

WORK PACKAGE 9



Coordination, Dissemination, Exploitation and International Liaison

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Website, Twitter & Newsletter

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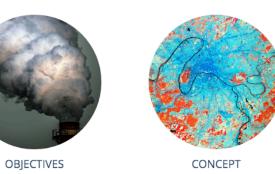
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MONITORING THE HUMAN IMPACT ON CO2

The CoCO2 project builds the prototype systems for a European Monitoring and Verification Support capacity for anthropogenic CO₂ emissions, which will be implemented as part of the Copernicus programme. From 2021 to 2023 CoCO2 will bring together expertise, existing capacities and innovative ideas from a wide range of European and international players.

CECMWF

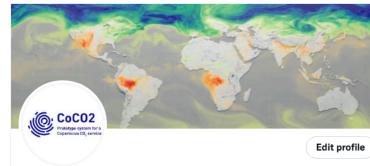




European Monitoring and Verification Support capacity for anthropogenic CO₂ emissions by bringing together expertise, existing capacities and innovative ideas from European and international players.

The CoCO2 project will build the prototype systems for a The CoCO2 project will deliver the prototype systems for a new European anthropogenic CO₂ emissions monitoring and verification support capacity that can be implemented within the Copernicus programme as one of its service elements.

CoCO2 Project 102 Tweets



CoCO2 Project @CoCO2_project

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The H2020 CoCO2 project will deliver the prototype systems for the new European anthropogenic CO2 emissions monitoring service as part of Copernicus.

III Joined January 2021

42 Following 380 Followers

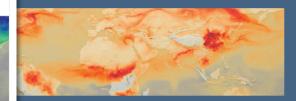
Tweets	Tweets & replies	Media	Likes

CoCO2 Project @CoCO2_project · 3h

The 1st General Assembly of the @CoCO2_project will take place this week from 16 - 18 November. Progress so far, links to other efforts around the world, and plans for the near-future will be discussed. More info: coco2project.eu/events/1st-gen...



Welcome to the July 2021 edition of the CoCO2 Newsletter



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ur to build a monitoring and verification support issions of carbon dioxide (CO2) related to human phase in January 2021 to deliver a prototype system by





International liaison

The CoCO2 project has been presented through presentations at various events:

- CO2 Task Force meeting January
- Event organised by the Panel for the Future of Science and Technology (STOA) of the European Parliament with several MEPs attending - February
- CAMS User Workshop for Norway March
- CO2M Mission Advisory Group April
- ESA EO4UNFCCC workshop April
- VERIFY General Assembly April
- EGU April
- ACTRIS Innovation in Atmospheric Sciences Virtual Workshop May
- CAMS General Assembly June
- CEOS-AC-VC meeting June
- IWGGMS-17 June
- NASA Carbon Research Program Policy Speaker Series June
- CAMS User Workshop for France June
- CO2 Task Force meeting August
- CO2M MAG meeting September
- Copernicus Relay seminar on remote sensing-based GHG assessment in AFOLU, Latvia October
- COP26 November



COP26 - Earth Information Day

Moving towards a European capacity to monitor anthropogenic / natural CO2 emissions The CoCO2 and VERIFY European projects



Senice

Objectives: An operational system to support national GHG inventories

➤ INTEGRATE EFFORTS from the research community, national inventory compilers, operational centers, international organizations.

VERIFY



CO2 fossil / biofuel

anthropogenic GHG fluxes. PRODUCE annual synthesis of GHG balance in Europe.





➤ DEVELOP a Copernicus CO₂ Monitoring and

Verification Support Capacity (CO2MVS)

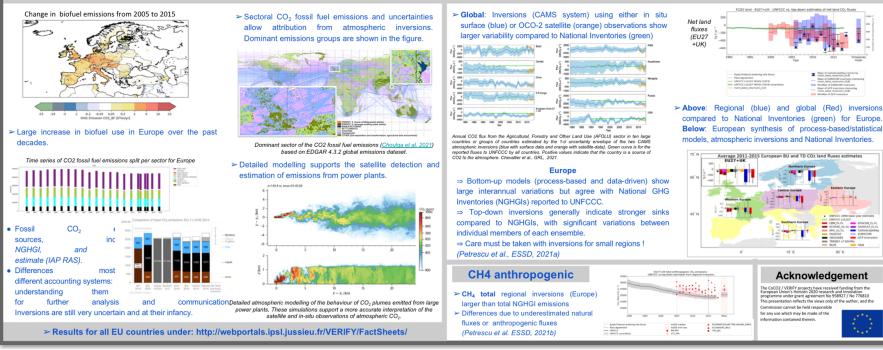
⇒ Use of atmospheric & ecosystem measurements (in situ and satellite) with existing modeling systems

Method: Observation-based system to estimate GHG fluxes

- ≻ Combine complementary approaches including atmospheric inversions and process-based / data-driven models: global & regional (Europe) applications Data Assimilation to merge information
- from model and observations Develop a Community Inversion Framework
- Exploit Anthropogenic Activity Data as demonstrated by carbonmonitor.org



CO2 land biosphere



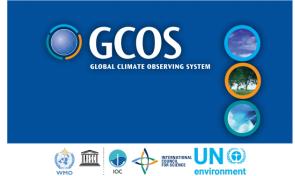
CoCO2 – Prototype system for a Copernicus CO₂ service



Global coordination

CoCO2 collaborates with or is represented within various international collaboration frameworks.

ICOS Integrated Carbon Observation System



GEU







Committee on Earth Observation Satellites



United Nations Framework Convention on Climate Change



Deliverables

D9.1 Risk and Quality Management Plan



D9.2 Project Website



D9.3 Dissemination and Exploitation Plan



D9.4 Media and Communication Plan



D9.5 Data Management Plan



D9.9 1st Overview of sensitivity studies performed in CoCO2







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