

WG1 – European Projects

Welcome !

WG1 session agenda

04.12.2019

13:45 - 15:25

Work Group Session WG1

Start	End	Duration	Item
13:45	13:50	00:05	Welcome: Florian Romanowski WG1 leader, OPEGIEKA
Pan European aerial survey projects block			
13:50	14:05	00:15	Creation of pan European geospatial data and services: Mick Cory, SG EuroGeographics
14:05	14:25	00:20	Discussion: Pan European aerial survey projects
EAASI EU projects block			
14:25	14:40	00:15	European Association Of Remote Sensing Companies (EARSC) - European subsidized projects: André Jadot, EUROSENSE
14:40	14:50	00:10	Setting other WG1 goals and actions: Florian Romanowski & Jakub Krawczyk, OPEGIEKA
14:50	15:05	00:15	Horizon Europe: Jakub Krawczyk, OPEGIEKA
15:05	15:25	00:20	Discussion: WG1 goals

Block 1

Pan European aerial survey projects

Creation of pan European geospatial data and services: Mick Cory, SG EuroGeographics

Legal

- Multiple legal jurisdictions
- Centralised licensing framework vs national requirements
- Multiple agreements required
- Impact of Open Data Psi Directive!

Policy

- Different National data policy regimes
- Different interpretations of privacy
- Government data policy differs (eg Open Data)
- Impact of Open data PSI Directive?

Financial

- Sustainability

Technical

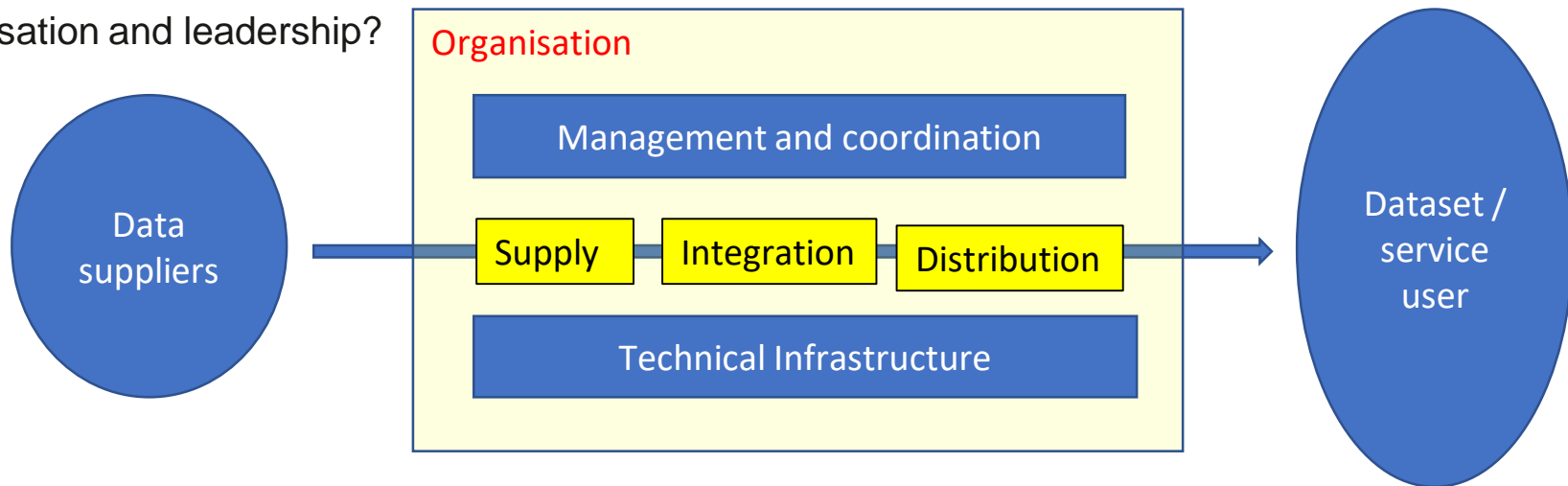
- Data model interpretation
- Complex data schema
- Client software issues
- Version control
- Infrastructure (Centralised vs distributed)
- Data Content!

Sustainability

Who pays?

Who manages / coordinates?

Organisation and leadership?



Leadership needed! A coherent approach to European geospatial policy?

- INSPIRE is now 15 years old
- Things have moved on; technically and politically
- New entrants, new data; AI, big data, earth observations, new technologies
- UN GGIM policy framework – global sustainable development goals
- Integrated geospatial implementation framework

- Who will take this lead in Europe?

Discussion: Pan European aerial survey projects

Discussion: Pan European aerial survey projects

- Can we create EU version of 3D Elevation Program (3DEP) ?

„3DEP is a “Call for Action” because no one entity can accomplish it independently. This milestone is truly a community achievement, including the partners that fund acquisition, the vibrant lidar industry and private sector mapping firms that collect the data, and a growing and innovative user base.”

www.usgs.gov

Discussion: Pan European aerial survey projects

- Do we need such project?
- Who are the key stakeholders for such an idea?
- Can we create European Lidar Base Specification?

Block 2

EAASI EU projects

European Association Of Remote Sensing Companies (EARSC) – European subsidized projects: André Jadot, EUROSENSE

EAASI Summit – WG1 - Approach to EU projects by EARSC*

HORIZON 2020

1) ConnectinGEO - Coordinating an Observation Network of Networks EnCompassing saTellite and IN-situ to fill the Gaps in European Observations

Description : ConnectinGEO is a Coordinate and Support Action of the Horizon2020 program aiming to link existing Earth Observation networks with science, private sector and with GEOSS and Copernicus stakeholders. Main objectives are to enable ENEON and to provide the EC with a gap analysis among existing EO networks prioritizing the Sustainable Development Goals and the Essential Variables.

Start date : 01/02/2015 – End date : 31/01/2017

Overall budget : 999.995,94 EUR

Coordinator : CENTRO DE INVESTIGACION ECOLOGICA Y APLICACIONES FORESTALES (ES)

Other participants : EARSC (37.053,75 EUR) + 13 other



EAASI Summit – WG1 - Approach to EU projects by EARSC

2) GEO-CRADLE - Coordinating and integrating state-of-the-art Earth Observation Activities in the regions of North Africa, Middle East, and Balkans and Developing Links with GEO related initiatives towards GEOSS

Description : This Initiative is a continuation and extension of the work of the GEO CRADLE Community Activity, which provided EO capacity building in the North Africa, Middle East, and Balkans (NAMEBA) region, now with potential to expand to the Black Sea. The Initiative will capitalise, sustain and scale up the results mainly achieved during the implementation of the 3-year H2020 GEO-CRADLE project, as well as key outcomes of other relevant EU flagship projects and initiatives (e.g. NextGEOSS, ERAPLANET, EuroGEOSS), in support of the three GEOSS priorities, namely CC, DRR and SDGs.

Start date : 01/02/2016 – End date : 30/11/2018

Overall budget : 3.030.800 EUR

Coordinator : NATIONAL OBSERVATORY OF ATHENS (GR)

Other participants : EARSC (125750 EUR) + 18 other

EAASI Summit – WG1 - Approach to EU projects by EARSC*

3) NextGEOSS - Next Generation GEOSS for Innovation Business

Description : NextGEOSS is a centralised European Earth observation data hub and platform. The concept revolves around providing the data and ICT resources needed, together with cloud services, seamlessly connected to provide an integrated ecosystem to support the deployment of Earth observation-based applications and services.

Start date : 01/12/2016 – End date : 31/05/2020

Overall budget : 10.242.998,75 EUR

Coordinator : DEIMOS ENGENHARIA S.A. (PT)

Other participants : EARSC (269.375 EUR) + 26 other

EAASI Summit – WG1 - Approach to EU projects by EARSC*

4) CopHub.AC - Copernicus Academy Hub for Knowledge, Innovation and Outreach

Description : The vision of the Horizon 2020 project CopHub.AC is to establish a long-term Copernicus hub to consolidate and sustain the Copernicus Academy as a knowledge and innovation platform. To fulfill this several nodes will be created – like a new form of research briefs, knowledge landscape, outreach and sustainability. It will focus and link ongoing R&D activities in Copernicus-relevant academic fields and sustain the innovation process from academia to business on a high scientific and technical level. We have a clear commitment to a full thematic and geographic coverage for a Europe-wide boost in demand-driven uptake of space technology and geospatial information.

Start date : 01/10/2018 – End date : 30/09/2020

Overall budget : 999.966,25 EUR

Coordinator : PARIS-LODRON-UNIVERSITAT SALZBURG (AT)

Other participants : EARSC (59.645 EUR) + 10 other

EAASI Summit – WG1 - Approach to EU projects by EARSC*

5) PARSEC - Promoting the international competitiveness of European Remote Sensing companies through Cross-cluster collaboration

Description : PARSEC is a business accelerator supporting the creation of new Earth Observation (EO) based products and services. The accelerator targets SMEs, start-ups, entrepreneurs and researchers who want to have an impact on the emerging Food, Energy and Environment sectors. With the support of PARSEC, their ideas will be developed into solutions fuelled by the benefits of EO.

Start date : 01/05/2019 – End date : 31/10/2021

Overall budget : 5.309.228,91 EUR

Coordinator : EUROPEAN ASSOCIATION OF REMOTE SENSING COMPANIES - EARSC (BE) (497.812,50 EUR)

Other participants : 8

EAASI Summit – WG1 - Approach to EU projects by EARSC*

6) E-SHAPE - EuroGEOSS Showcases: Applications Powered by Europe

Description :e-shape is a unique initiative that brings together decades of public investment in Earth Observation and in cloud capabilities into services for the decision-makers, the citizens, the industry and the researchers.

Start date : 01/05/2019 – End date : 30/04/2023

Overall budget : 15.876.336,75 EUR

Coordinator : ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS (FR)

Other participants : EARSC (638.500 EUR) + 52 other

EAASI Summit – WG1 - Approach to EU projects by EARSC*

7) FIRE - An industry-led Forum for Innovation and Research in European Earth Observation

Description : As Europe's Forum for Innovation and Research in Earth Observation, FIRE aims to build a strong community and a well-defined, recurrent process that will help to capture the “now” and to shape the “tomorrow” of the European EO sector. To achieve this overarching objective, FIRE will nurture the coordinated exchanges between innovators, policy-makers, technologists, businesspeople and researchers, towards designing a long-term Research and Innovation Strategy that will guide the development, delivery and uptake of EO services for the benefit of economy and society.

Start date : 01/12/2019 – End date : 30/11/2020

Total budget : 999.375 EUR

Coordinator : EUROPEAN ASSOCIATION OF REMOTE SENSING COMPANIES - EARSC (BE)

Other participants : 3

EAASI Summit – WG1 - Approach to EU projects by EARSC*

COSME

1) IDEEO - INTERNATIONALISATION AND DIVERSIFICATION OF EUROPEAN EARTH OBSERVATION

Description : For 15 months, starting from January 2018, IDEEO will internationally promote the use of European Earth Observation capability in the marine and agriculture sector and create a new European partnership able to compete on global markets. Funded under the COSME Cluster Go International action, IDEEO has been selected by the Executive Agency for Small and Medium-sized Enterprises (EASME)

Start date : 01/01/2018 – End date : 31/03/2019

Overall budget : ?

Coordinator : EUROPEAN ASSOCIATION OF REMOTE SENSING COMPANIES - EARSC (BE)

Other participants : 2

EAASI Summit – WG1 - Approach to EU projects by EARSC*

EPLUS

1) EO4GEO - Towards an innovative strategy for skills development and capacity building in the space geo-information sector supporting Copernicus User

Description : EO4GEO is an Erasmus+ Sector Skills Alliance gathering 26 partners from 12 countries from academia, private and public sector active in the education/training and space/geospatial sectors. EO4GEO aims to help bridging the skills gap between supply and demand of education and training in the space/geospatial sector by reinforcing the existing ecosystem and fostering the uptake and integration of space/geospatial data and services in end-user applications.

Start date : 01/01/2018 – End date : 31/12/2021

Overall budget : ?

Participants : EARSC + 25 other

Setting other WG1 goals and actions: Florian Romanowski & Jakub Krawczyk, OPEGIEKA

WG1 – European Projects

The working group will focus on the development of the EAASI goals to:

- Create sustainable market for the aerial industry in Europe.
- Promote the awareness among stakeholders and potential customers about subject: what kind of products and services can be delivered by the aerial industry.
- Apply for the European Funds to achieve above mentioned goals.

Questions we need to answer together

- **What type of projects are we interested in?**
 - Do we focus only on promotion or also on research?
- **What should be the geographical scope of projects?**
 - EU only or new markets („growing the pie“)

Please fill in the survey! (later)

Questions we need to answer together

Types of actions available in Horizon 2020:

- Research and innovation actions
- Innovation actions
- Coordination and support actions
- Marie Skłodowska-Curie actions
- SME Instrument
- Fast track to innovation

To what WG1 should aspire

EAASI as partner of first choice for entities that create policies or want to use aerial survey in EU funded projects

Future actions

- **Extending EAASI members database with information about EU grants experience (members survey)**
- **Participating as a partner in Horizon 2020 Coordination and support actions project, if still possible**
- **Constant monitoring and dissemination of funding opportunities**

Future actions

- **Constant monitoring and dissemination of funding opportunities – newsletter ?**
 - Local events are very good source of information, use EAASI network of members to our advantage
 - Use the local matchmaking events to promote the association

Future actions

- **Participation as EAASI in 2020 edition of European Research and Innovation Days:**
 - European Research and Innovation Days is the first annual policy event of the European Commission, bringing together stakeholders to debate and shape the future research and innovation landscape.

Future actions

Being proactive, as an association we can have an impact!

Funding

- Over 50 funding programs implemented through the Multiannual Financial Framework which support EU policies
- Over 76% of the EU budget is managed in partnership with national and regional authorities through a system of "shared management,,

Funding in Horizon 2020

- Experience is a good bonus
- The majority of successful proposals feature highly diverse consortia with collaborations between different types of institutions and countries
- Cross-sector efforts are usually advantageous

Sample project idea

- **Programme: Centres/Networks of European research and innovation**
 - Opening: 05.11.2019
 - Deadline: 12.03.2020
 - Budget: 2-3 mln
 - Duration: 3-4 year
- **General Condition:**
 - A maximum of three proposals will be supported including one for India and one for Africa.
 - For Africa the centre(s) with the network of incubators and accelerators should target at least five sub-Saharan African countries, build on existing local incubators and accelerators, and focus on technology transfer/adaptation (from Europe to Africa or vice-versa), staff exchanges and training.

Sample project idea

- **Scope:**
 - Providing services such as incubator co-working space, advice and support directly to European innovators that want to soft-land in the partner country/region and/or to engage in co-creation with local innovators;
 - Building/linking to an eco-system of stakeholders including early adopters, potential customers, partners etc. in the country/region;
 - Supporting the transfer and internationalisation of demonstrated technologies and know-how, both to and from the country/region;

Sample project idea

- **Scope:**
 - Launching local market development programmes to deploy European technology;
 - Offering mentorship, training and promoting staff exchange to increase capacities of innovators;
 - Leveraging private and public investors' resources to sustain the activities of the centre(s).
 - To establish new centres, or networks of centres, in close cooperation with local technology and innovation structures located in third countries and regions.

Sample project idea

- **Expected Impact:**

- Reinforced cooperation between European innovators and those of the Union's international partners;
- Higher visibility and prestige for European research and innovation and its actors in international partner countries/regions;
- Stronger presence of European organisations in the innovation environment of the partner country/region;
- Enhanced impact of results from research and innovation projects, including those under Horizon 2020, through increased access to excellence and to markets across the world.

Sample project idea

Idea for EAASI:

- Promoting aerial survey data in Africa
- Establishment of Centres at universities promoting aerial data
- Establishment Centras equipped with computers/software necessary for aerial data processing
- Delivery of aerial images in selected areas of the centres' activity
- Running workshops on use of aerial survey data

Horizon Europe: Jakub Krawczyk, OPEGIEKA



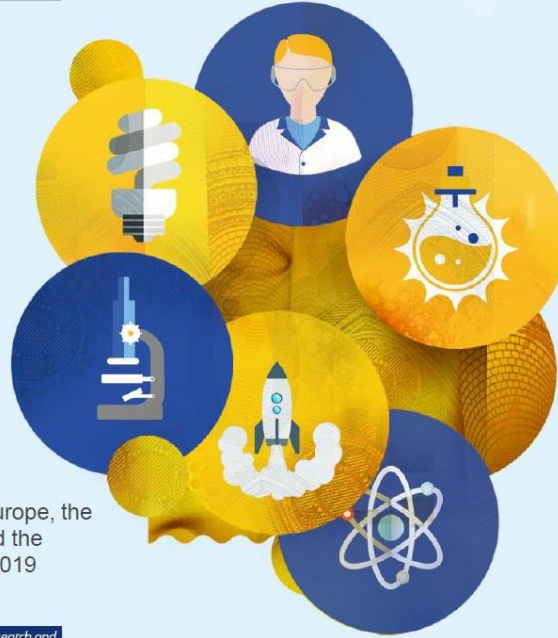
Horizon Europe

THE NEXT EU RESEARCH & INNOVATION
INVESTMENT PROGRAMME (2021 – 2027)

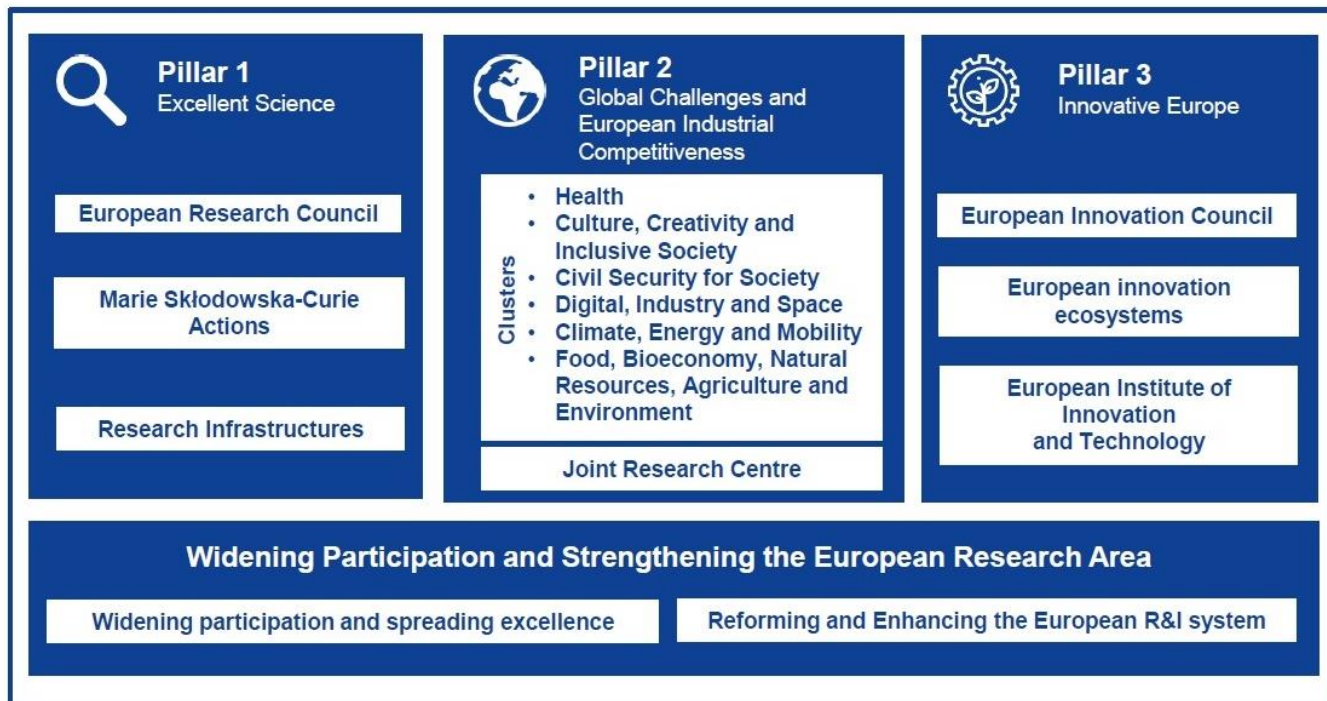
#HorizonEU

Based on the Commission Proposal for Horizon Europe, the common understanding between co-legislators and the Partial General Approach, both approved in April 2019

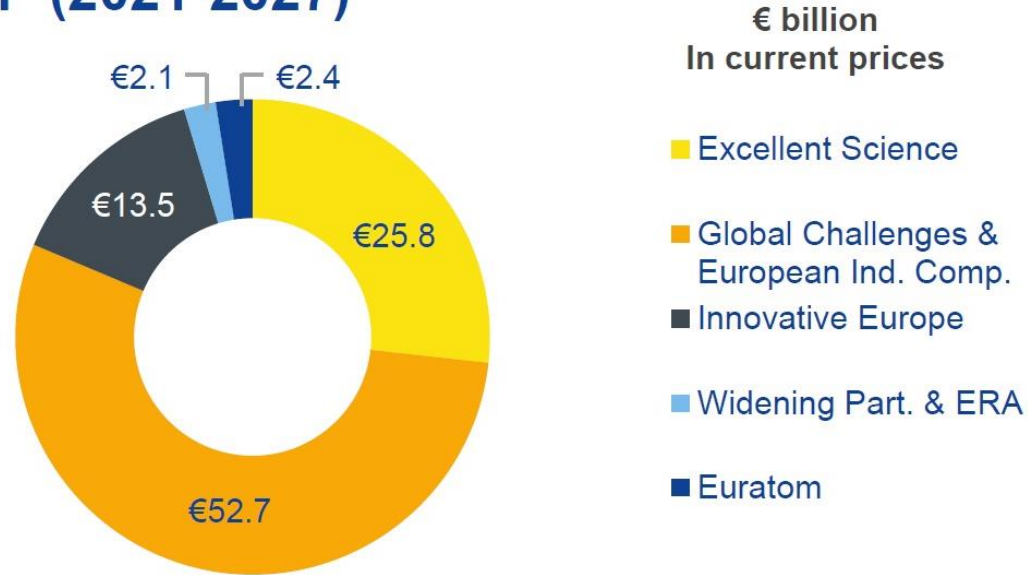
Research and
Innovation



Horizon Europe: Preliminary structure



Commission proposal for budget: €100 billion* (2021-2027)



* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

Adaptation to climate
change, including societal
transformation



Healthy
oceans,
seas,
coastal
and inland
waters



**Mission
areas**



Cancer

Climate-neutral
and smart cities



Soil health
and food

Pillar 1

EXCELLENT SCIENCE:

reinforcing and extending the excellence of the Union's science base

European Research Council

- Frontier research by the best researchers and their teams

Commission proposal:
€ 16.6 billion

Marie Skłodowska-Curie Actions

- Equipping researchers with new knowledge and skills through mobility and training

Commission proposal:
€ 6.8 billion

Research Infrastructures

- Integrated and inter-connected world-class research infrastructures

Commission proposal:
€ 2.4 billion

Pillar 2 - Clusters

Global Challenges & European Industrial

Competitiveness: boosting key technologies and solutions underpinning EU policies & Sustainable Development Goals

Commission proposal for budget: € 52.7 billion



Pillar 3

INNOVATIVE EUROPE:

stimulating market-creating breakthroughs and ecosystems conducive to innovation

European Innovation Council

- Support to innovations with breakthrough and market creating potential

Commission proposal: € 10.5 billion, incl. up to € 500 million for ecosystems

European innovation ecosystems

- Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

- Bringing key actors (research, education and business) together around a common goal for nurturing innovation

Commission proposal: € 3 billion



New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key features

- Simple architecture and toolbox
- Coherent life-cycle approach
- Strategic orientation

Co-programmed

Based on Memoranda of Understanding / contractual arrangements; implemented independently by the partners and by Horizon Europe

Co-funded

Based on a joint programme agreed and implemented by partners; commitment of partners for financial and in-kind contributions

Institutionalised

Based on long-term dimension and need for high integration; partnerships based on Articles 185 / 187 of TFEU and the EIT-Regulation supported by Horizon Europe

Discussion: WG1 goals