

# Data access requirements as seen by the Polish entities

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2nd EARTH OBSERVATION FORUM  
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# Deliverables

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## SEED-EO

Support to Enhanced EO Activity in Priority States

D3

- **National EO Data Access Requirements Specification**

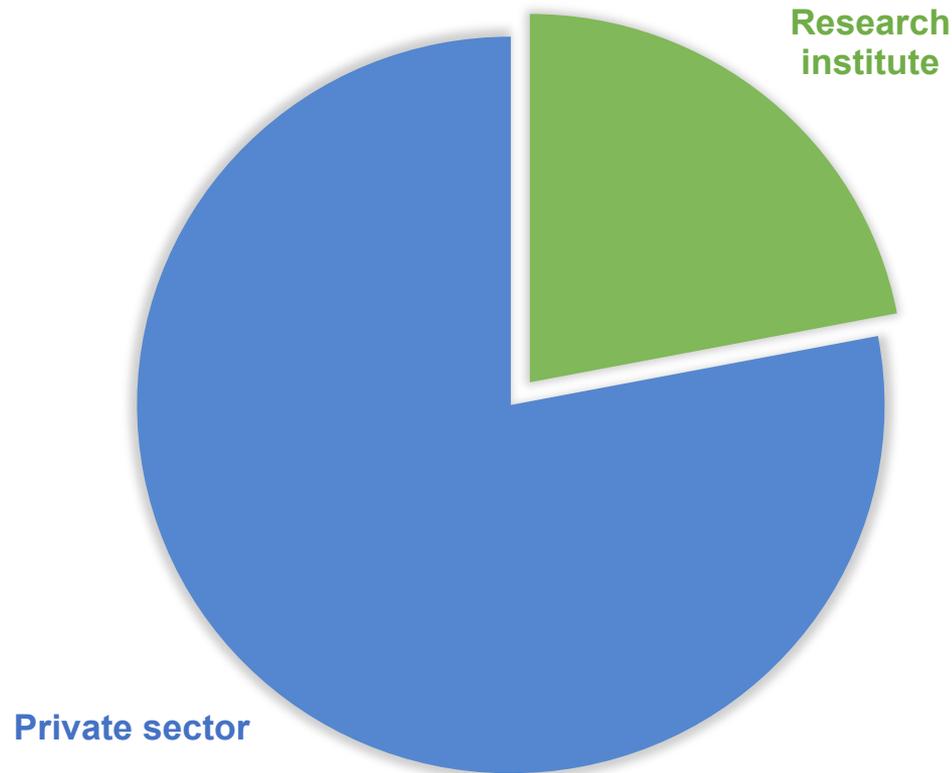
D4

- **National EO Data Access Implementation Approach**

## National users of EO data

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Interviews conducted with 18 representatives:  
22% from research institutes and 78% representing private sector



# EO data storage

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- 1 For **the whole territory of Poland**, all the EO data produced by Sentinel mission should be stored in the National Data Platform  
**100% respondents**
- 2 The free EO data for full coverage of Poland from **other than Sentinel missions** should be stored in the National Data Platform  
**83% respondents**
- 3 The National Data Platform should contain an archive of all free EO data for territory of Poland **from the beginning of any available satellite mission**  
**100% respondents**

## Functions and software

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- 4 The EO data after **automatic atmospheric and geometric** correction should be available at the National Data Platform  
**39% respondents**
- 5 The National Data Platform should be integrated with **free software distributed by ESA**: Toolbox 1,2,3 and SNAP  
**44% respondents**

# Acquisition

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- 6** For users who provide services for **security sector, crisis management weather forecasting** it is highly important that the **NRT EO data** is available on the National Data Platform  
**33% respondents**
  
- 7** For users who provide services **focused on monitoring the standard delivery time** (3 hours after acquisition) is acceptable  
**78% respondents**

# Functionality

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- 8      Function which allows **searching for datasets in a spatial and temporal window** should be implemented on the National Data Platform  
**89% respondents**
- 9      Function which allows **searching for cloud pixels free EO data inside a defined time window** should be implemented on the National Data Platform  
**72% respondents**
- 10     Function which provides possibility of **automatic downloading time composite** of cloud pixels free EO data, whenever available, should be implemented on the National Data Platform  
**44% respondents**

## Other requirements

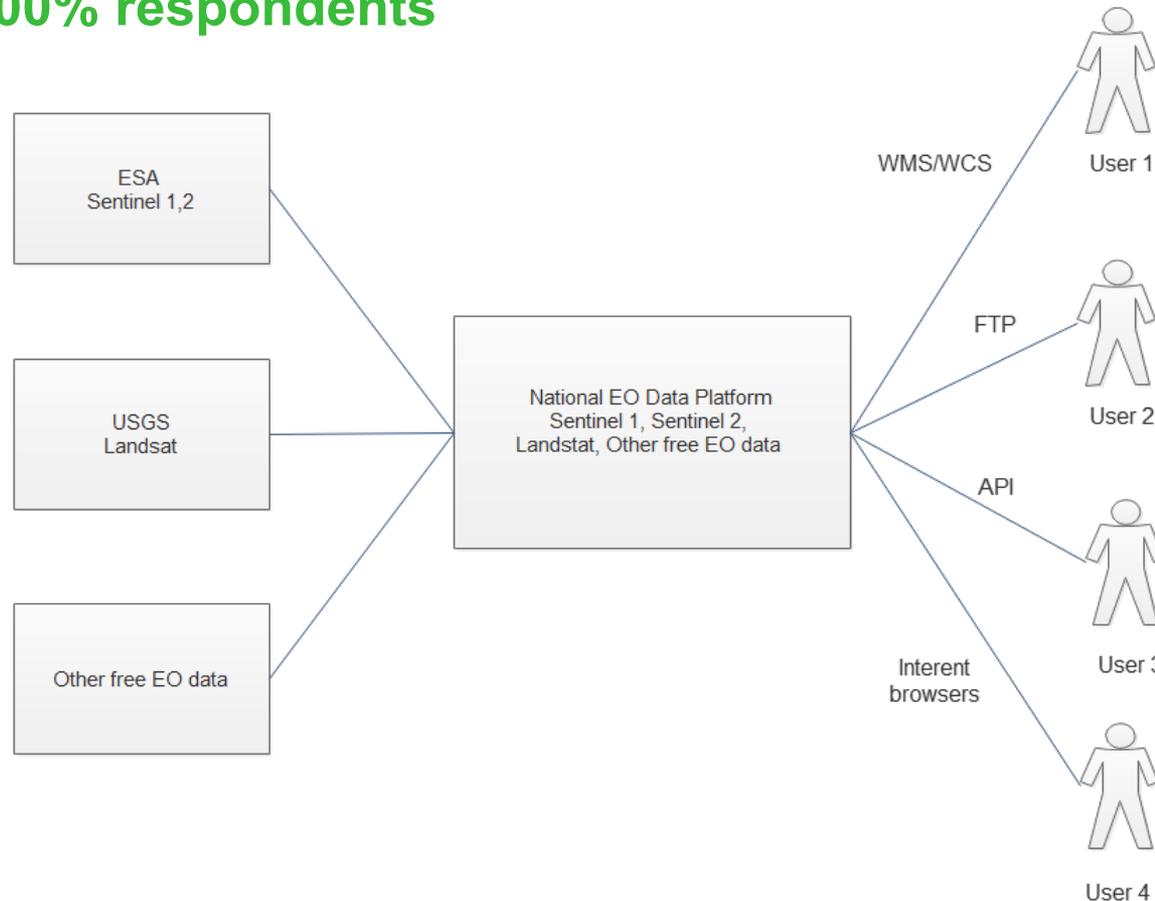
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- 11** It should be possible to sign agreement, such as **Service Level Agreement (SLA)**, about priority access to the EO data and quality of service with operator of the National Data Platform  
**17% respondents**
  
- 12** Function that supports and provides products **in national projections** should be implemented on the National Data Platform  
**44% respondents**

# Standards

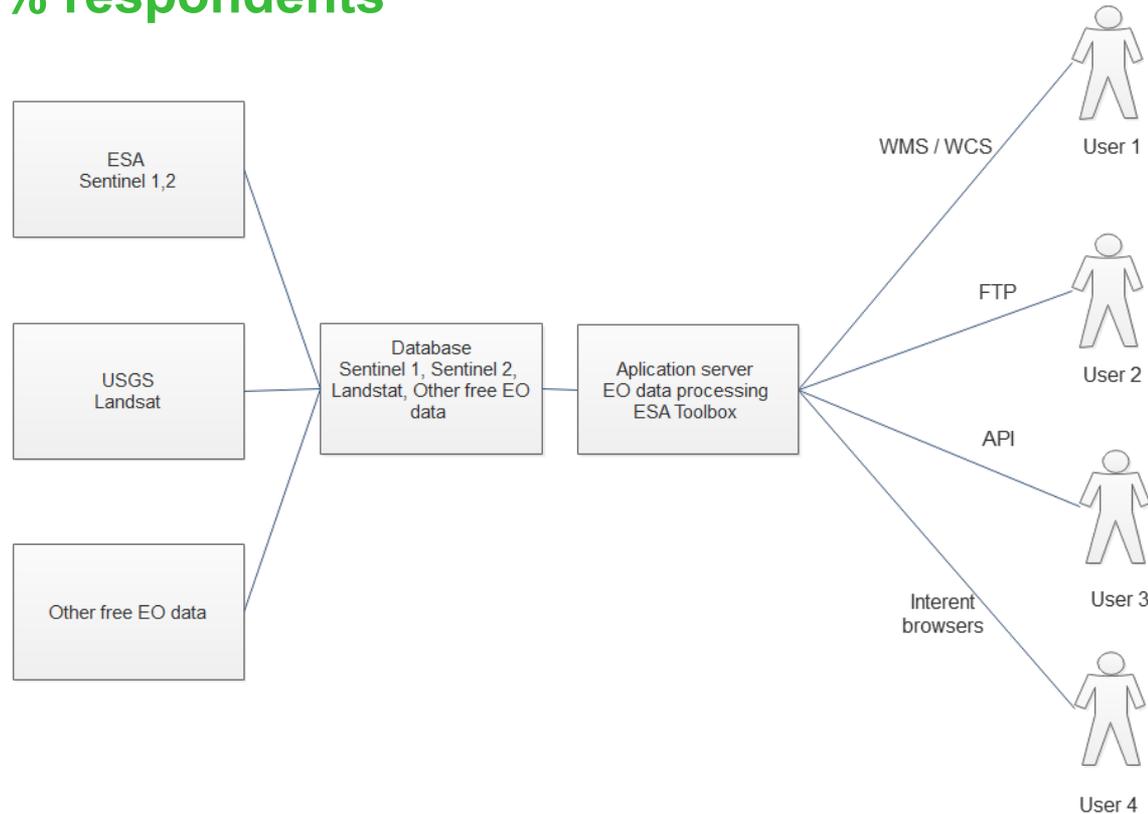
13

The EO data should be available from the National Data Platform via **WMS, WCS, FTP, API, HTTP** standard  
**100% respondents**



# Cloud computing

- 14 The National Data Platform should offer **computing power for processing** the EO data directly on the platform  
**33% respondents**



## Next steps

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### **Deliverable 4 : National EO Data Access Implementation Approach:**

- Infrastructural needs
- Possible technical solutions
  - Ground station
  - Mirror site
  - Cloud computing and data center
  - Other
- Comparisons of possible technical solutions

### **Approach to work:**

- Individual meetings
- Workshops

# Thank you.

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