

Splinter 2 on User requirements

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What this session is - and what it is not



- Gathering inputs to better understand overall view on actual/possible use/users of EO
- Not discussions on new constellations or sensor types
- Not dreaming of impossible solutions in 50 years..2040 is getting closer
- But pragmatic, concrete user concerns, needs and suggestions
- Will be used as input for the Blueprint

Interactive Questions Results



What should ESA prioritize for the EO ecosystem going forward towards 2040?

41 responses



1



3





At which scale EO can be most useful to support policies?

A





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Q3





3	Mainly researchers should be the focus
) 11	Governments need to streamline & make the processes more efficient with EO
3	Private companies need to get more business using EO
6	General public and end users should be the priority

Which main users should we target for the use of the EO data?

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Q4: What is the main bottleneck for NOT using EO data?









45% Funding is the main problem to pay for EO services or data computing

18% EO data accessibility is the main issue



20%

10%

65%













Which are the requirements for data discovery for operational users & platforms to be really Analysis Ready Data usable?

A

46 responses



Summary of Discussions



- Variability of users: from modellers' need for L1 to policy/governance needing "binary actional" information
- Who is the user in 2040 (ref the 3 scenarios presented yesterday) user needs in AI driven world versus mitigation needs in the "Mad Max" scenario
- Discrepancy between existing reporting variables and EO capabilities dialogue needed
- More direct interaction with end users (and not only EO bubble) (different level of maturity in different sectors)
- Test data availability and infrastructure for training data integrity, traceability...
- Long timeseries/interoperability to be ensured for all different exploitation needs
- ESA take a leading role in *standarisation*, validation, calibration

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Summary of Discussions cont



- ESA as a trusted partner "ESA flag" can open door for the private sector to gain access to markets (GDA example) Political role for ESA
- "We know a lot about what happens at 10 AM" importance with diversity of measurements, orbits, approaches
- "smart space" (edge comuting, AI onboard) needs for smarter tasking/decission making onboard
- Need more holistic measurements and processes

 profiles not only of atmosphere but also sub terrain/ocean/core
- Importance of synergetic approach and collaborattion on European level and institutions (mandates)
- ESA as technology driver
- ESA as enabler on technology, policy, etc
- ESAs role as "role model"/inspiration in STEM/EO outreach/education (In 2040 the main part of the user community is not in this room); inspire the workforce of the future
- "It should not stop at science" enable transition from case studies to practices

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