From Science to Public Benefit
From Platforms to Information Factories

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Science, Applications & Climate Department

EODC Forum

15 June 2022

supporting the long road to operational use…

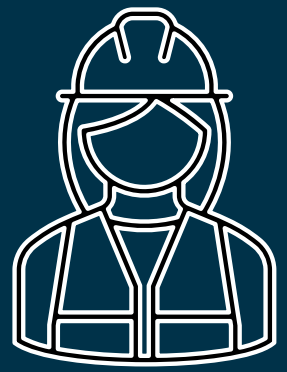
SCIENCE

APPLICATION R&D

INDUSTRY (-alisation)

“last km”

Operational User



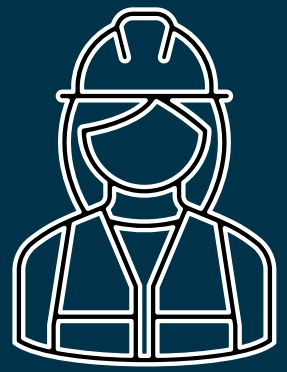
supporting the long road to operational use…

100% space

>90% space

“space contribution”

Operational User



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PLATFORMS

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100% space

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Open Science Environments

- Open Science Principles
- FAIR (Findable, Accessible, Interoperable, Reusable)
- Reproducible Science
  - Permanent Environment for ESA project results (algorithms, workflow, input data, results)
  - Permanent OGC demonstrator with NASA and Member States' Space Agencies
- Interoperability: support for openEO community standard

PLATFORMS

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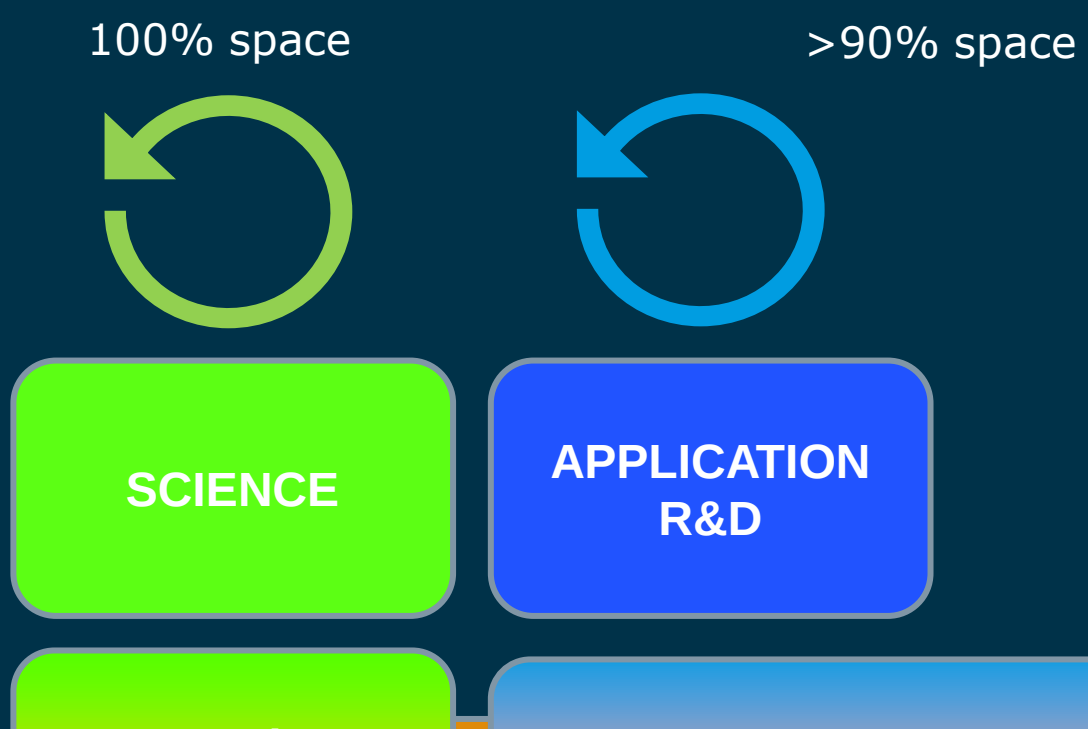

- FAIR, but …
- … from open Source to industry IPR
- Permanent Demonstration Environment for ESA project results allowing reuse and "building on top"
- "Maternity Ward"/Stewardship approach to foster evolution with operational entities
- Interoperability: OGC Best Practice for application deployment

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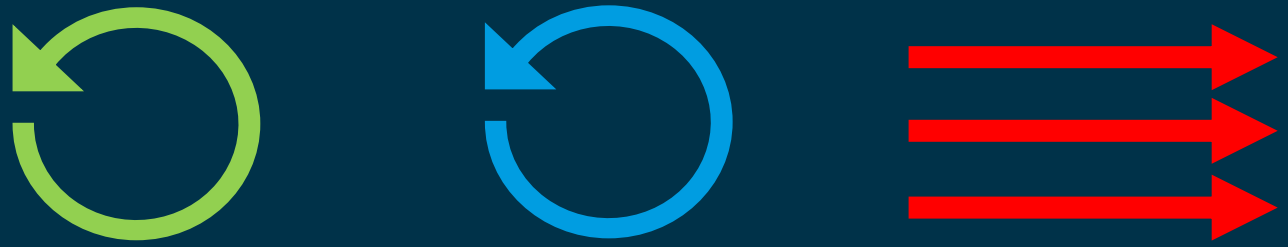

- Pushing Best Practices state-of-the-art
- Building up industry IPR
- Operationalise with full costing and business model development
- "Information as a Service"
- Interoperability: adopting standards and semantic of thematic domain, GAIA-X (tbc)

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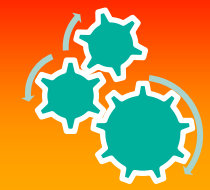
INDUSTRY (-alisation)

Open Science Environments

Application Propagation Environments

Information Factories



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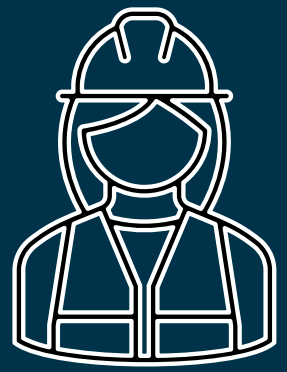

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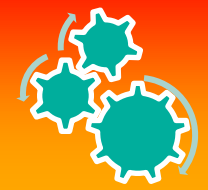

PLATFORMS

Network of Resources today …