

Horizon Europe 2022

Call factsheet



Copernicus Anthropogenic CO2 Emissions Monitoring & Verification Support (MVS) capacity

To enable the EU to move towards a low-carbon economy and implement its commitments under the Paris Agreement, a binding target to cut emissions in the EU by at least 40% below 1990 levels by 2030 was set, while the EU is committed to deepen this target to at least 55% reduction by 2030. The activities shall support the further development of the foreseen European operational monitoring support capacity for fossil fuel CO2 emissions.

Scope:

- New and innovative methodologies to improve the definition of the correlations between emissions of co-emitted species (CO2, NO2, CO, CH4) in support of CO2 fossil fuel emission estimation;
- New and innovative methods to better use of auxiliary observations such as 14C (radiocarbon), SIF (Solar Induced Fluorescence), and APO (Atmospheric Potential Oxygen) to separate anthropogenic CO2 emissions from the natural variability of CO2.

Topics:

- The continuation of the set up of the new Copernicus element for the monitoring of anthropogenic CO2 emissions.



The indicative budget for this category is EUR 5.80 (Million).

Reference:

HORIZON-CL4-2022-SPACE-01-42

Research and Innovation

Opening: 05 May 2022

Deadline: 06 Sep 2022

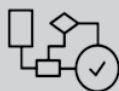
Call overview, Produced 01/10/2021. Visit our website www.opencalls.space

Countries



all

Technology



Copernicus, GEOSS, CO2 monitoring systems/models

Activities



innovation management, research, development monitoring support systems

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