



Framework Partnership Agreement on Copernicus User Uptake (FPCUP)



Knowledge for Tomorrow



Objective

Overall objective: enhance user uptake of Copernicus data and services, to

1. promote use of earth observation in applications and services,
2. foster competitiveness of European space and service industry based on e.g. innovative products and services, and
3. strengthen European autonomous access to environmental knowledge and key technologies to achieve independent decision-making

➔ FPCUP is one specific action in the Commissions' User Uptake Strategy



Background

- Implementation through annual work programmes by a consortium comprising 48 entities from 23 countries
- Bottom-up approach
- EC co-funds with up to 85% ➔ requires financial contribution and interest of partner

Copernicus User Uptake
Framework Partnership Agreement on Copernicus User Uptake (FPCUP)
Work Programme 2019
Version 1.0; 30 January 2019

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Consortium Membership

- | | | | | | |
|-----|----------------|-----|-----|-------------|-----|
| 1. | Austria | (1) | 13. | Ireland | (1) |
| 2. | Belgium | (2) | 14. | Italy | (1) |
| 3. | Bulgaria | (2) | 15. | Latvia | (2) |
| 4. | Cyprus | (1) | 16. | Netherlands | (1) |
| 5. | Czech Republic | (2) | 17. | Norway | (1) |
| 6. | Denmark | (2) | 18. | Poland | (3) |
| 7. | Estonia | (1) | 19. | Portugal | (3) |
| 8. | Finland | (2) | 20. | Romania | (2) |
| 9. | France | (4) | 21. | Spain | (5) |
| 10. | Germany | (4) | 22. | Sweden | (1) |
| 11. | Greece | (3) | 23. | UK | (4) |
| 12. | Iceland | (1) | | | |

* Project lead and coordination: DLR



Consortium: Public bodies or bodies with a public service mission

- Ministries/Government (9)
- Agencies (17)
- Research and Science (22)

Status

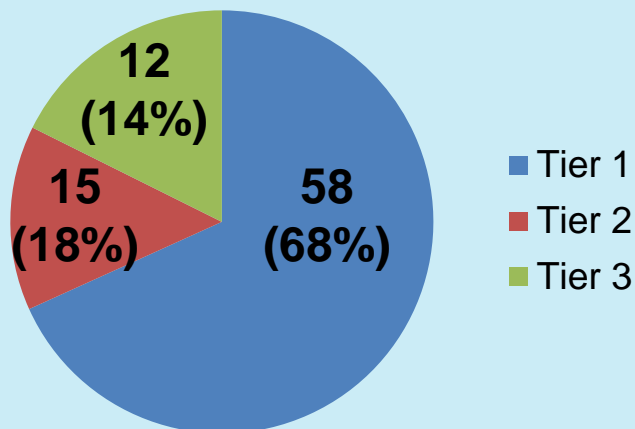
- FPA signed (July 2018)
- Work Programme 2018 running
- Work Programme 2019 approved (first Specific Grant Agreement submitted)
- Work Programme 2020 under preparation
- FPCUP Website (end of 2019)

Implementation: Annual Work Programmes

Work Programme 2018

- EU contribution requested: 6.3 Mio €
- # of Actions: 85

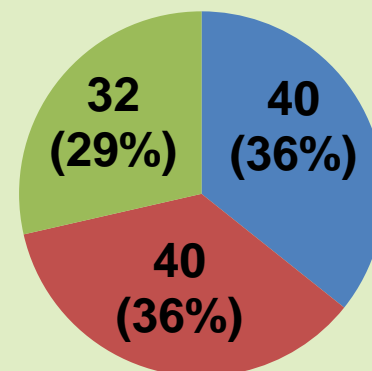
No. of actions



Work Programme 2019

- EU contribution requested: ~ 8.0 Mio. €
- # of Actions: 112

No. of actions



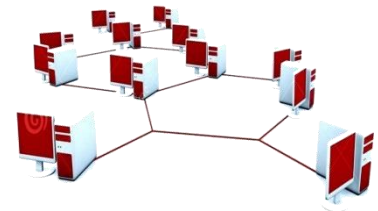
Tier 1: National user uptake

Tier 2: International user uptake

Tier 3: Business solutions, innovative products & applications

Types of activities

- National and multi-national information-/training-/innovation-events
- Building an active dialogue with actors in these measures regarding their needs
- Developing downstream applications and services
- Piloting downstream applications and services
- Promoting national and multi-national innovative actions



For

- National user uptake (Tier 1)
- International user uptake (Tier 2)
- Business solutions, innovative products & applications (Tier 3)

Information-/training- & innovation events (national & multinational): *Communicate Copernicus and enable users*

Types of actions

- Identification of user needs
- Improve knowledge on usage
- Promotion of Copernicus (events, publications, videos, etc.)
- Raise awareness and knowledge
- Provision of trainings (incl. materials)

Examples:

- Events to show benefits of the Copernicus programme for improved managing of urban environment (Defra, UK)
- Development of Copernicus-based training package for 3 African countries (ISSeP, BE)
- Specialised training modules on forests, agriculture and biodiversity (CNRS, FR)
- Study to build an overview of agricultural uses of remote sensing in Europe (CNES, FR)
- Production of an open-source database (web service) collecting ground truth (Sentinel 2) for land-covering and environmental issue (CNES, FR)
- Elaboration of modular training focusing on monitoring needs and reporting obligations of environmental agencies (UBA, DE)



Building active dialogue with actors: *Establish national or multi-national user fora*

Types of actions

- Workshops to identify opportunities and needs
- Networking users
- Studies to identify further application domains
- Identifying best practices for connecting users from national to European levels

Example:

- Build Geospatial Platform for Finnish Ministry of Agriculture and Forestry (SYKE & FMI, FI)
- Promote dialogue and user uptake in the Copernicus land domain between relevant agents and responsible national institutions in Spain and Portugal (DGT & CNIG, PT & ES)

Developing Downstream Applications and Services

Types of actions

- Defining user requirements;
- Developing service or application concepts;
- Developing and testing the methodologies;
- Demonstrating the service or application feasibility;
- Assessing service or application quality, time, and cost benefits.

Example:

- Downstream service / application development to support required national or sub-national monitoring of land use and land cover for (statistical) reporting purposes (DLR, DE)

Piloting Downstream Applications and Services:

Application and Service Roll-out

Types of actions

- Defining service/application specifications and operations concept;
- Identifying associated training needs;
- Operating the service/application for a limited time (~2-3 years);
- Assessing the value and benefits of the new service/application;
- Assessing continued financing and implementation within the institution.

Examples:

- Development of downstream applications comprising 3 pilot activities to proof concept for following emerging problems: land degradation (Greece), pest monitoring (Italy) and land use change (Poland) (IGiK, PL)

Promoting national and international innovation actions

Communicate Copernicus and enable users

Types of actions

- Sectorial or cross-sectorial workshops bringing together users and solution providers;
- Innovative procurement challenges to solve end users difficulties through the use of Copernicus data;
- Communication activities, mostly digital, including social networks targeting new users;
- New formats (appathons, hackathons or bar camps)
- Match-making events
- Support to **start-ups** and **SMEs** on a long-term

Examples:

- Elaborate a common system and platform for Agricultural Agencies in Poland speeding up the implementation of data and services provided by Copernicus Programme (IGiK, PL)
- Development of a regional data cube system that enhances the use of Copernicus data for regional applications (e.g. disaster and environmental management) (FFG, AT)

Two types of implementation

Direct implementation

Consortium member(s) initiate(s) actions in the frame of the annual Work Programmes

Subcontracting

A Consortium partner may sub-contract parts of an action to third parties

- in a transparent fashion following national law
- approach to be approved by the Commission

How to engage with FPCUP?

- Engage FPCUP-partner to co-define actions for Work Programme
- Respond to tenders by partners issued in the frame of FPCUP
- Participate in events etc. organized in the frame of FPCUP actions



Thank you for your attention!