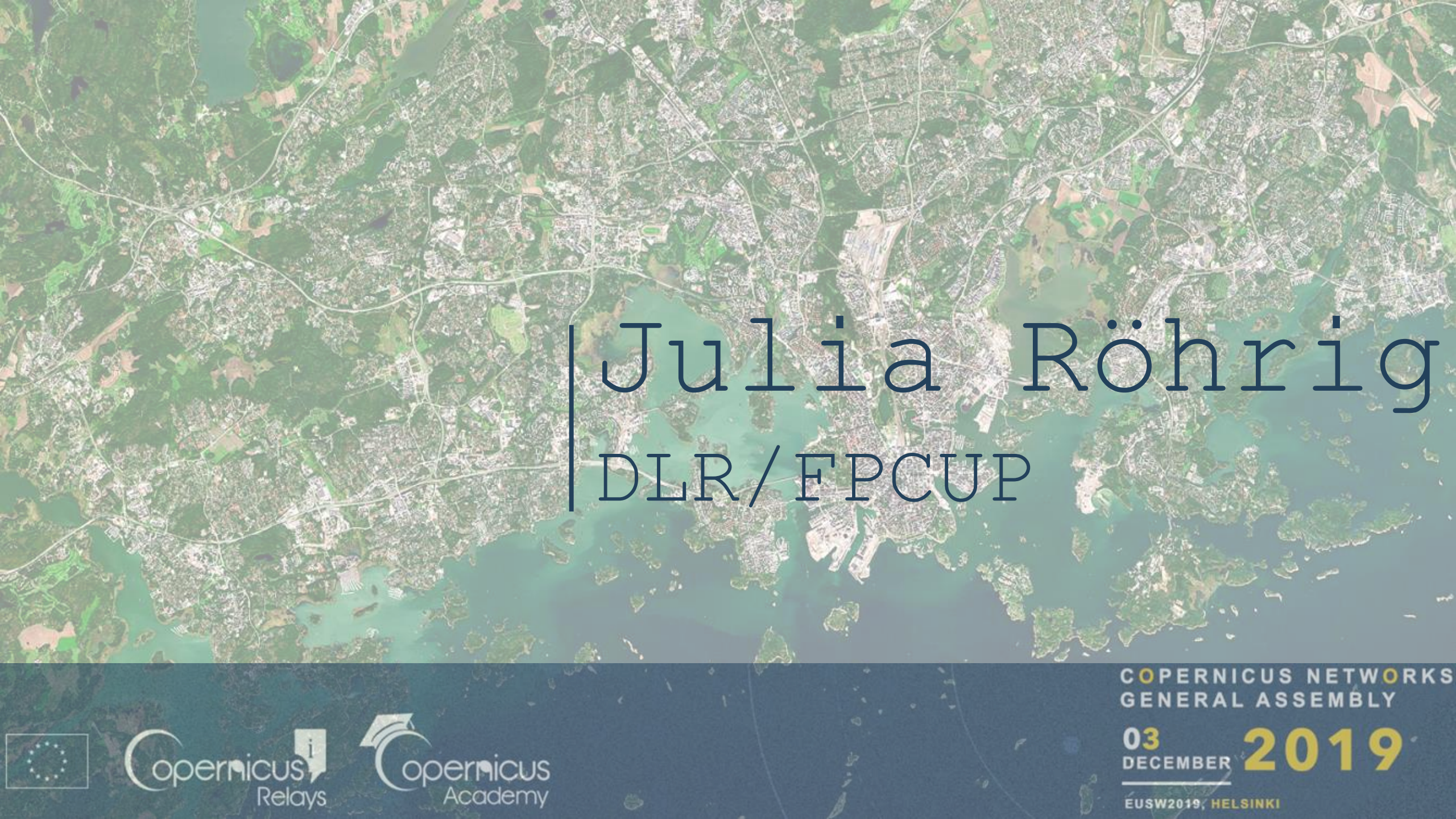
COPERNICUS NETWORKS
GENERAL ASSEMBLY

03 DECEMBER 2019

EUSW2019, HELSINKI

Copernicus Relays

Copernicus Academy



Julia Röhrig

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Framework Partnership Agreement on Copernicus User Uptake (FPCUP)

- General introduction to FPCUP
- Examples of running actions
  1. Sentinel mosaics in Finland in national reference grid (SYKE, FMI)
  2. Information day for Estonian Collaboration Ground Segment (ESTHub) users (Tartu University)
  3. Innovation Challenges (CNES)
- Questions
- Discussion and exchange on synergies and cooperation opportunities

FPCUP – General introduction

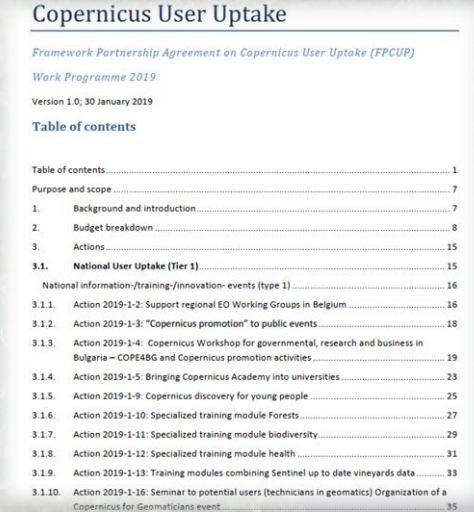
Overall objective: enhance user uptake of Copernicus data and services by

1. Information- & training-events
2. Building an active dialogue with actors
3. Developing downstream applications and services
4. Piloting downstream applications and services
5. Promoting national and multi-national innovative actions

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

FPCUP – Background

- Started in July 2018
- Bottom-up approach
- Implementation through annual work programmes
- Actions can last up to three years
- 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

Table of contents

Table of contents ... 1
Purpose and scope ... 7
1. Background and introduction ... 7
2. Budget breakdown ... 8
3. Actions ... 15
3.1. National User Uptake (Tier 1) ... 15
National information-/training-/innovation- events (type 1) ... 16
3.1.1. Action 2019-1-2: Support regional EO Working Groups in Belgium ... 16
3.1.2. Action 2019-1-3: "Copernicus promotion" to public events ... 18
3.1.3. Action 2019-1-4: Copernicus Workshop for governmental, research and business in Bulgaria – COPE4BG and Copernicus promotion activities ... 19
3.1.4. Action 2019-1-5: Bringing Copernicus Academy into universities ... 23
3.1.5. Action 2019-1-9: Copernicus discovery for young people ... 25
3.1.6. Action 2019-1-10: Specialized training module Forests ... 27
3.1.7. Action 2019-1-11: Specialized training module biodiversity ... 29
3.1.8. Action 2019-1-12: Specialized training module health ... 31
3.1.9. Action 2019-1-13: Training modules combining Sentinel up to date vineyards data ... 33
3.1.10. Action 2019-1-16: Seminar to potential users (technicians in geomatics) Organization of a Copernicus for Geomaticians event ... 35

FPCUP – Broad European Consortium

- 48 partners, 23 countries
- Diverse backgrounds and experience
- Close link with other Copernicus Committees, e.g. User Forum, Relays or Academy
- Very different perspectives on user uptake

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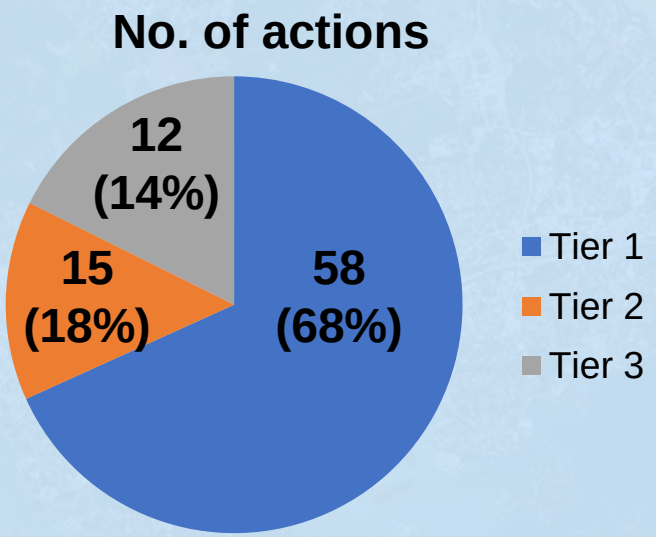
FPCUP – Implementation

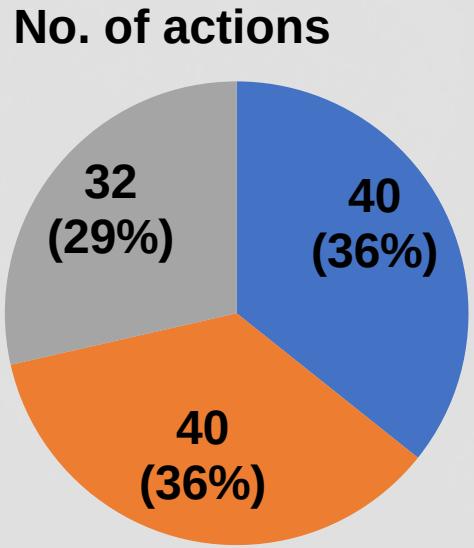
Work Programme 2018

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



Work Programme 2019

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



Tier 1: National user uptake
Tier 2: International user uptake
Tier 3: Business solutions, innovative products & applications

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Sampsa Koponen

Sentinel mosaics

Finnish Environment Institute
Finnish Meteorological Institute

Copernicus Relays

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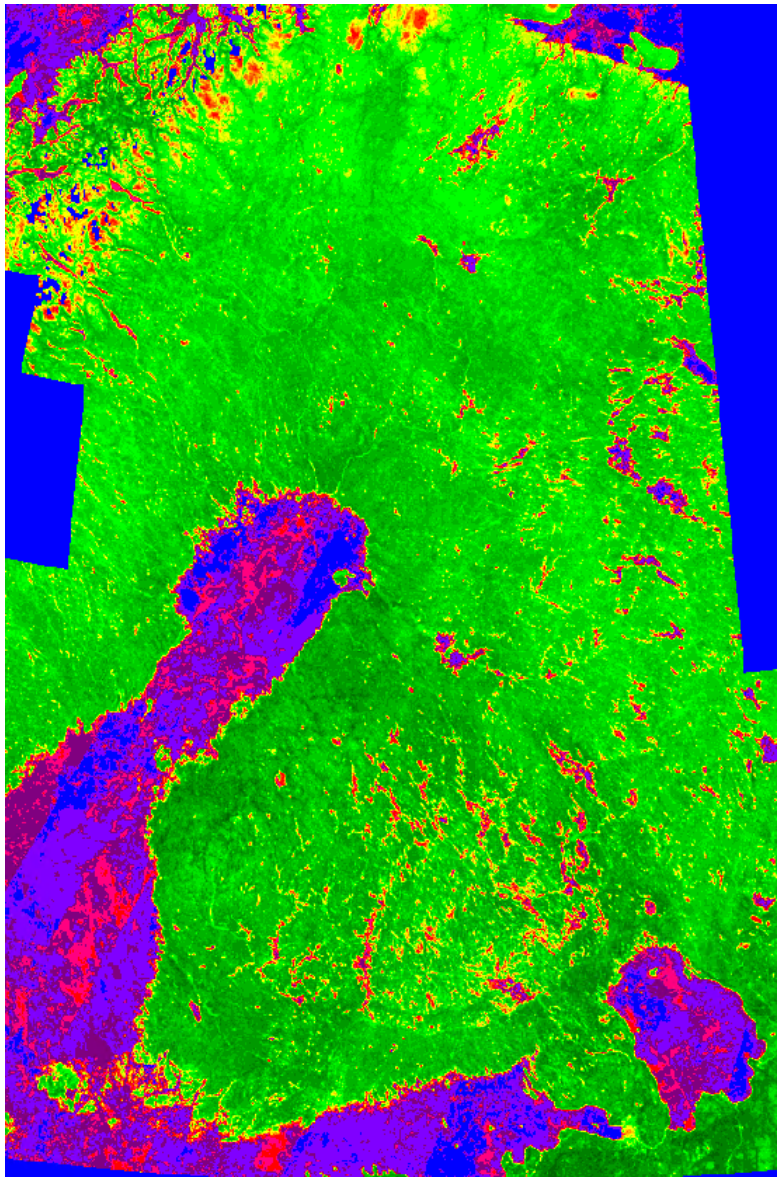
Objectives of action

- The action concentrates on raising awareness and helping the end-users of Sentinel imagery and Sentinel mosaics produced as part of the Finnish Geospatial Platform



The objectives are achieved by

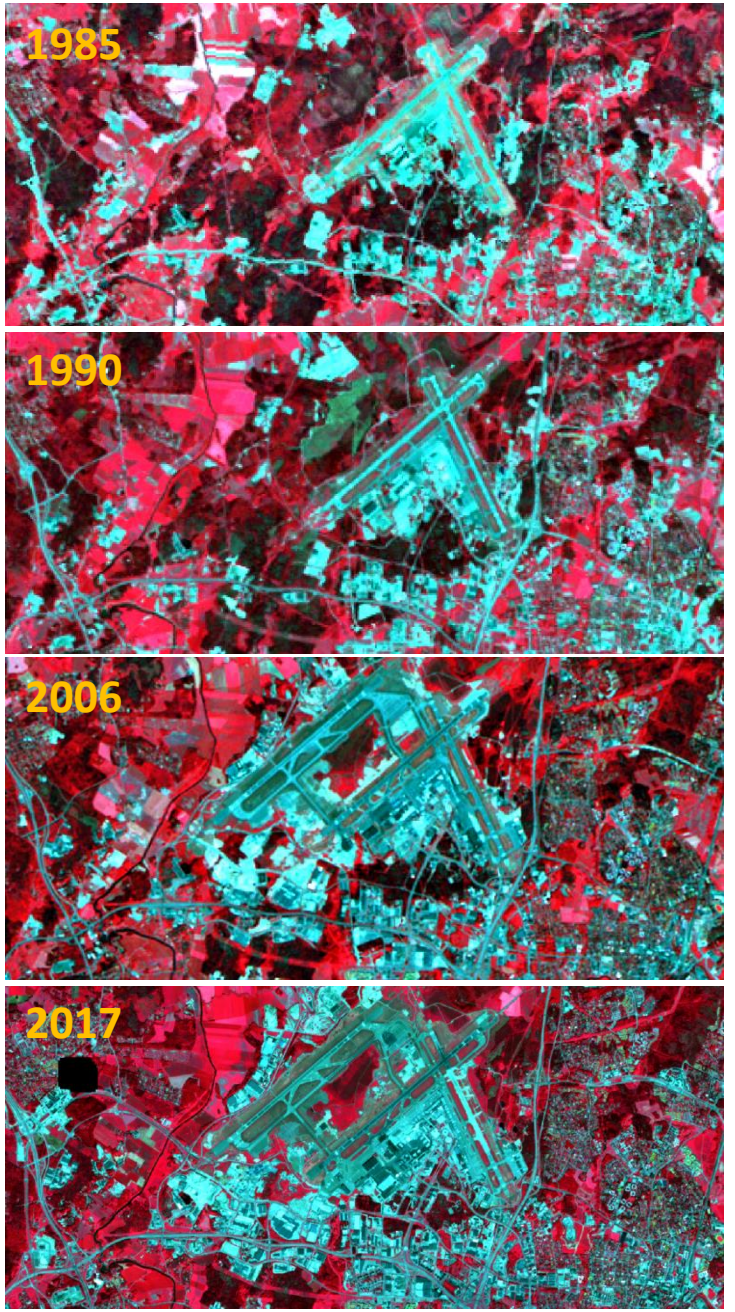
- User engagement with survey on mosaic service usefulness
  - FMI, going on, 17 answers
- Workshop for presenting survey results and discuss the next development steps
  - Jan 2020, FMI organizes
- Helpdesk for mosaic service
  - SYKE, implemented
- Creation of demo material with end users concerning the use of Sentinel imagery and mosaics and its presentation in national workshops
  - SYKE, going on
- The action is a combination of national information events, building an active dialogue and promoting national innovation actions

Results already achieved

- Presentations: 4 international, 6 national, 2 webinars
  - The largest national presentation at Finnish GIS Expo had about 80 participants
  - Webinars: 89 & 94 views
- Demo cases with 3 end-users
  - Development of Finnish agricultural subsidy monitoring (Finnish Food Authority)
  - Monitoring of soil extraction (SYKE)
  - Monitoring of overgrowth of sandy beaches (SYKE)
  - fourth about agricultural carbon is at start phase.
- Helpdesk: answers for 20 contacts and questions.

Ways to get involved

- Participate in seminars and/or the user survey
- Make contact
  - Personal to action participants
  - Send question or contact email to eohelp.pta@ymparisto.fi or markus.torma@ymparisto.fi
- Depending on needs, you will get
  - answer by email
  - face-2-face meeting to solve the problem
  - presentation about the possibilities and uses of Sentinel data
  - demo, i.e. get practical help for example on how to solve problems or get information for using imagery



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University of Tartu, Tartu Observatory, Estonia

FPCUP Project

Copernicus Relays

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Action 2018-1-17:Information day for Estonian Collaboration Ground Segment (ESTHub) users

- ESTHub is a national mirror site for providing free access to Sentinel satellite data over Estonia, Baltic Sea and the surrounding areas
  - opened May 2019
  - S1, S2, S3 data
- Promoting and implementing EstHub services:
  - National project "Use of remote sensing data for elaboration and development of public services (duration 2019-2020)
  - Training session during Advanced Training School on Remote Sensing/Earth Observation „Applications of Remote Sensing in the Baltic Sea region“, September 2019

- <u>Actions planned in FPCUP in 2020</u>
  - two ESTHub information days (#1 English, 2# Estonian)
    - (1) introduced national capacities for the neighboring countries (Latvia, Finland, Sweden) to initiate joint actions
    - (2) educate and inform national public and business users about Copernicus data
    - Public events

Outlook

Approved actions:

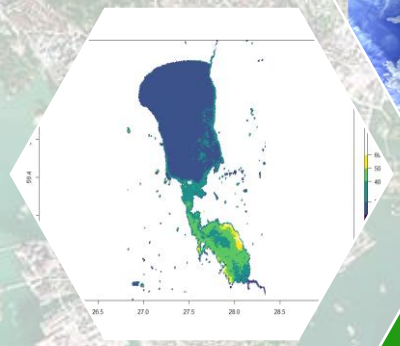
- **Action 2018-2-02: Advanced educational course at university level for both national and international students**

- **2019-1-51: Downstream service/application development for supporting implementation of EU Water Framework Directive in Estonia**

- **Uptake of Copernicus data**
- **Outreach to general public, national agencies**
- **Collaboration and cooperation in national and international level**

2020-3-24: Open Data Framework in the Baltic Sea Catchment Area

2020-2-13: Cop4Schools – Crossing Borders in Education



2020-3-1: Publication and crowdsourcing analysis of phenomena of interest in EO products

2020-2-13: Cop4Schools – Crossing Borders in Education

F. ADRAGNA

CNES/FPCUP

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CNES participation in FPCUP

In the frame of the project, CNES, with its partners (from the French Copernicus Relay & Academy networks) proposed

- **6 actions in 2018**
- **31 actions in 2019**
- **11 actions in 2020**

“INNOVATION CHALLENGES”

One action from the Work Program 2018 consists in the organization of 4 “INNOVATION CHALLENGES”, on 4 different topics :

For each topic, we will have :
1 Final User (need) ➔ X Candidates ➔ 1 Laureate ➔ 1 POC

Objectives

Such an event (4 events) will allow us to :

- **Communicate about Copernicus product's capabilities**
- **Increase the "user uptake" of Copernicus, regarding different topics**
- **Involve a lot of participants (students / SME / startups)**
- **Promote the use of Copernicus products throught the implication of Sponsors (real final users, with real needs !)**
- **Foster the development of new Products / Services (through POC)**
- **Communicate about the results !**

“INNOVATION CHALLENGES”

Planning :

- **To date, one sponsor has been found (Water)**
- **The precise action plan has been established.**
- **We will start to communicate on this first Challenge in December**
- **In parallel, we work on the preparation of the 3 others Challenges**
- **The 4 Laureates will be nominated in June in Toulouse**
- **The development of the 4 POC will start in September.**

You are welcome to participate. It’s widely open !!!

Outlook

Based on the results (success or not), we will use the same methodology for addressing other topics…

FPCUP – Status

- Governmental structures established and working
- Work Programme 2018 running
- Work Programme 2019 approved (first Specific Grant Agreements submitted)
- Work Programme 2020 under preparation
- Change of consortium membership will soon take place(FPA amendment)
- Project homepage will run until end of 2019

FPCUP – Experience

+
- FPA is an interesting new instrument to foster European User Uptake measures
- Responsive to diversity across countries
- Takes into account national and European user requirements
- Allow flexibility

−
- Complex instrument
- Restricted third party implementation
- Not suitable for short term implementation

FPCUP – How to get involved

Direct implementation

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

Third party implementation

Consortium partner(s) implement(s) action together with third parties (e.g. tender, subcontract)

- 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!

Visual identity

R: 29
G: 111
B: 74

R: 35
G: 154
B: 20

R: 193
G: 225
B: 191

R: 0
G: 52
B: 57

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