

living planet symposium BONN 23-27 May 2022

TAKING THE PULSE OF OUR PLANET FROM SPACE



EUMETSAT CECMWF



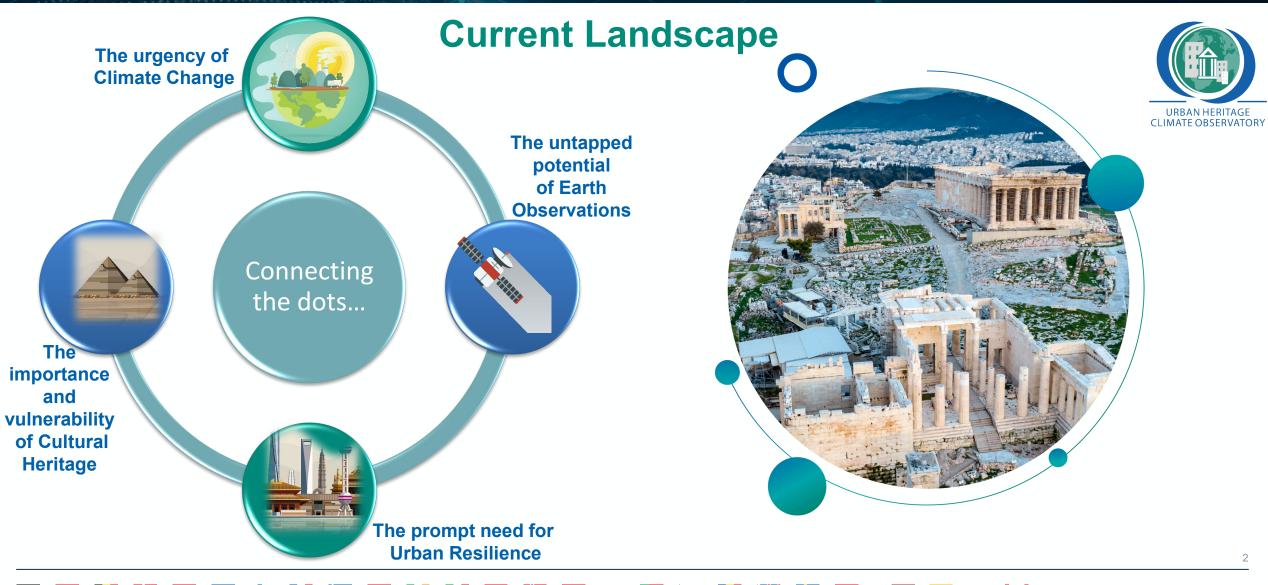
GEO's URBAN HERITAGE CLIMATE OBSERVATORY

Dr. Evangelos Gerasopoulos, Research Director, National Observatory of Athens Co-chair, GEO Programme Board Co-lead, Urban Heritage Climate Observatory

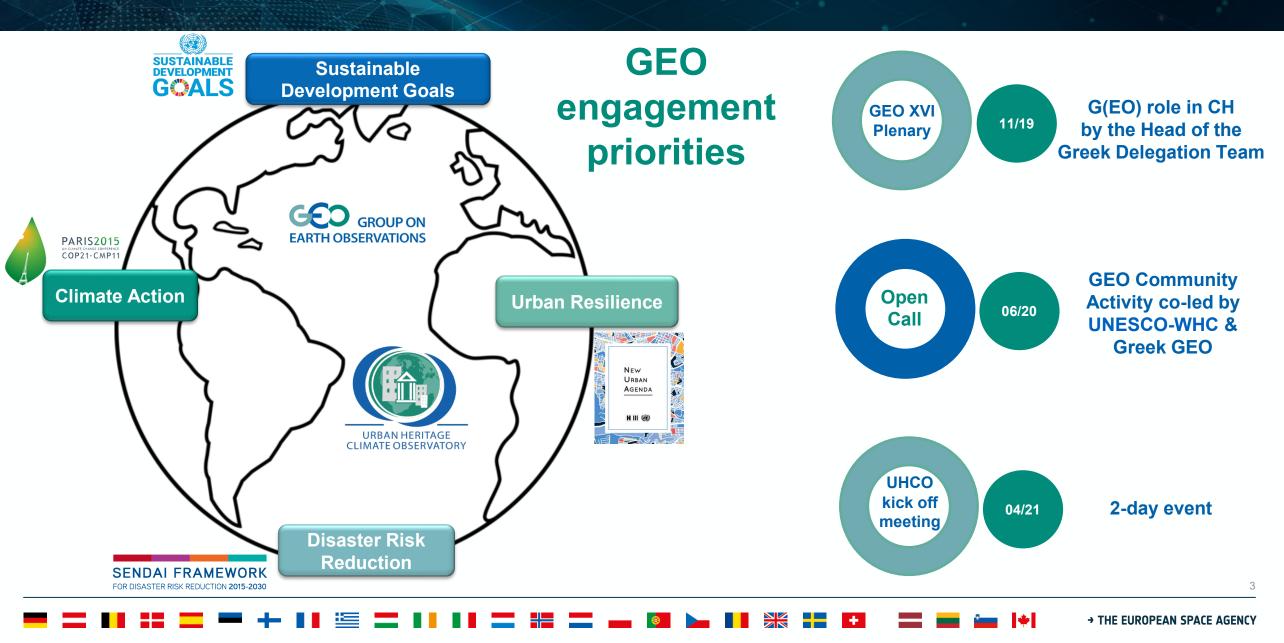
25 May 2022

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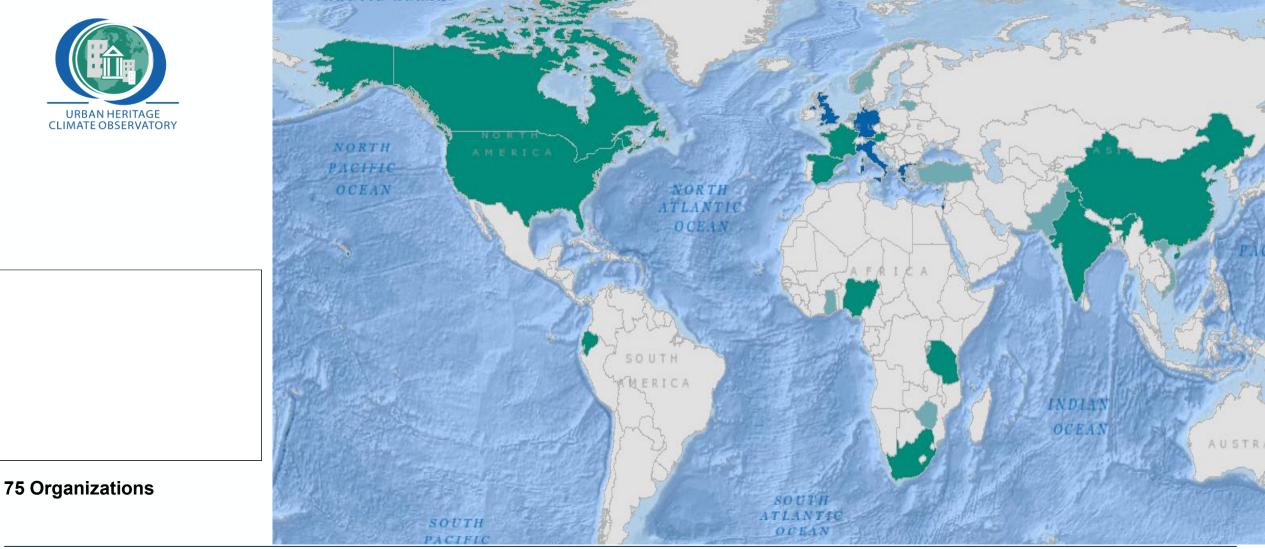






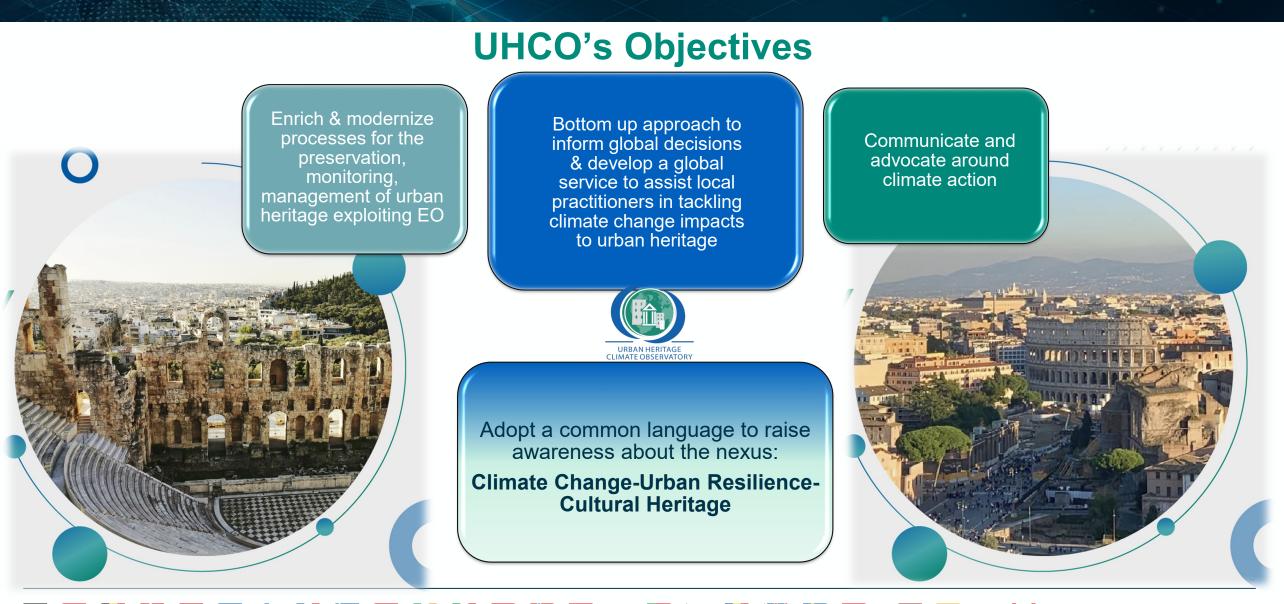






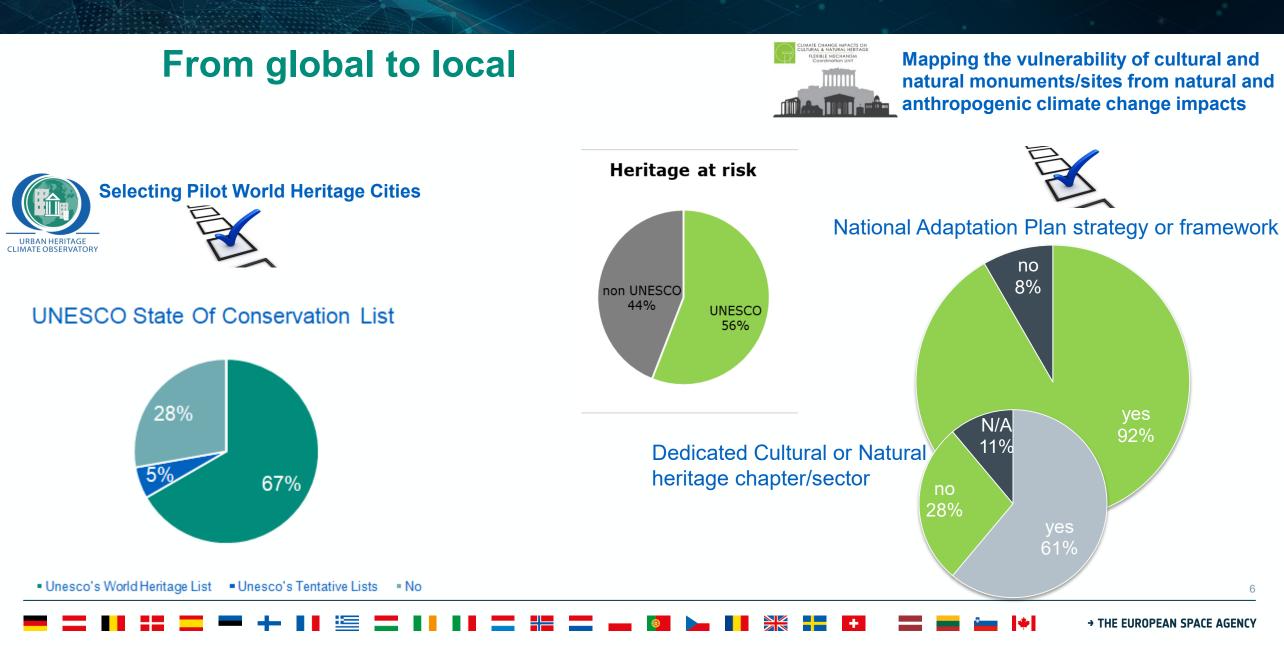






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Impacted values

Mapping the vulnerability of cultural and natural monuments/sites from natural and anthropogenic climate change impacts



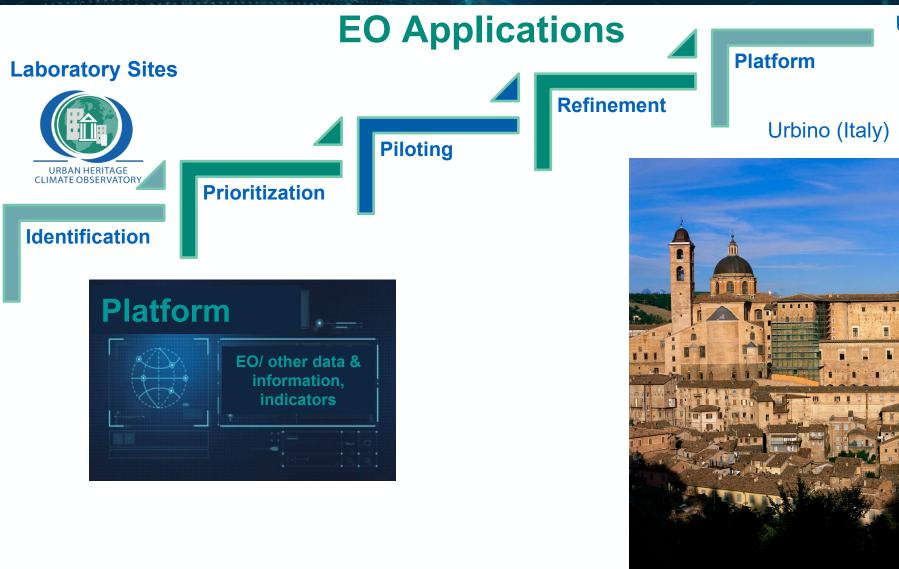
	Impacts	Property costs		
		Tourism		
SI AL		Damage		
		Degradation of OUV		
		Scenic beauty		
		Biodiversity		
	Ecologica	lintegrity		
2364	Intangible Heritage			
	Landscape changes		1	
	Economic losses			
	Local communities			
THE REAL PROPERTY OF THE PARTY	Water shortages or food insecurity			
	Forced migration Conflicts or violence Capacity to address to local scale			
			imp	act
			Experienced	■ Projected
	Geological heritage	9		

City/Urban Complex Values Other social value **Biodiversity** Educational **Economic** Cultura 5 10 15 Ω

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UNESCO World Heritage Canopy

(good practices incorporating heritage conservation into sustainable development)

- Environmental and SE data for risk and vulnerability
- Emission inventories to support mitigation strategies
- Geospatial information

 on population, open
 space in cities, land
 use/change and land
 consumption, in support
 of urban and rural
 planning
- Efficient sustainable agriculture systems

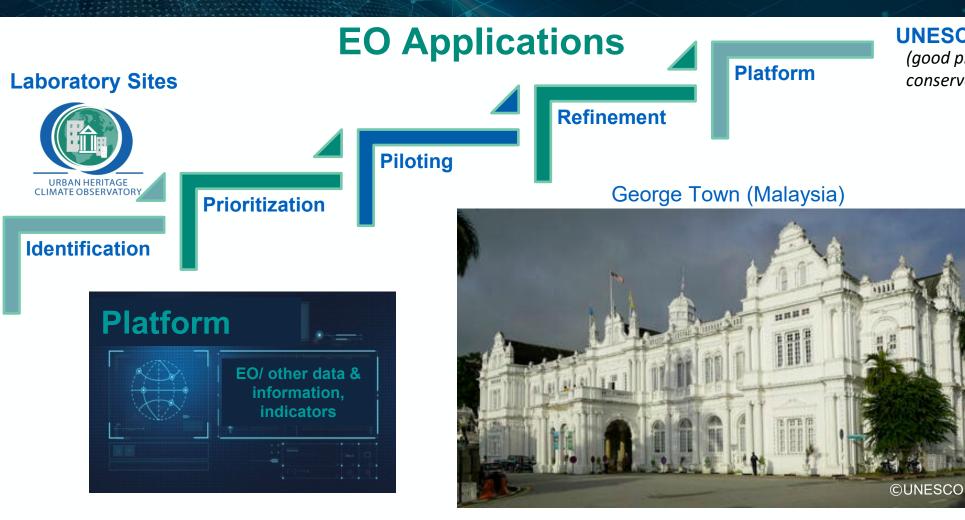
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UNESCO World Heritage Canopy

(good practices incorporating heritage conservation into sustainable development)

- Integration of heritage into the urban development plan
- Monitor the urban heat island effect over cities and support the design of NBS
- Reconstruction of existing green/blue areas in builtup zones

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- . World
- Heritage
- Centre



CLIMATE OBSERVATORY



GED

GROUP ON

EARTH OBSERVATIONS

Urban Heritage Climate Observatory

Thank you!

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