





Copernicus Climate Change and Atmosphere Monitoring services:

NATIONAL COLLABORATION PROGRAMMES

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CAMS National Collaboration Programme





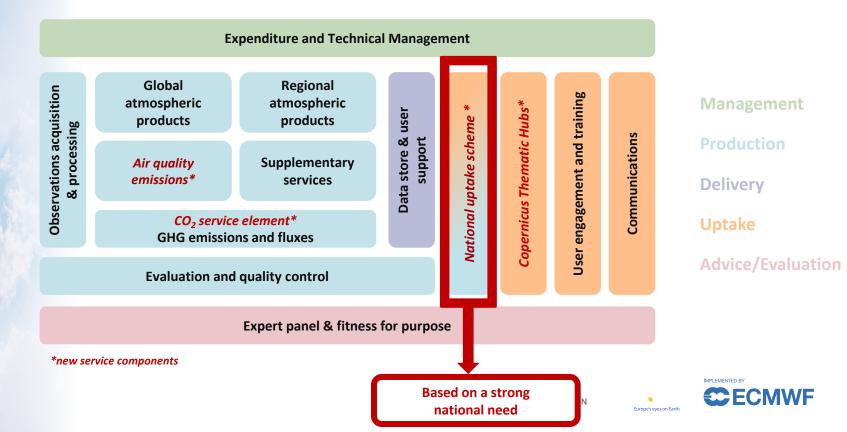








CAMS ARCHITECTURE





Monitoring

The main objectives

National Collaboration Programme



New approach to the Copernicus national institutional users

- to enhance the uptake of CAMS products at national level by co-designing and codeveloping joint activities
 - to assess the quality and fitness for purpose of CAMS products over national domain (user feedback & user needs)
- to provide a gateway to reach the general public at national level and in national language (communication)
- Is a priority for CAMS2.0, with 16M€ carved in the budget to allow all the countries to be involved
- NCP web site with countries contributions
- Community of Experts: Atmosphere User Forum







ollen and dust monitoring objectives and in further phases, providing support to climate mitigation actions via and verification of CO2 and other GHG emissions. The CAMS NCP programme runs until 2027 with tangible actions co-designed with national institutes in a thorough Involved countries Direct use of CAMS products at national level CAMS air quality products downscaled at national leve Exploitation of the CAMS emission data set at national leve Training and knowledge transfer

on CAMS products and services during the implementation of their mandate. The NCP is an initiative of ECMWE endorsed by

ission, and is based on a strong need for collaboration at national level detected over the past years.



Country participation and modules selection

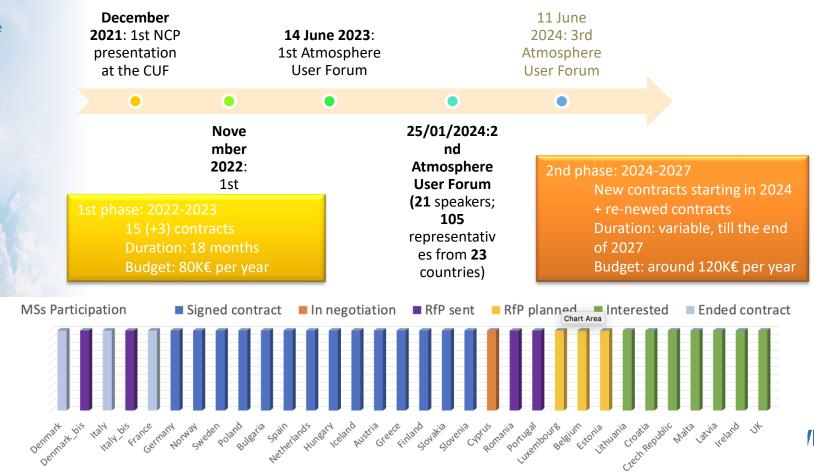
Each project is unique for each country, based on a "menu" of optional activities that have been decided together with the country. Communication is mandatory.

Within the WP, detailed tasks are specific for the country but there will be commonalities so that countries involved can share experience.

	CAMS NCP Work Wackages	COUNTRY	WP1 reporting	WP2 direct use	WP3 downscaling	WP4 emissions	WP5 in situ support	WP6 Communicati on	WP7 Training
a.	Reporting	DENMARK		Х	Х			Х	х
		ITALY		Х	х	x		х	Х
b.	Direct use of CAMS products	GERMANY		Х	Х	х		х	
		FRANCE	Х		х	Х		Х	
c.	Air quality downscaling over country	THE NETHERLAND			x			x	
d.	Emissions	SWEDEN		x	x			Х	
		POLAND		x	x	Х		x	
e.	Support monitoring to in-situ network	NORWAY	Х	x		Х	Х	x	
		BULGARIA		x	x			X	
		ICELAND					Х	x	Х
f.	Communication	SPAIN		х				x	Х
		HUNGARY		х				x	
g.	Training	AUSTRIA	Х	х	x			x	
		GREECE			х		Х	x	
4		FINLAND		x	x		Х	x	
		SLOVAKIA	Х	x	x			X	
		SLOVENIA		x	x	Х		x	

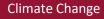
Atmosphere Monitoring

Roadmap and countries participation





C3S National uptake













C3S National Uptake actions

C3S User Intelligence:

 User Interaction sessions with National institution(s)

Starts Q3-Q4 2024, based

on identified key users

needs

 DG CLIMA Policy Workshops

1. User Intelligence and User Uptake sessions

Survey CUF + follow-up interviews
 Support for Joint Coordination

Support for Joint Coordination
 Office C3S NCP

Calls for C3S NCP actions

2. Actions on National Uptake for Core Users

4.Applications and Workflows on demand

3. Training & knowledge transfer

- Training Events
- Mini MOOC
- Roster of experts



PROGRAMME OF THE EUROPEAN UNION







2. Support for Joint Coordination Office C3S NCP

- Primary goal: engage with public authorities and climate specialists at national level with all countries
- Main objectives:
 - to facilitate dialogues amonst all countries, to raise awarness on the C3S service offer and its evolution, to discuss gaps and to enhance cohesion on the applicability of C3S data and products at both national and transboundary level – C3S NCP Forum
 - 2. To co-design, together with national users, topics for actions **bilateral interactions**

2. C3S National Collaboration Programme goals & strategy

What we want to achieve with this programme:

- ✓ Increase the uptake of C3S products and services
- ✓ Raise awarness and capacity building at national/sub-national level
- ✓ Collect **feedback** on C3S products and new requirements









From the survey to the call for actions

2. Actions on National Uptake for

Core Users



Joint Coordination Office

NCP Forum



National needs (from the survey)



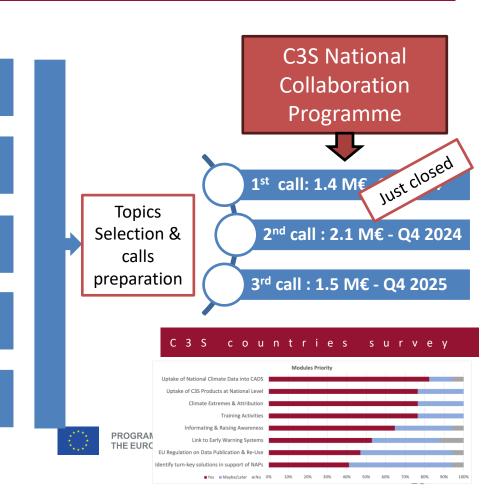
Needs collected through the User Interaction sessions



On-going C3S studies (e.g. regional reanalysis)



C3S strategic priorities





- ✓ NCP is a challenging and completely new service element for both services, requiring efficiency and scalability
- ✓ great willingness of MSs to participate (C3S: 17 survey responses, CAMS: 17 on-going contracts- soon 18)
- ✓ Modular approach with different modules/ products and batches of call for actions to allow more flexibility in term of objectives and time
- ✓ Importance of the **Impact and Sustainability** of the project at national level (long-term perspective and national follow-up) and **Communication**
- ✓ Importance of the **co-designed & co-developed** approach; capacity building and capacity development; manage expectations from the countries
- ✓ Creation of 2 Communities of Experts
 - ✓ **Atmosphere User Forum** (https://atmosphere.copernicus.eu/3rd-atmosphere-user-forum)
 - ✓ C3S NCP Forum (https://climate.copernicus.eu/first-c3s-national-collaboration-programme-forum)







Thank you for your attention!

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