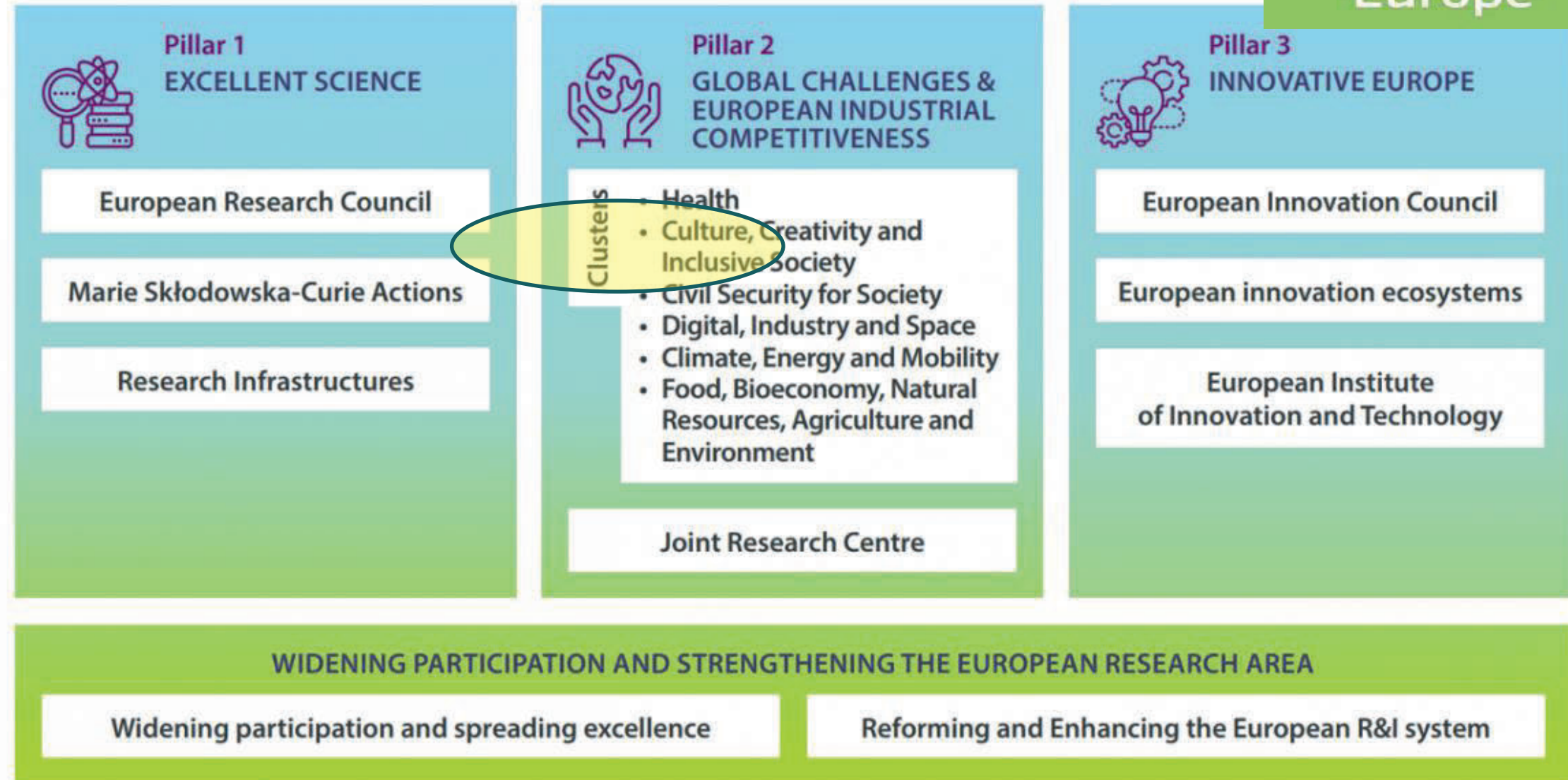


Ana-Maria Stan, EC RTD.D4



Horizon Europe

THREE PILLARS FOR IMPLEMENTATION



Horizon Europe Cluster 2

Culture, Creativity and Inclusive Societies

Pillar II

Budget for clusters & for JRC

Pillar II - Clusters

GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS:

boosting **key technologies** and solutions underpinning **EU policies & Sustainable Development Goals** (6 clusters and JRC – non-nuclear direct actions)



<i>in current prices</i>		
Cluster 1	Health	€8.246 billion (including €1.35 billion from NGEU)
Cluster 2	Culture, Creativity & Inclusive Societies	€2.280 billion
Cluster 3	Civil Security for Society	€1.596 billion
Cluster 4	Digital, Industry & Space	€15.349 billion (including €1.35 billion from NGEU)
Cluster 5	Climate, Energy & Mobility	€15.123 billion (including €1.35 billion from NGEU)
Cluster 6	Food, Bioeconomy, Natural Resources, Agriculture & Environment	€8.952 billion
	JRC (non-nuclear direct actions)	€1.970 billion

Horizon Europe Cluster 2

Culture, Creativity and Inclusive Societies



- **Destination 1: “Innovative Research on Democracy and Governance”**
- **Destination 2: “Innovative Research on the European Cultural Heritage and the Cultural and Creative Industries”**
- **Destination 3: “Innovative Research on Social and Economic Transformations”**

Horizon Europe Cluster 2

Culture, Creativity and Inclusive Societies

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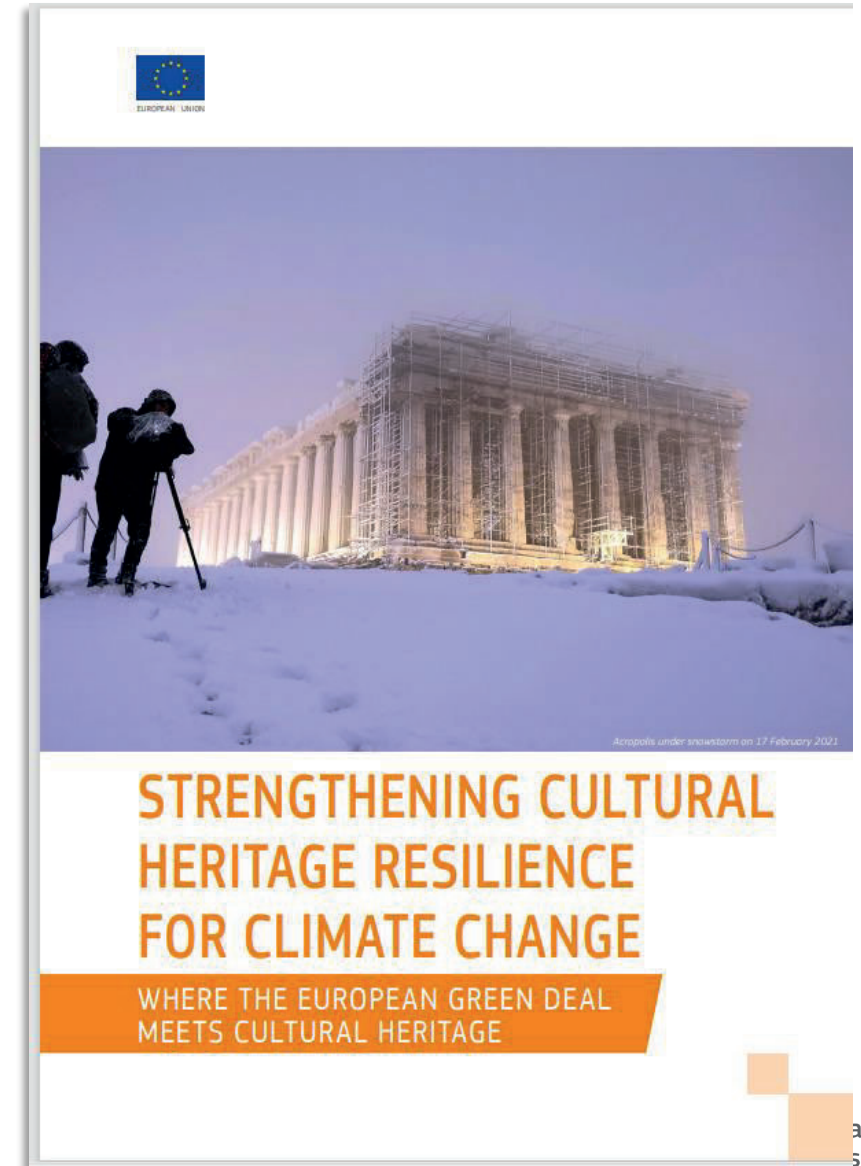
A GREEN EUROPEAN CULTURAL HERITAGE



1. DRIVES **SUSTAINABLE** AND MORE **EQUITABLE** URBAN AND RURAL **REGENERATION** AND PROMOTES INNOVATIVE **RESTORATION** AND **CONSERVATION TECHNOLOGIES**.
2. PROVIDES THE **PERSPECTIVES** WE NEED TO EMBRACE THE **GREEN TRANSITION**.
3. LEVERAGES THE **CULTURAL** AND **CREATIVE INDUSTRIES** AND **ARTS** TO CREATE **SUSTAINABLE ECONOMIC GROWTH** AND **JOB**S.

”

GREEN CULTURAL HERITAGE - Background



ONE CLUSTER - THREE TEAMS

INNOVATIVE RESEARCH for the EUROPEAN CULTURAL HERITAGE

- 1** **Topic: HORIZON-CL2-2021-HERITAGE-01-01**
Green technologies and materials for cultural heritage
- 2** **Topic: HORIZON-CL2-2022-HERITAGE-01-08**
Effects of climate change and natural hazards on cultural heritage and remediation
- 3** **Topic: HORIZON-CL2-2023-HERITAGE-01-01**
Advanced technologies for remote monitoring of heritage monuments and artefacts

**Green
Technologies &
Materials**

**Climate
Effects**

**Advanced
Monitoring
Technologies**

Green Cluster

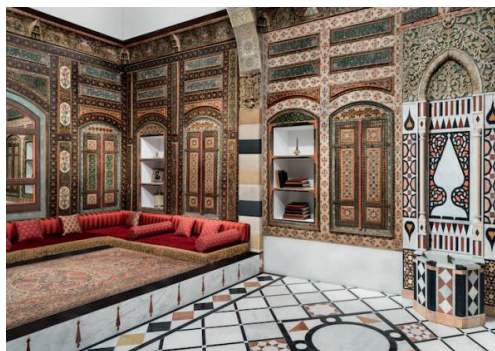
Green Technologies & Materials



GREen ENdeavor in Art ResToration

Start Date: 01/10/2022
End Date: 30/09/2025
EU Contr.: € 3 826 282

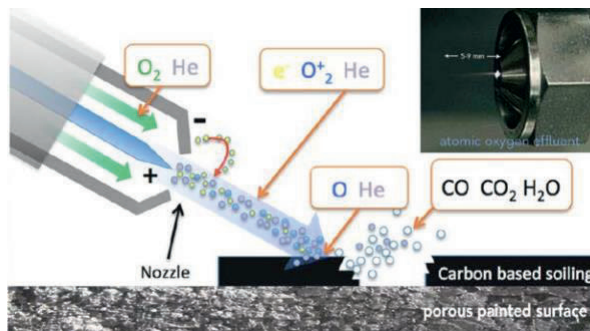
<https://www.greenart-project.eu/>



Green Atmospheric Plasma-Generated
Monoatomic OXYgen Technology for
Restoration of the Works of Art

Start Date: 01/11/2022
End Date: 31/10/2026
EU Contr.: € 4 099 296

<https://www.moxyproject.eu>



Green Strategies to conserve the past and
preserve the future of Cultural Heritage

Start Date: 01/10/2022
End Date: 30/09/2025
EU Contr.: € 3 745 342

<https://gogreenconservation.eu/>



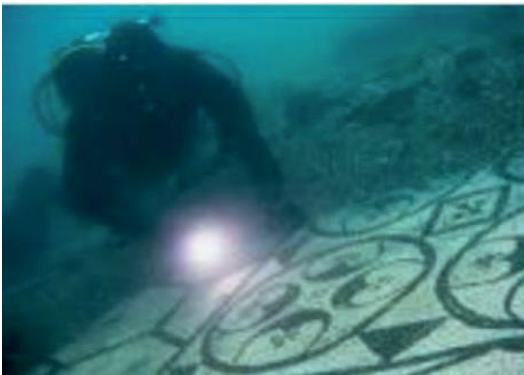
Advanced Monitoring Technologies



Systematic autonomous remote surveying of underwater cultural heritage monuments and artefacts using non-destructive, cost-effective and transportable digital solutions

Start Date: 01/01/2024
End Date: 31/12/2026
EU Contr.: € 3 994 750

<https://nerites.eu/>



Pozzuoli Bay Caldera, IT

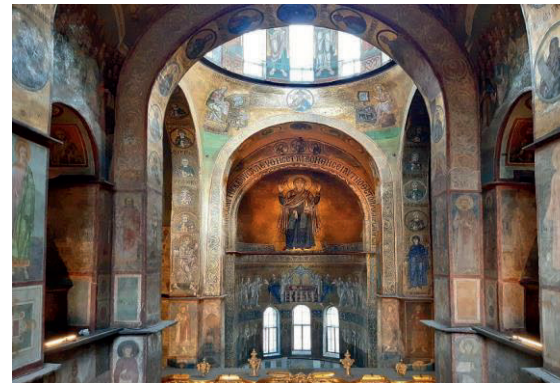


ChemiNova

Novel technologies for on-site and remote collaborative enriched monitoring to detect structural and chemical damages in cultural heritage assets

Start Date: 01/02/2024
End Date: 31/01/2027
EU Contr.: € 3 477 816

<https://cordis.europa.eu/project/id/101132442>



St. Sophia Kyiv, UA



ARGUS

Non-destructive, scalable, smart monitoring of remote cultural treasures

Start Date: 01/12/2023
End Date: 30/11/2026
EU Contr.: € 3 996 147

<https://cordis.europa.eu/project/id/101132308>



Delos Island., GR



European
Commission

Climate Effects Team



TRIQUETRA

Toolbox for assessing and mitigating Climate Change risks and natural hazards threatening cultural heritage

Start Date: 01/01/2023

End Date: 31/12/2025

EU Contr: € 3 991 121

<https://triquetra-project.eu/>



Smuszewo, PL



Equitable Resilience solutions to strengthen the link between Cultural landscapes

Start Date: 01/02/2023

End Date: 31/07/2026

EU Contr : € 3 998 994

<http://resilientculturallandscapes.eu/>



Horta de València, ES



Preserving Underwater and Coastal Heritage

Start Date: 01/05/2023

End Date: 31/10/2026

EU Contr : € 3 999 287

<https://thetida.eu/#/home>



Hiorthhamn Coal Factory, NO



Stone monument ensembles and the climate change impact.

Start Date: 01/09/2023

End Date: 31/08/2027

EU Contr : € 3 372 690

<https://steccihorizoneu.com>



Stecci, BIH

Proposal for a New Partnership

for a Resilient Cultural Heritage

Paradigm shift: Can cultural heritage be counted on to help adapt to and mitigate climate change?

- cultural heritage moves from being a recipient of new technologies and materials to a driver for climate change adaptation and mitigation
- **CH as part of the solution**



Draft proposal - summary

Climate change is a global challenge that severely impacts cultural heritage, nevertheless, cultural heritage can **provide responses to and help limit the effects of climate change on society.**

The Partnership for Resilient Cultural Heritage will **strengthen research on cultural heritage to develop and promote**, through dissemination and capacity building activities, innovative solutions, assessment systems, **adaptation and mitigation strategies and risk management models**, for transmitting cultural heritage to future generations.

The aim is to **make Europe more resilient and climate neutral.**

Definition of cultural heritage mentioned in the Council conclusions of 21 May 2014 on cultural heritage as a strategic resource for a sustainable Europe (2014/C 183/08) and recalled in the European Framework for Action on CH: [https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52014XG0614\(08\)&from=EN](https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52014XG0614(08)&from=EN)

Advantages of a co-fund action under Horizon Europe

- **Funding increase** for collaborative, transnational research and innovation (pooling resources from EU and national budgets)
- **Long-term** research, collaboration and networking opportunities beyond the current R&I framework programme (Horizon Europe) and top-down regular call topics
- **Continuity** in the researched fields such as CH sustainable restoration and preservation and **new research** for example on the cultural-natural relationship and associated risk
- **Governance** structure closer to the research community and other stakeholders at the intersection of cultural heritage and climate change

Expected partners, planned duration & activities

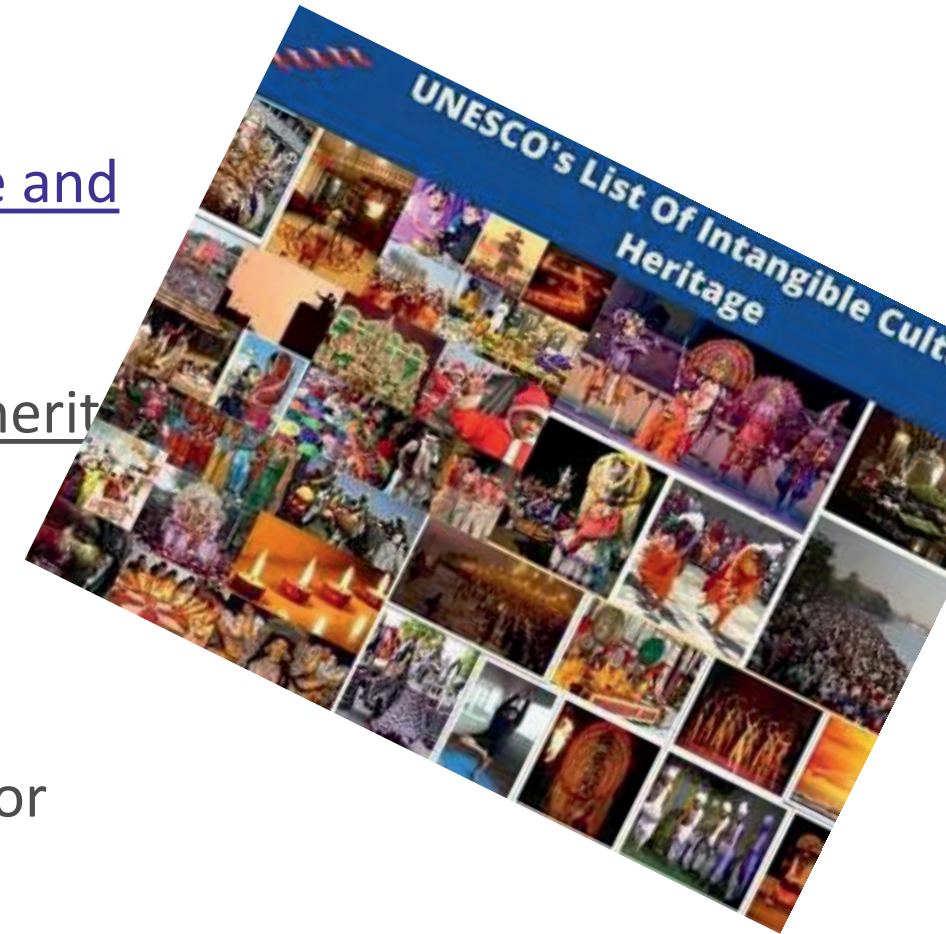
Public partners: MS/ACs respective competent ministries (such as **Research, Culture, Environment, Regional Development**), key CH institutions, universities and other research organisations and funding agencies, public enterprises active in the CH field, regional authorities, foundations and NGOs

Envisioned duration: **7 to 10 years** (transnational calls, workshops, seminars, exhibitions, and other research uptake activities, trainings, clusters of already funded transnational or national projects, joint strategies, institutional alliances/ pooling capacities, use of R&I infrastructures, widening & internationalisation activities, etc.; **first activities in 2026**)



And the Intangible Cultural Heritage in all this?

- Projects under Cluster 2: Intangible Cultural Heritage, Bridging the Past, Present, and Future | INT-ACT
- Transforming crafts knowledge for a sustainable, inclusive and economically viable heritage in Europe | Tracks4Crafts
- - WP 2025 - Innovative approaches to intangible cultural heritage for societal resilience
- WP 26-27 – Safeguarding Intangible Cultural Heritage
- **EU Mission on Adaptation to Climate Change** – support for regional and local authorities in preserving CH



Some more resources:

- [Cultural Heritage and Cultural and Creative Industries \(CCIs\) - Research and innovation](#)
- [European Partnerships in Horizon Europe](#)
- [EU Mission on Adaptation to Climate Change Portal Climate-ADAPT](#)

Thank you!

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