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D4.5 User Uptake Plan M12



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COORDINATOR	Jürgen Vogel
ADDRESS	bavAIRIA e.V. Sonderflughafen Oberpfaffenhofen, Friedrichshafener Strasse 1, D-82205 Gilching.
REPLY TO	
EU PROJECT OFFICER	Iulia Simion

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Responsible author	Julia Yagüe
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List of Acronyms

Acronym	Meaning
CDTI	Centro para el Desarrollo Tecnológico Industrial
CSC	Copernicus Space Component
CUF	Copernicus User forum
DIAS	Copernicus Data and Information Access Services.
EARSC	European Association of Remote Sensing Companies
ECMWF	European Centre for Medium-Range Weather Forecasts
EEA	European Environmental Agency
EEEs	Copernicus Entrusted Entities
EGNOS	European Geostationary Navigation Overlay Service
EMSA	European Maritime Safety Agency
EO	Earth Observation
ESA	European Space Agency
EU	European Union
FRONTEX	The European Border and Coast Guard Agency
FWC	Framework Contract
JRC	EU Joint research Centre
LRA	Local Regional Authority
PWC	Price Waterhouse Copper
RUS	Copernicus Research and User Support
SME	Small and medium Enterprise
TBD	To be determined

Definition of terms:

- **Copernicus Stakeholders:** the most generic reference to the large Copernicus family of individuals and entities involved in the Copernicus programme
- **Copernicus users,** refers to individuals, industries, research, public entities, etc. actually using and benefiting from Copernicus data, services and added value services
- **Copernicus potential users,** refers to the said individuals or communities, knowledgeable of Copernicus, that have not yet begun using it for the implementation of their mandate or obligations.

- **Copernicus Entrusted Entities (EEEs)**, dedicated service providers through "Delegation Agreements" by the European Commission for the implementation and operation of Copernicus [core] services".

COPERNICUS ENTRUSTED ENTITIES	DOMAIN
EEA - European Environment Agency	Land
JRC - Joint Research Centre	Land
JRC - Joint Research Centre	Emergency
ECMWF - The European Centre for Medium-Range Weather Forecasts	Atmosphere
Mercator Ocean	Marine
ECMWF - The European Centre for Medium-Range Weather Forecasts	Climate Change
FRONTEX - Agency for the Management of Operational Cooperation at the External Borders of the Member States of the European Union	Security
EMSA - European Maritime Safety Agency	Security
SatCen – European Union Satellite Centre	Security

- **Copernicus Service Providers**, dedicated service providers, either institutional or industrial, through Framework Contracts with the EEEs, for the development of core services
- **Copernicus downstream service providers**, dedicated service providers, either institutional or industrial, that implement the core services with specific added value assets.
- **Copernicus Networks** refers to the Copernicus Academy and Copernicus Relays
- **Copernicus Ecosystem**, refers to the overall Copernicus components and architecture: services, providers, users, EEEs, Relays, RUS, Academy, DIAS platforms, National Representatives, National Fora, Copernicus User Forum
- **Copernicus User Forum (CUF)**, EU Member States representatives assisting the Commission in relation to the implementation of existing Union legislation, programmes and policies, in the preparation of delegated acts and providing expertise to the Commission when preparing implementing measures, i.e. before the Commission submits these draft measures to a comitology committee
- **Copernicus data**, refers to raw data provided by ge positioning GNSS, Sentinel mission, third party contributing missions and in situ data
- **Copernicus information** refers to Copernicus data and Copernicus Services, either core or downstream added value

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2 Introduction

The present document corresponds to Deliverable **D4.5 User Uptake Plan** at M12 (GMV, R, PU) which corresponds to an **update of D 4.1 User Uptake Plan** (H2020 GA N° 821911). The User Uptake Plan at M12 is intended to identify relevant stakeholders and consider appropriate activities along the project to ensure they are kept engaged and trust relationships are built.

WP4 User Uptake proposals for the period M13-M24, build upon achievements reported in D 4.4 User Uptake Report M12.

Activities proposed shall concentrate in the three lines of action already opened:

1. Selection of **target stakeholders** and potential sectors, particularly those linked to partners the partners that will concentrate their WP4 activities during the second loop (M13-M124): BAVAIRIA EV, TeRN, CNR, ULEIC, and IMR.
2. Completion of the “**expression of interest**” and the four projects selected during the first loop, In view of NEREUS coordination, possibly repeat a second “expression of interest”.
3. Networking / matchmaking activities between potential users and service providers:
 - **Major Workshop events:** Matching Environmental Public Administrations reporting needs with down-stream service suppliers. Copernicus Workshop for Environment and Agriculture Policies: Using Copernicus for Reporting Obligations
 - **Piggyback events**, benefiting from other Copernicus Relays or Copernicus Academy, industrial associations, dissemination actions from other European projects, ESA events, and act.

3 Summary of WP4 user uptake activities, M13-M24

Planned user uptake activities from M 13 to M24 are summarise in the following tables and figures.

Table 3-1: WP4 planned events per partner, from M13 to M24

EVENT		PLACE	TIME	O	P	N	ATTENDANTS	COMMENTS
Spanish Ministry for the Ecological Transition	Workshop to spread outcomes of CoRdiNet Workshop of 26/06/2019	Spain Madrid	17/10/2019	x			National and regional Public administrations with reporting obligation in Environment: land, air, water.	GMV - Environmental Public Officers at Ministerial Level with reporting obligations to EU. Participation of MITECO, CDTI
Opportunities of the circular economy in the industry. A look at raw materials	Innovation Workshop	Spain León	08/10/2019	X		X	Castile and León raw Materials Industrial sector: forestry, mining, CO2.	GMV - Raw materials industrial sector of the Castile and León Region. Circular economy from the Institutions. Raw materials in Europe
DIGITAL AGRI	Professional Masters module	Spain Córdoba	07/02/2020	x	x		30-45 agro-industry professionals. Region of Andalusia	GMV - Industry and Academia

EVENT		PLACE	TIME	O	P	N	ATTENDANTS	COMMENTS
Copernicus Workshop for Environmental Policies and Agriculture (2) REGIONAL ADMINISTRATIONS	Key CoRdiNet WP4 Workshop held with the Spanish Ministry of Ecological Transition	Spain Madrid	26/02/2020	X			National and regional Public administrations with reporting obligation in Environment: land, air, water.	GMV - National Public Administration Officers with EU environmental obligation responsibilities
Copernicus Workshop for Environmental Policies and Agriculture (3) PUBLIC ADMINISTRATIONS AND SERVICE PROVIDERS	Key CoRdiNet WP4 Workshop held with the Spanish Ministry of Ecological Transition	Spain Madrid	10/09/2020	X			Public Administrations and Copernicus service providers, EEEs and industry	GMV - National Public Administration Officers with EU environmental obligation responsibilities
Annual CoRdiNet Project Meeting	Half-Day meeting at Havforskninginstituttet	Norway Bergen	22/10/2019	x	x	X	CoRdiNet + Norwegian Copernicus Community, users and providers	IMR - The half-day seminar in Bergen during our annual CoRdiNet project meeting,
Aquaculture Europe	Annual Meeting European Aquaculture Society	Germany Berlin	07/10/2019		X	X	European Aquaculture Society	IMR - Aquaculture Europe in Berlin, Oct 7-10, where we will give a poster presentation and meet potential users in the aquaculture industry
The Polar Data Forum III	The Polar Data Forum III	Finland Helsinki	18-22/11/2019	x		x	existing and potential users of Copernicus data and services from target groups, including academia, industry, public agencies	IMR shall give a presentation and arrange a user training workshop as a side event.
SPACE Week 2019. Beyond the Horizon	SPACE Week 2019. Beyond the Horizon	Italy Rome	09-11/10/2019	X		X	Italian space community under ASI. Copernicus Community	TeRN - The event will allow to meet national/international stakeholders with high competence in EO Copernicus data/services.
EGU International Assembly 2020	EGU International Assembly 2020	Austria Vienna	03-08/05/2020	X	X	X	Worldwide EO community	TeRN - will give a poster/oral presentation and meet potential EO data users/providers.
TERN Regional Workshop for Stakeholders engagement	TERN Regional Workshop for Stakeholders engagement	Italy Rende, Palermo or Bari	30/05/2020			X	TeRN partners and stakeholders	TeRN - will organize an event at regional scale during the first half of 2020 to further engage local stakeholders.
European Space Week	workshop with WP4 "small projects" leaders	Finland Helsinki	03-05/12/2019	X	X	X	GNSS and Copernicus communities	BAVAIRIA - CoRdiNet Associated Partners
Workshop on Copernicus applications in finance and insurance		Germany Munich	30/03/2020	x		x	Insurance stakeholders of Bavaria (Allianz9)	
Info workshop for regional agency		Germany Munich	30/03/2020			x	Bavarian Agency for Digitisation, High-Speed Internet and Surveying:	

EVENT		PLACE	TIME	O	P	N	ATTENDANTS	COMMENTS
Info workshop for regional agency		Germany Munich	30/06/2020			x	Bavarian Environment Agency	
Info workshop for regional agency		Germany Munich	30/09/2020			x	Bavarian Agency for Security (tbc). Nuremberg	
Second loop of small projects	Led by NEREUS		Oct-2019-Jul2020				WP4 small projects	Nereus /WP4 partners. Loop 2

Figure 3-1 shows the chronogram of events on the horizontal axis while the activities to be carried out per partner are listed on the vertical axis.

		Year	2019			2020								
		Quarter	Q5			Q6			Q7			Q8		
		Month	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
		Month N°	13	14	15	16	17	18	19	20	21	22	23	24
		NEREUS Call for pilot projects Loop 1	[Dark Blue Bar]											
GMV	17/10/2019	Ministry for the Ecological Transition. Workshop Copernicus for agri-environmental applications. Dissemination of results of 26/06/2019 workshop	[Dark Blue Bar]											
	08/10/2019	Opportunities of the circular economy in the industry. A look at raw materials	[Dark Blue Bar]											
	07/02/2020	DIGITAL AGRI					[Dark Blue Bar]							
	26/02/2020	Copernicus Worksho for Environmental Policies and Agriculture (2) REGIONAL ADMINISTRATIONS					[Dark Blue Bar]							
	10/09/2020	Copernicus Worksho for Environmental Policies and Agriculture (3) PUBLIC ADMINISTRATIONS AND SERVICE PROVIDERS									[Dark Blue Bar]			
NEREUS	oct2019-jan2020	NEREUS Call for pilot projects Loop 2	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]
	Mar-Aug2020	Follow up small projects						[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]	[Dark Blue Bar]
IMR	22/10/2019	Annual Cordinet Project Meeting. Hal-Day meeting at Havforskingsinstituttet between existing and potencial Copernicus Users	[Dark Blue Bar]											
	07/10/2019	Aquaculture Europe		[Dark Blue Bar]										
	18-22/11/2019	The Polar Data Forum III		[Dark Blue Bar]										
TeRN	09-11/10/2019	SPACE Week 2019. Beyond the Horizon	[Dark Blue Bar]											
	03-08/05/2020	EGU International Assembly 2020							[Dark Blue Bar]					
	30/06/2020	TERN Regional Workshop for Stakeholders engagement									[Dark Blue Bar]			
BAVAIRIA	03-05/12/2019	European Space Week, Helsinki			[Dark Blue Bar]									
	30/03/2020	Workshop on Copernicus applications in finance and insurance					[Dark Blue Bar]							
	30/03/2020	Info workshop for regional agency - Bavarian Agency for Digitisation, High-Speed Internet and Surveying: Q4 2019/Q1 2020						[Dark Blue Bar]						
	30/06/2020	Info workshop for regional agency - Bavarian Agency for Digitisation, High-Speed Internet and Surveying: Q4 2019/Q1 2020									[Dark Blue Bar]			
	01/09/2020	Info workshop for regional agency - Bavarian Agency for Security (tbc), Nuremberg: Q3/2020.												[Dark Blue Bar]
ULEIC	10/10/2019	ULEIC Hackaton	[Dark Blue Bar]											
	01/02/2020	Hackaton follow up matchmaking activities Copernicus Users-providers				[Dark Blue Bar]	[Dark Blue Bar]							
Deliverables	30/09/2020	D4.6 Policy Briefings M24												[Dark Blue Bar]
	30/09/2020	D4.7 User Uptake Report M24												[Dark Blue Bar]

Figure 3-1: WP4 calendar of planned activities VS accomplished activities.

Finally, Figure 3-2 below provides the overall view of WP4 user uptake activities for the two reporting periods of the project.

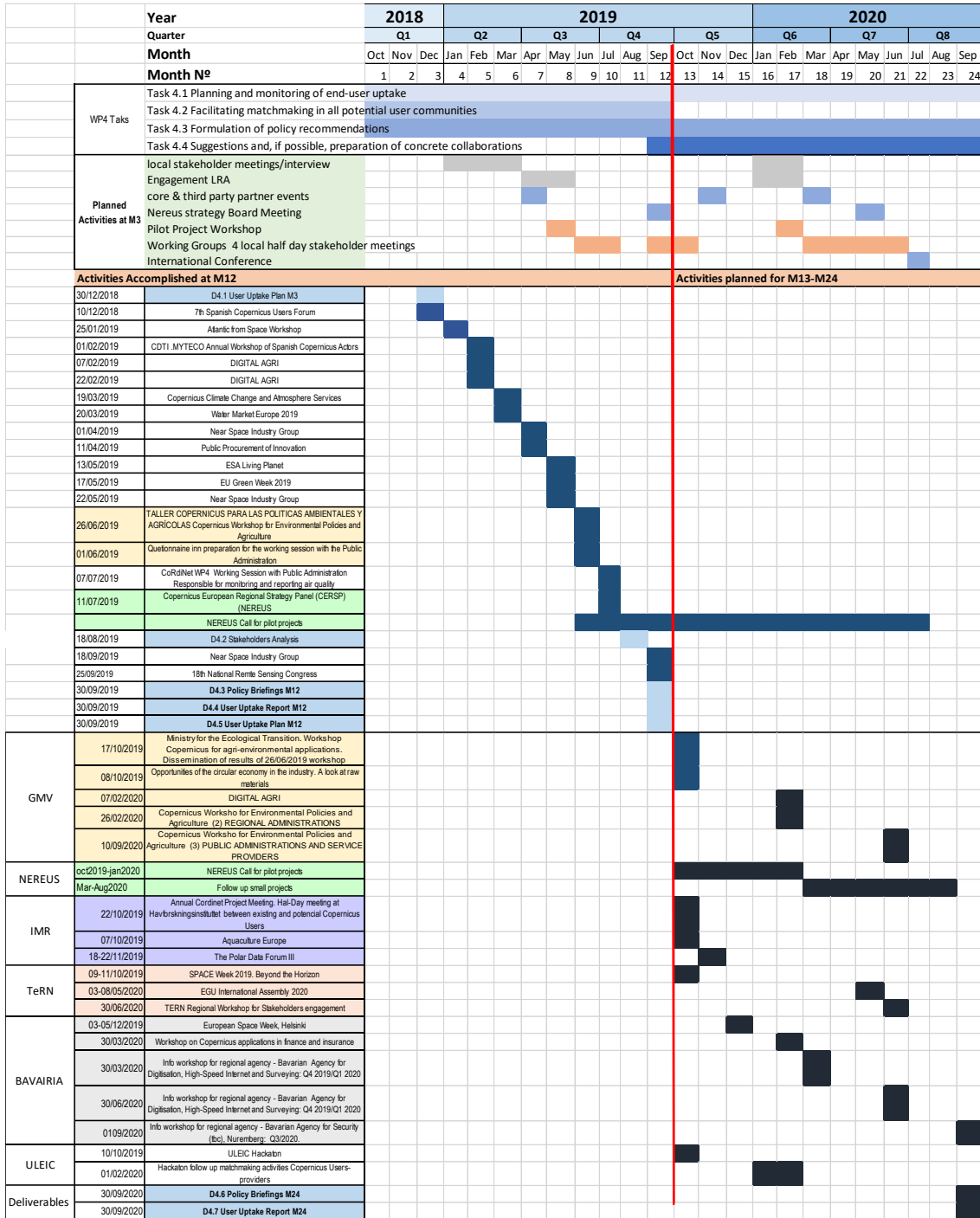


Figure 3-2: WP4 overall calendar of activities M3 to M24

4 Target stakeholders

During the second period of WP4 calendar, all partners will carry out uptake activities amongst stakeholders already contacted during the period M1 to M12.

Up to M12, the most active communities have been: Copernicus Relays, members of the Copernicus Academy and Public Administrations with environmental reporting obligations seeking a more efficient use of Copernicus data and services.

Activities planned up to M24 lead partners to work with new target groups, namely:

- The GNSS community, of great interest for the synergies and possible shared markets with Copernicus
- Insurance stakeholders, led by the tractor sector company Allianz.
- Public agencies other than environmental, i.e: the Bavarian Agency for Digitisation, High-Speed Internet and Surveying.
- New environmental agencies: the Bavarian Environment Agency as well as Agency for Security (tbc).
- The European aquaculture society and sector
- The polar regions data analysis group

It is worth noting that all these target stakeholders are aligned with key Copernicus application areas envisaged by DG GROW study of user requirements for the next generation of Copernicus satellites (NEXTSPACE) and ESA plans for new Copernicus missions

5 Expression of interest for small projects

D4.4 includes a short report about the process carried out under NEREUS guidance, to issue an expression of interest for small projects that would eventually uptake a variety of Copernicus aspects.

As the first reporting period comes to its end, some budget remains may allow issuing a second call for a new set of projects. This possibility shall be finally accepted or declined by NEREUS after the Review meeting in M12.

In this document, a possible calendar of actions is included, in case a second call for small projects becomes effective. Naturally, the calendar shall be adjusted as needed.

- Publication Date: Late 11/2019
- Submission Date: early 01/2020
- Project Evaluation: January 2020
- Projects selected: mid-February 2020
- Project results and outputs: until 30/07/2020
- Maximum project development period: March-July 2020

The target groups for the call shall expand beyond Copernicus Relays to the Copernicus Community at large.

6 Major Workshop events

The experience of large and key workshops with sectors of the Public Administration (MITECO) bound to environmental reporting has been very successful and of paramount importance for the purpose of introducing Copernicus data and services in the routinely reporting procedures.

Yet, not all Administration Offices are able to ingest Copernicus information and change in a fast manner the work done during decades.

For that reason, two other workshop have been scheduled with MITECO in order to complete the goals of up taking the use of Copernicus among Public Officers who know about the EO programme but find difficulties in concretising how to include Copernicus data in their reporting duties.

The major workshops will expand to institutions in other regions, namely in Germany and Italy, led and organised by BAVAIRIA and TeRN, targeting at the stakeholders engaged through their Copernicus Relay activity.

GMV, as WP leader shall willingly cooperate in those workshops if required, so as to disseminate the experience won during the first half of the project at MITECO.

7 Piggyback events

All WP partners carry out an intense industrial and innovation activity; as a result, the participation in professional congresses, thematic workshops, info-days or industrial conventions is a normal matter of fact. Partner's expertise is also required for consultation in various fora.

At the moment of drawing this plan, there are at least 10 events to be attended by partners, to piggyback in favour of CoRdiNet WP4 activities, bringing together potential users and service providers. From the experience won up to M12, the number of events to piggyback will presumably be much larger than the 10 events already engaged; as the year moves on, new announcements and invitations are pin-down in the calendar which shall be synergised with WP4 objectives.