



Information préliminaire sur le WP 2018-2020 / Espace



European
Commission

Timetable towards the adoption of the WP 2018-2020

Year	Timetable proposed by DG-RTD
2016	▪ Stakeholder consultation/Advisory groups (Q1/Q2)
	▪ Consultation Member States (Q2/Q3)
	▪ Strategic Programming Document, incl. scoping papers (Q3)
	▪ Start of drafting of WPs (Q4)
2017	▪ Consultation of PC configurations on WPs drafts (Q1-Q3)
	▪ Adoption of the WP 2018-20 (Q4) (should incorporate the results of the Horizon 2020 Interim evaluation)
2018	▪ Adoption of financing decision for 2019 (Q2)
2019	▪ Adoption of financing decision for 2020 (Q2)

Reinforcing links with other parts of the WP

➤ Earth observation:

- Research infrastructures
- Societal Challenges:
 - SC2: Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy
 - SC5: Climate action, environment, resource efficiency and raw materials

➤ Satellite navigation:

- SC4: Smart, Green and Integrated Transport

➤ Technologies:

- ICT (e.g. ECSEL JTI, Photonics, Robotics, 5G)
- NMBP (e.g. FoF)

➤ Contribution to "Focus areas"

Stakeholder consultation workshop – 26, 27, 28 September



Session 1: Earth observation

- Panel 1.1: Widening the use of Copernicus data and information
- Panel 1.2: Market uptake
- Panel 1.3: Copernicus evolution

Session 2: Space technologies

- Panel 2.1: Generic space technologies
- Panel 2.2: Mission-oriented technologies

Session 3: IOD/IOV and Access to space

- Panel 3.1: IOD/IOV
- Panel 3.2: Access to space

Session 4: Space science and Space environment

- Panel 4.1: Exploitation of scientific space data and scientific instrumentation
- Panel 3.2: Space environment – space weather and space debris

Session 5: EGNSS – focus on applications and market uptake

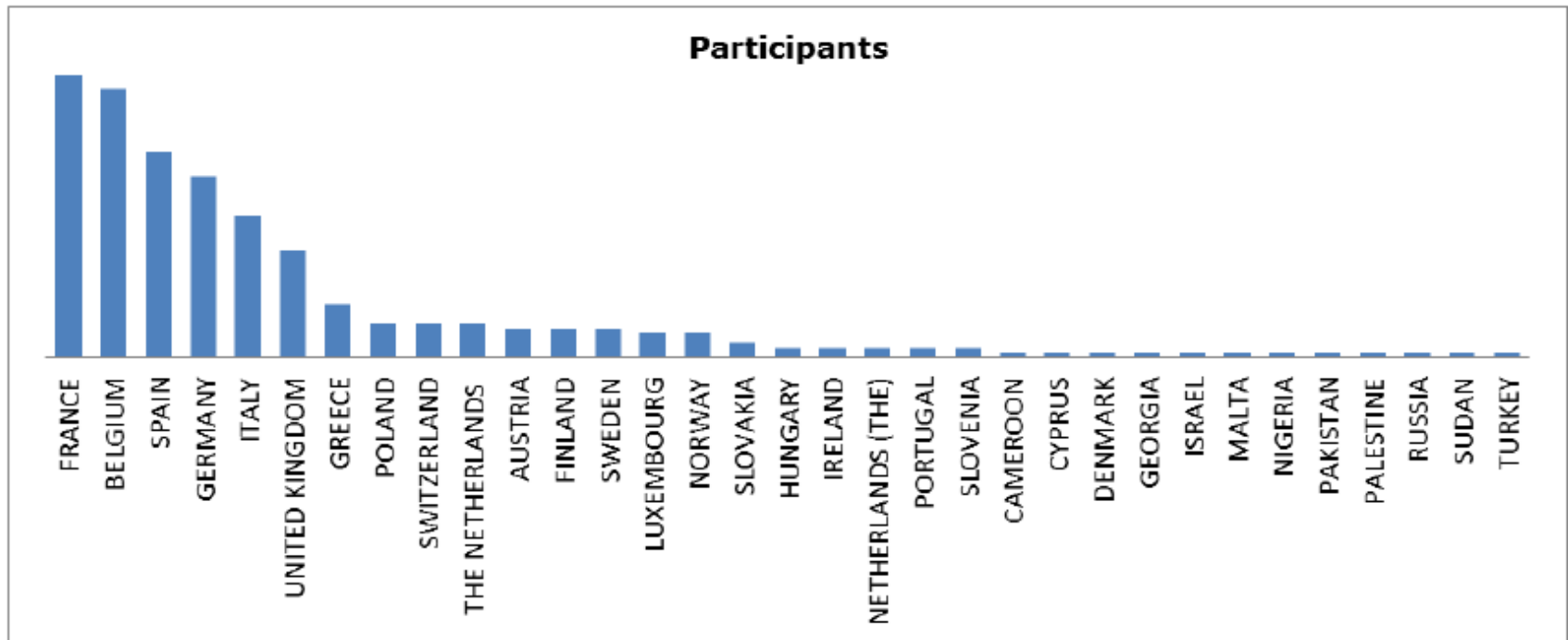
- Panel 5.1: Transport, Location-based services, Professional markets and other applications
- Panel 5.2: New instruments, new areas

Session 6: EGNSS – infrastructures, mission and services

- Panel 6.1: Science, Technology and Infrastructures
- Panel 6.2: Mission and services

Stakeholder consultation workshop – 26, 27, 28 September

- Close to 300 participants (~150 participants per day)
- About 100 panellists
- Presentations will be available in the website: <https://h2020-space-wp-2018-20.teamwork.fr>



Session 1: Earth observation: preliminary conclusions (1/3)

Widening the use of Copernicus data and information

- Technology challenges
 - ground segment
 - e-infrastructure
- Market challenges
 - widen use within Europe
 - facilitate agility to access global markets

Market uptake

- Coupling of Copernicus and Horizon 2020 programmes
 - Copernicus long-term vision underpinned by Horizon 2020
- Respective roles of public and private actors to drive the market
- Coupling of European and national effort



Session 1: Earth observation: preliminary conclusions (2/2)

Copernicus evolution

- Mission concepts
 - greenhouse gases, polar, soil moisture
- Sensors and instruments
 - hyperspectral, thermal infrared
- Services
 - different levels of maturity (tier -1, -2, -3) → different time scales → different process → inside Copernicus programme (t1&2) or H2020 programme (t3)
 - H2020 guidelines to be more well defined and with clearer priorities
 - Importance of a direct involvement of the Entrusted Entities (EEs) and of the users in the evaluation of the projects at each level of the process (from research to final application)
 - Operational evaluation of the maturity of project results to be made by the EEs and the Operational service providers (potentially structuring project into two stages)
 - Grants and/or direct procurements: grants ok for research (tier 3), direct procurement better for development in operational service (tier 1 & 2)
 - More coordination with ESA to avoid duplication of activities
 - To expand competition in procurements by Services to make them more efficient

Session 2: Space technologies (1/2)

Generic technologies

- Horizon 2020 should implement strategic priorities
- Long-term vision based on European roadmaps
 - Complementarity with ESA and Member States
 - Ensure continuity of actions
- End-to-end approach
 - product qualification, supply chain, time-to-market
- Synergies with other Horizon 2020 parts
 - NMBP, ICT, ECSEL, FoF
 - COTS: identify concrete list for synergies space/non space
- Size/TRL
 - Appropriate balance
- Industrial processes
- Key drivers: non-dependence and environmental challenges high throughput, flexibility, data challenge...



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