

FINDR – <u>Fast and Intuitive Data</u> <u>Retrieval for Earth Observation</u>



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Kick-off cofunded Projects Seminar 17-18th March 2021



Agenda

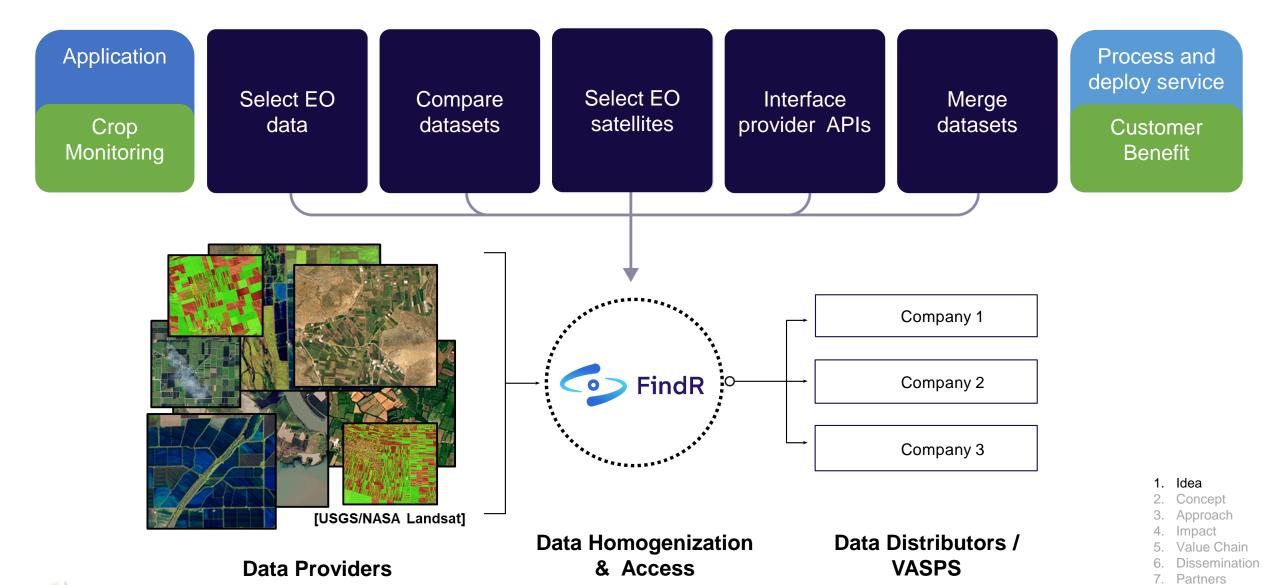


- 1. Idea
- 2. Concept
- 3. Approach
- 4. Impact
- 5. Value Chain
- 6. Dissemination
- 7. Partners



The Challenge and its Answer





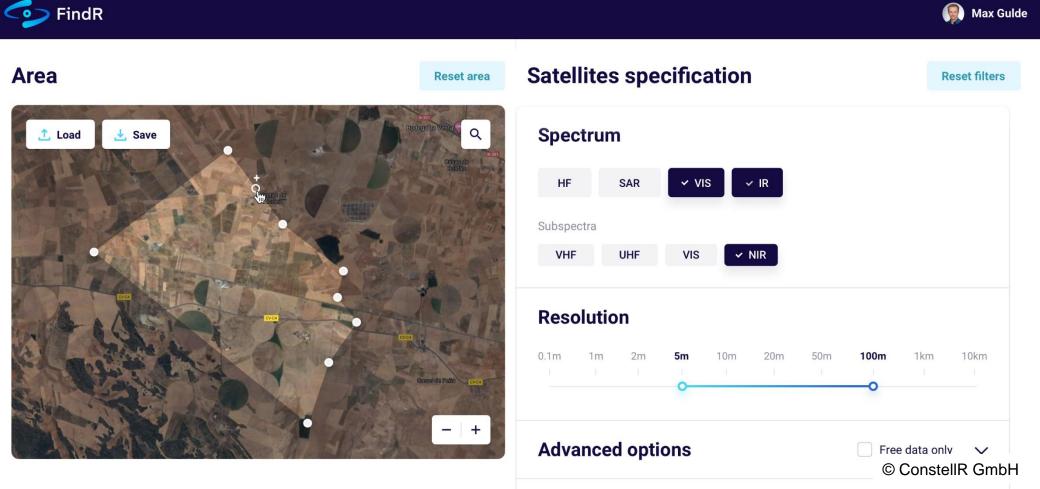
Concept: Define the Application



Select Time and Region of Interest

Select or CreateApplication

3 Specify Requirements



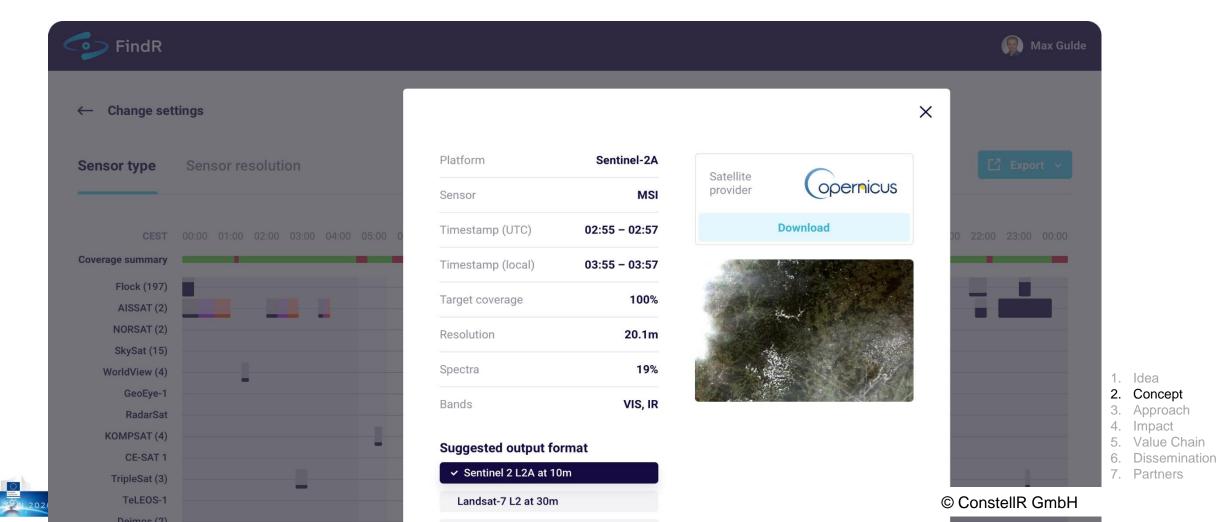
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Concept: Retrieve Your Data



- Availability Comparison Chart
- Specifications, Provider and Preview
- Format Selection for Homogenization



Research approach & activities



Scalability: scalable processing infrastructure including distributed data infrastructures with caching optimization for large scale data

- Search and Access:
 Archive search including cloud detection + accurate near-future
 forecasts on data availability and cloud cover for all major existing
 EO systems enabling faster and better-informed decisions
- Homogenization: radiometrically, spatially, and spectrally adaptation of various sources to a common specification for information complementation

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Potential impact



- Existing and new applications (e.g. crop-yield optimization + prediction)
 - Reduced entry barriers
 - Increased data availability
 - Reduced maintenance
 - Reduced integration effort
- Boost VASP uptake of EO-data/-information products by reduced effort to interface with different providers
- Spill-over effects from the agricultural sector to other markets such as water resources management infrastructure, urban and marine monitoring
- Spin-Of for commercialization beyond project duration

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Cooperation with Stakeholders / value chain



- VASP as Project Partner
- Work package on end user engagement
 - End User Identification
 - Application Test
 - Field Trials
 - Operational one-season run with VASP crop monitoring application using FINDR data

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Dissemination and outreach



- Conferences, Workshops and exhibitions
- Journal Papers and other Publications
- Website
- Social Media
- Webinars and massive open online courses
- FINDR Workshop

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Project Partners









LET'S KEEP IN TOUCH!

Please feel always free to reach out to us.

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Thank you for your attention!