



Open  
Geospatial  
Consortium

# Open Innovation for Earth Observation Programmes: An International Perspective

**EO Platforms, Open Science, and  
Tangible Interoperability**

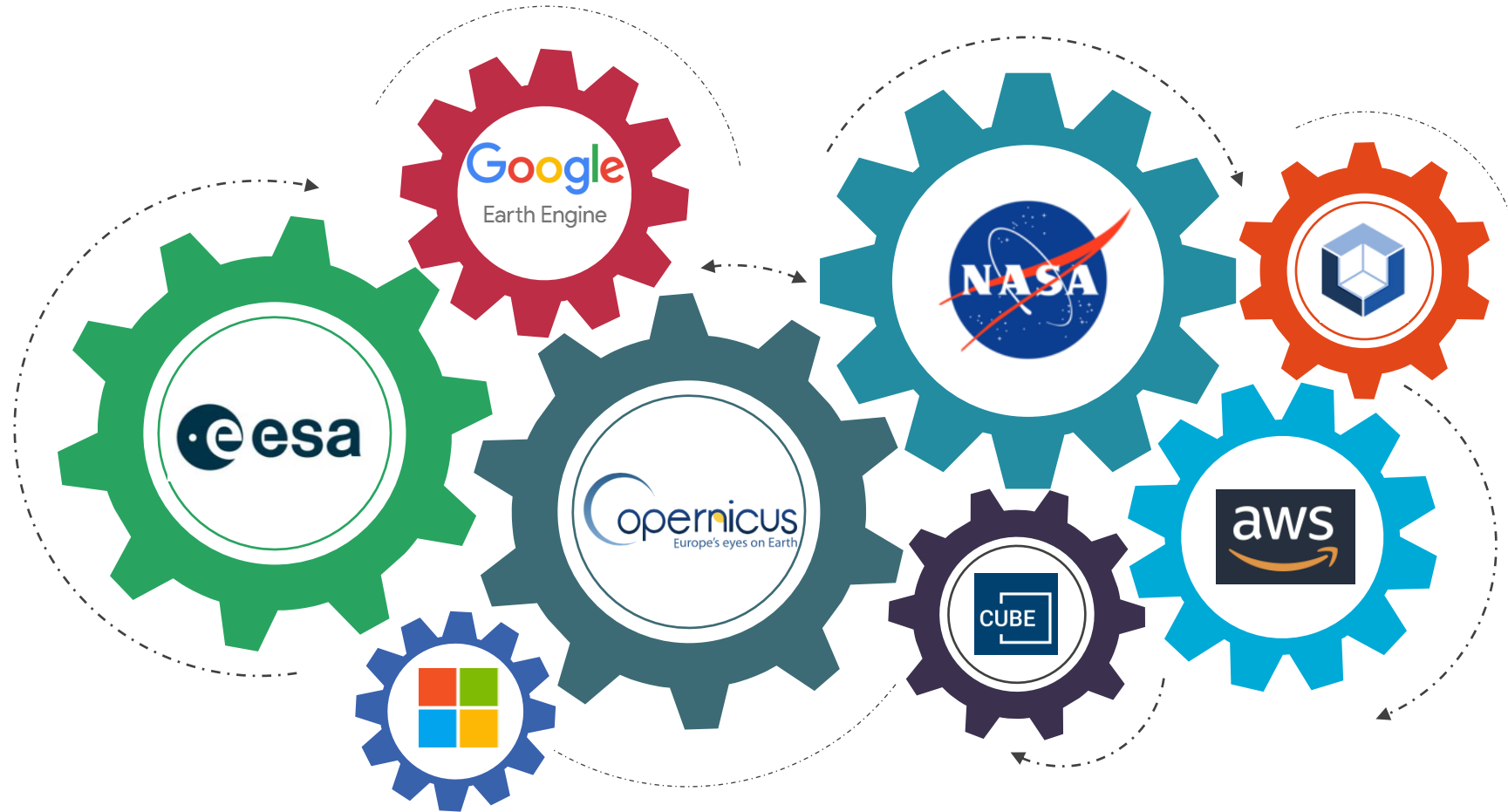
Dr. Ingo Simonis, OGC CTIO

November 2022





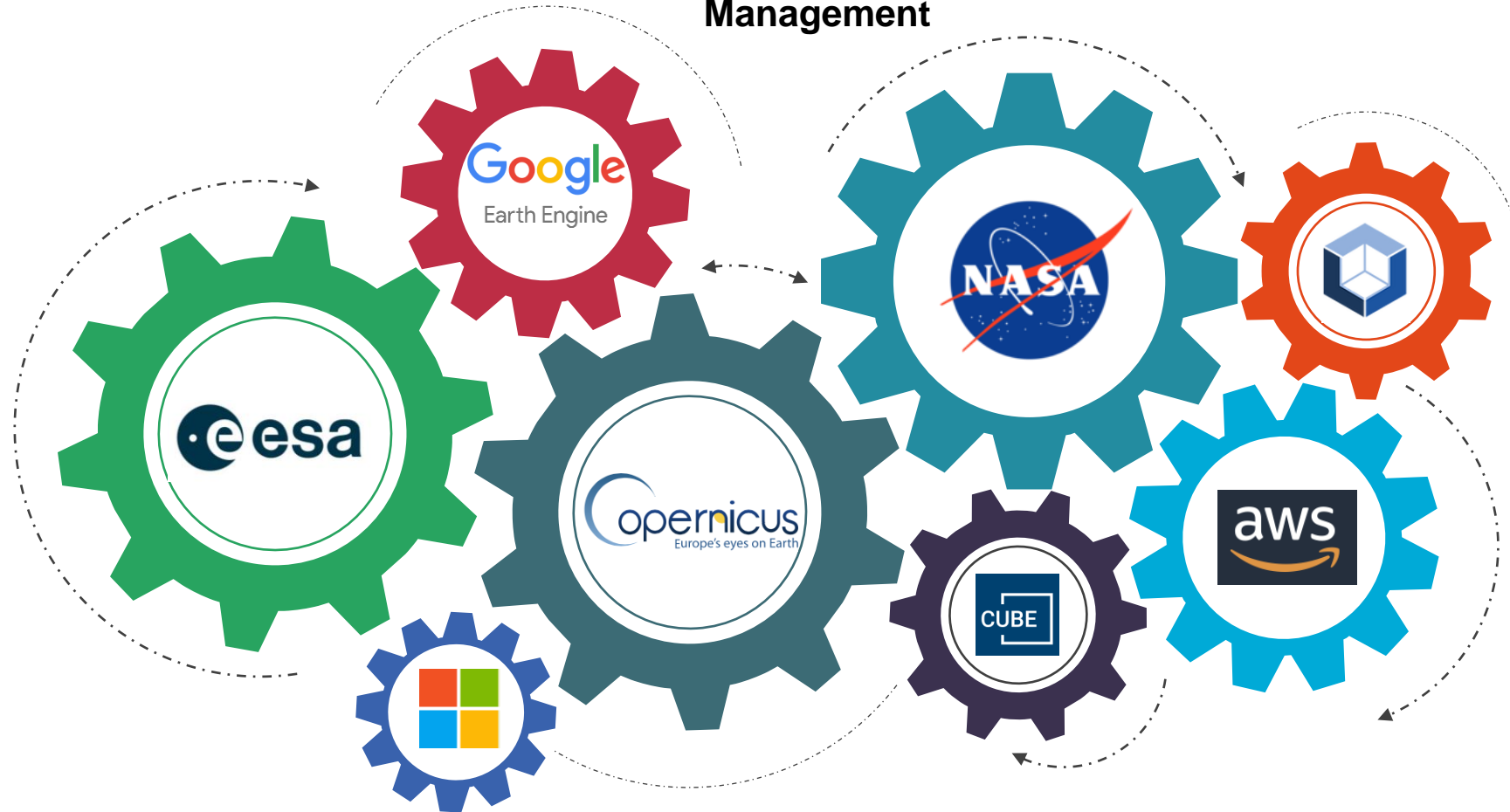
# The Ideal



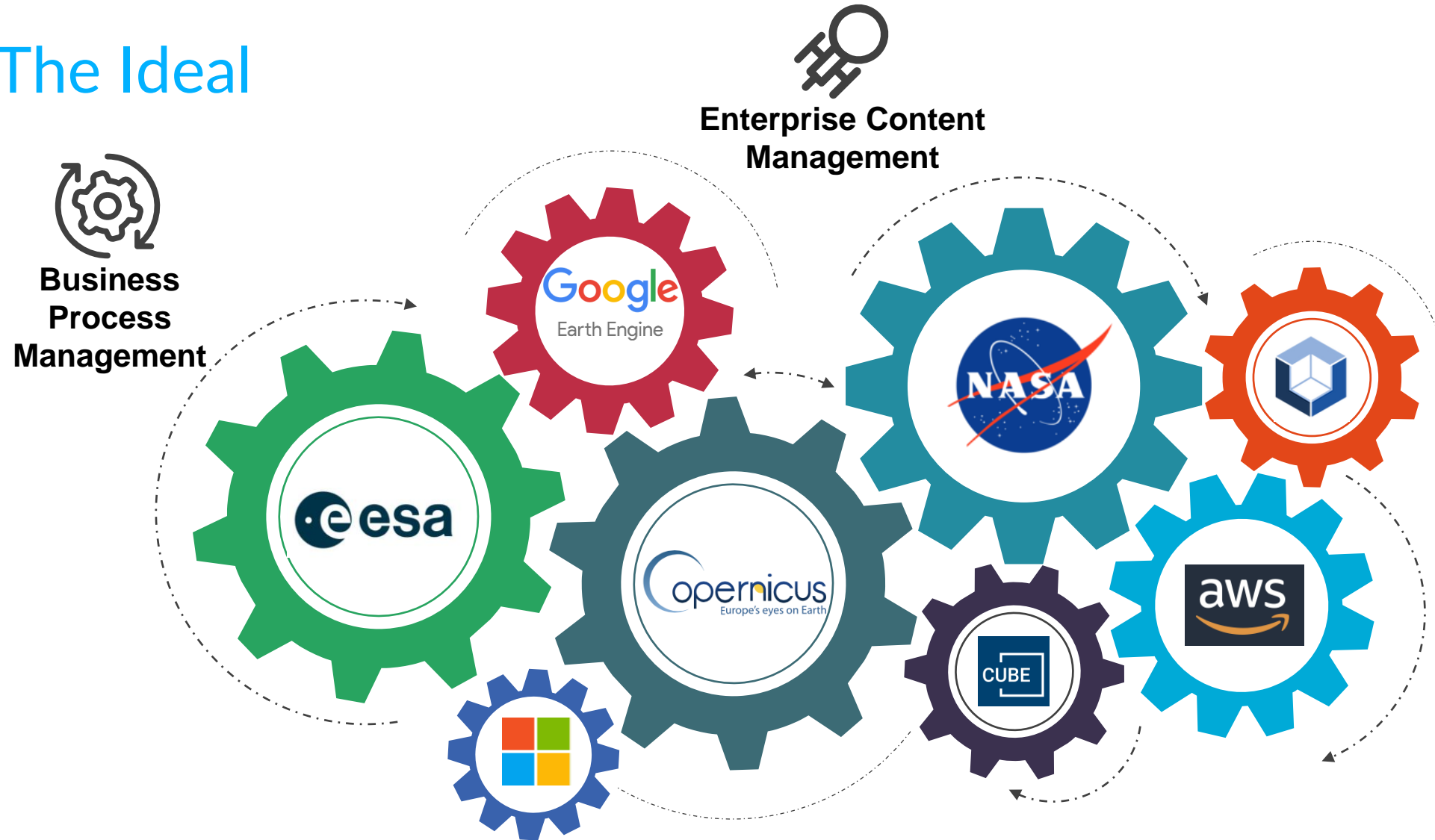
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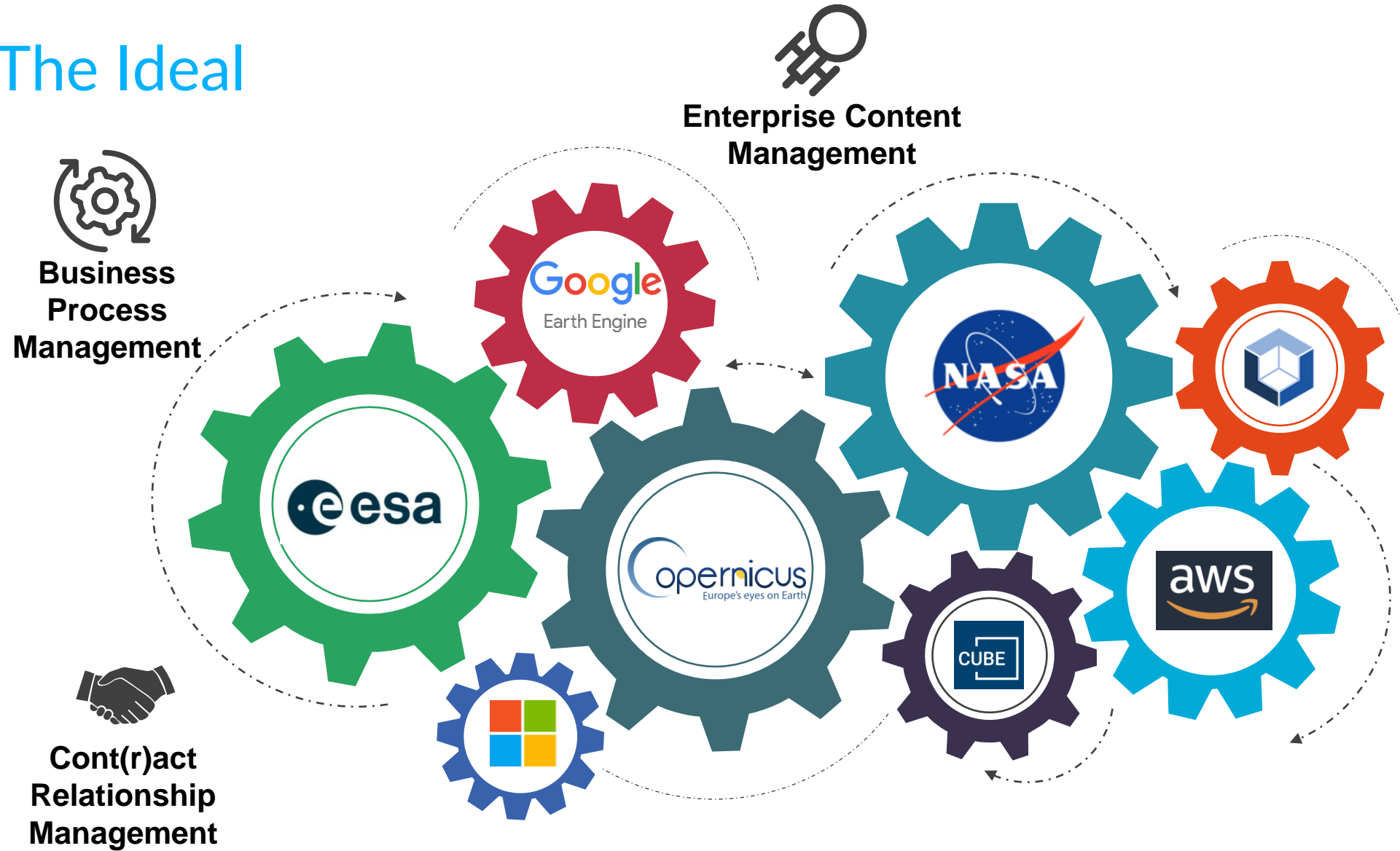
## Enterprise Content Management



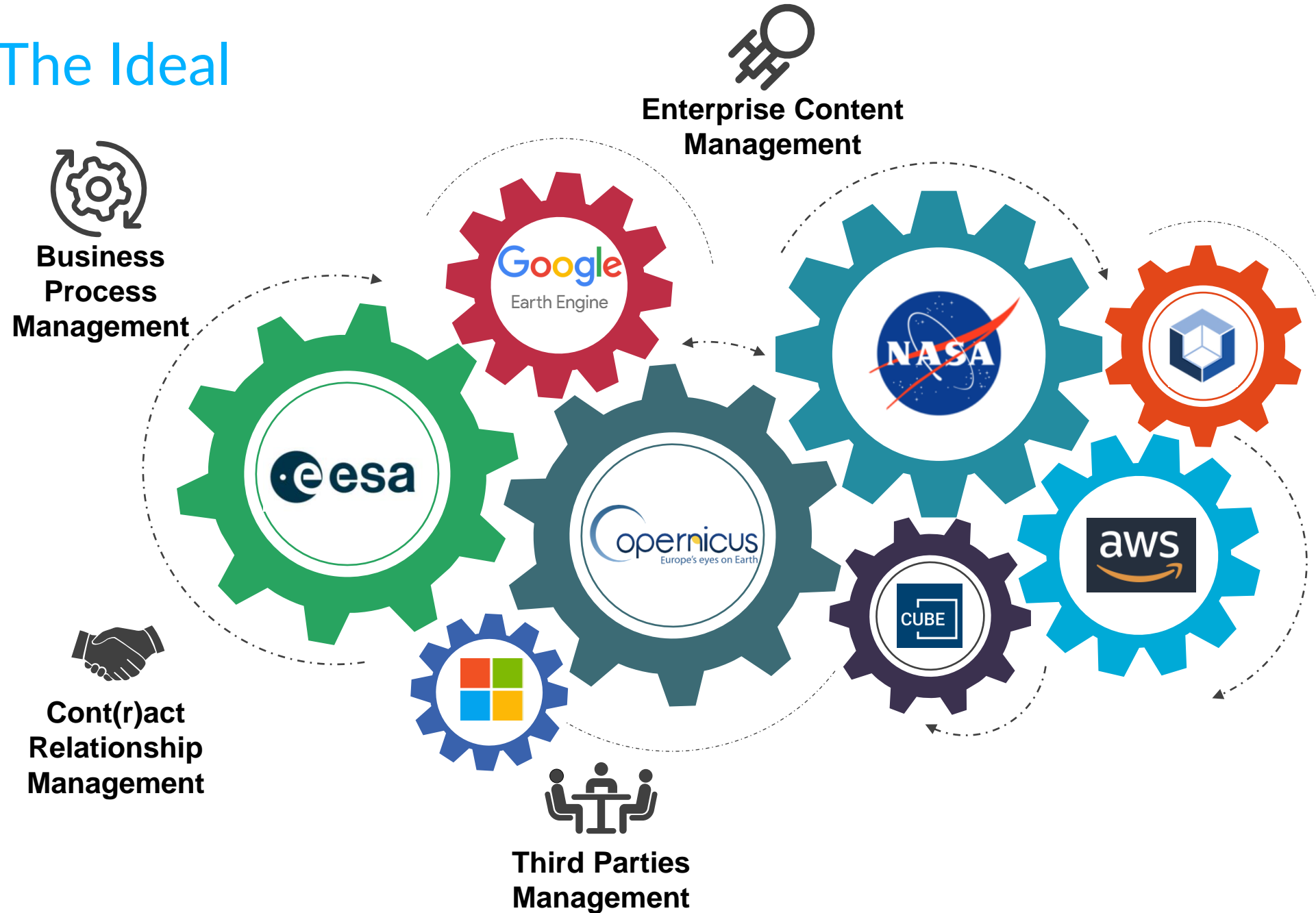
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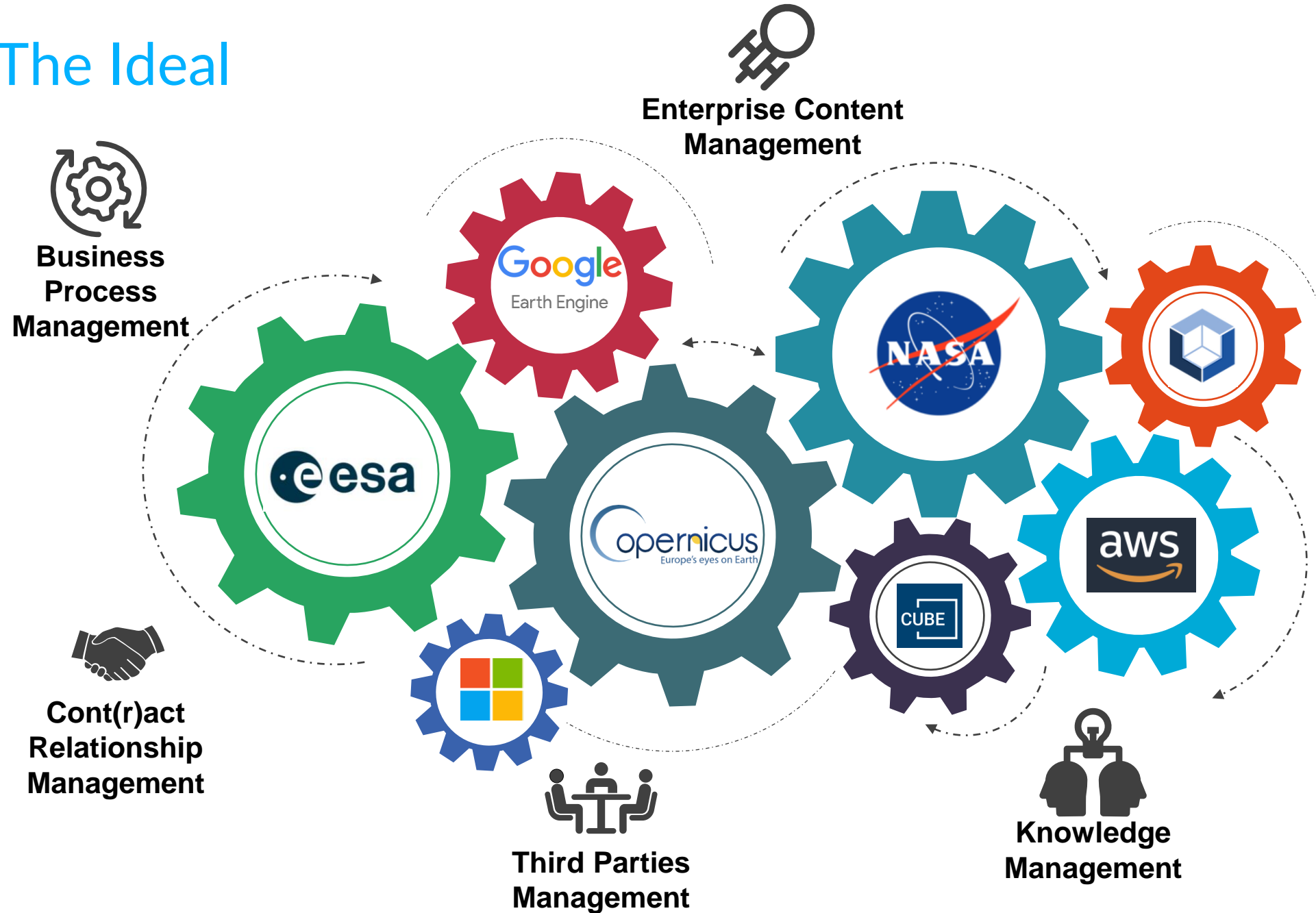
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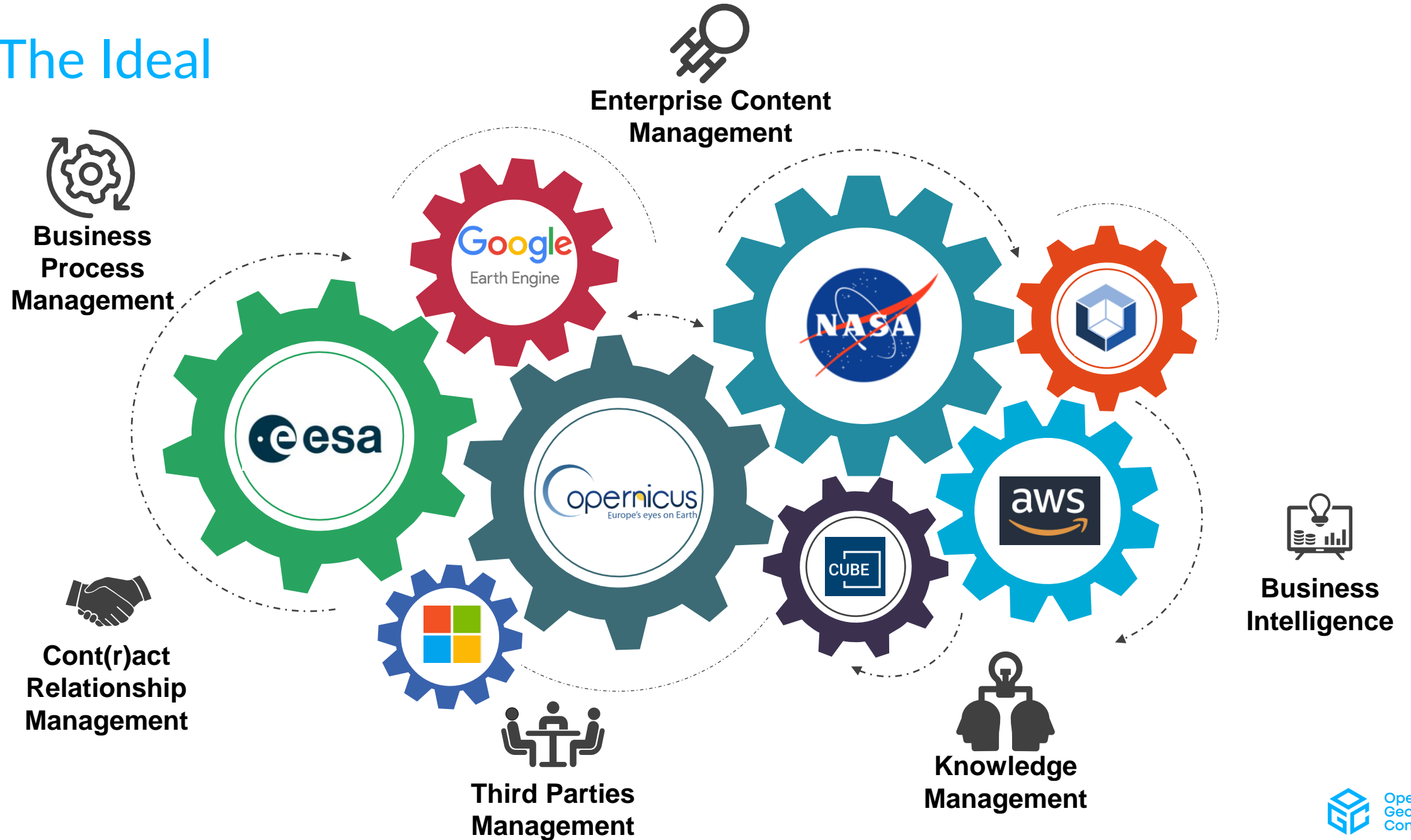


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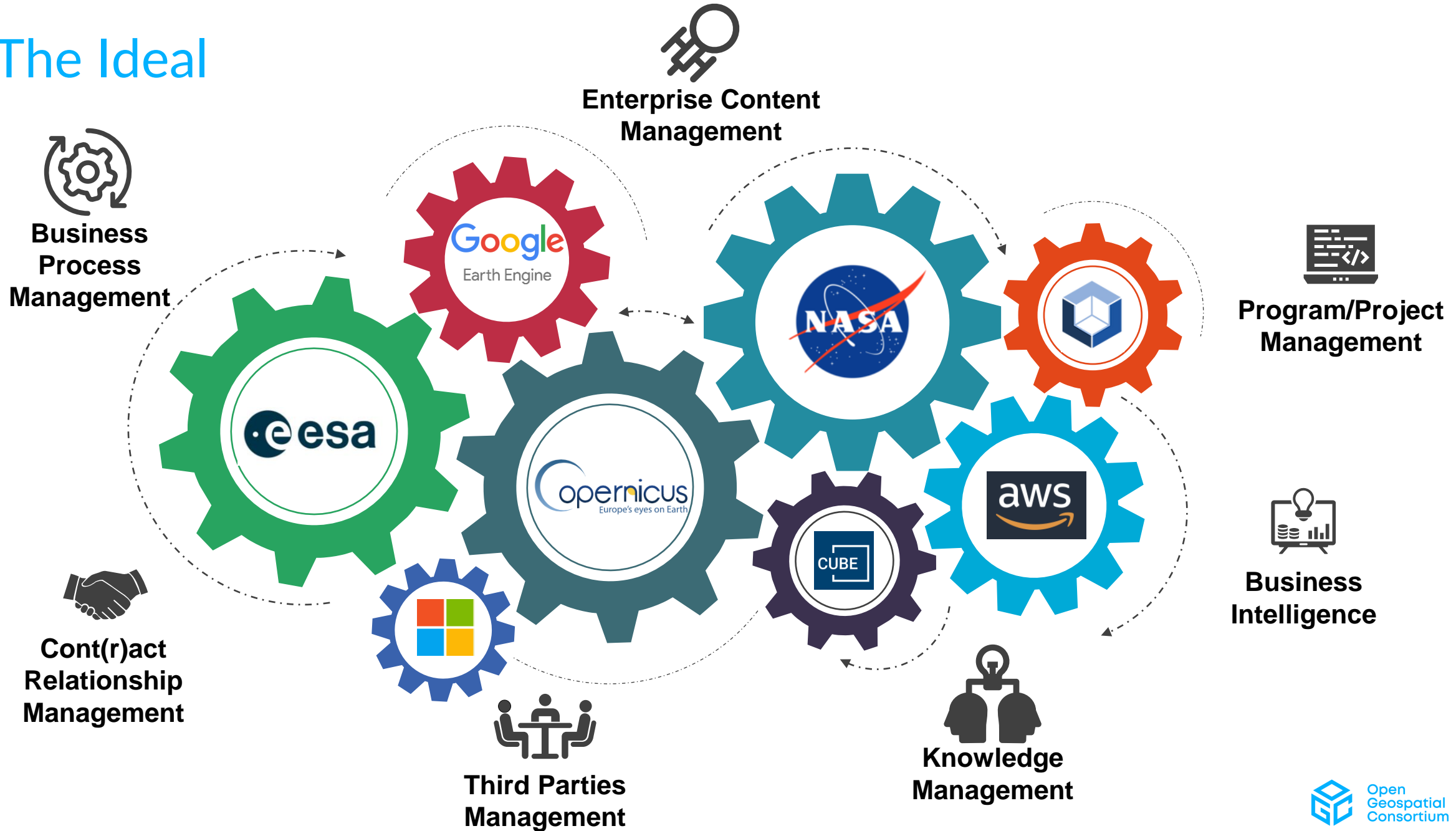




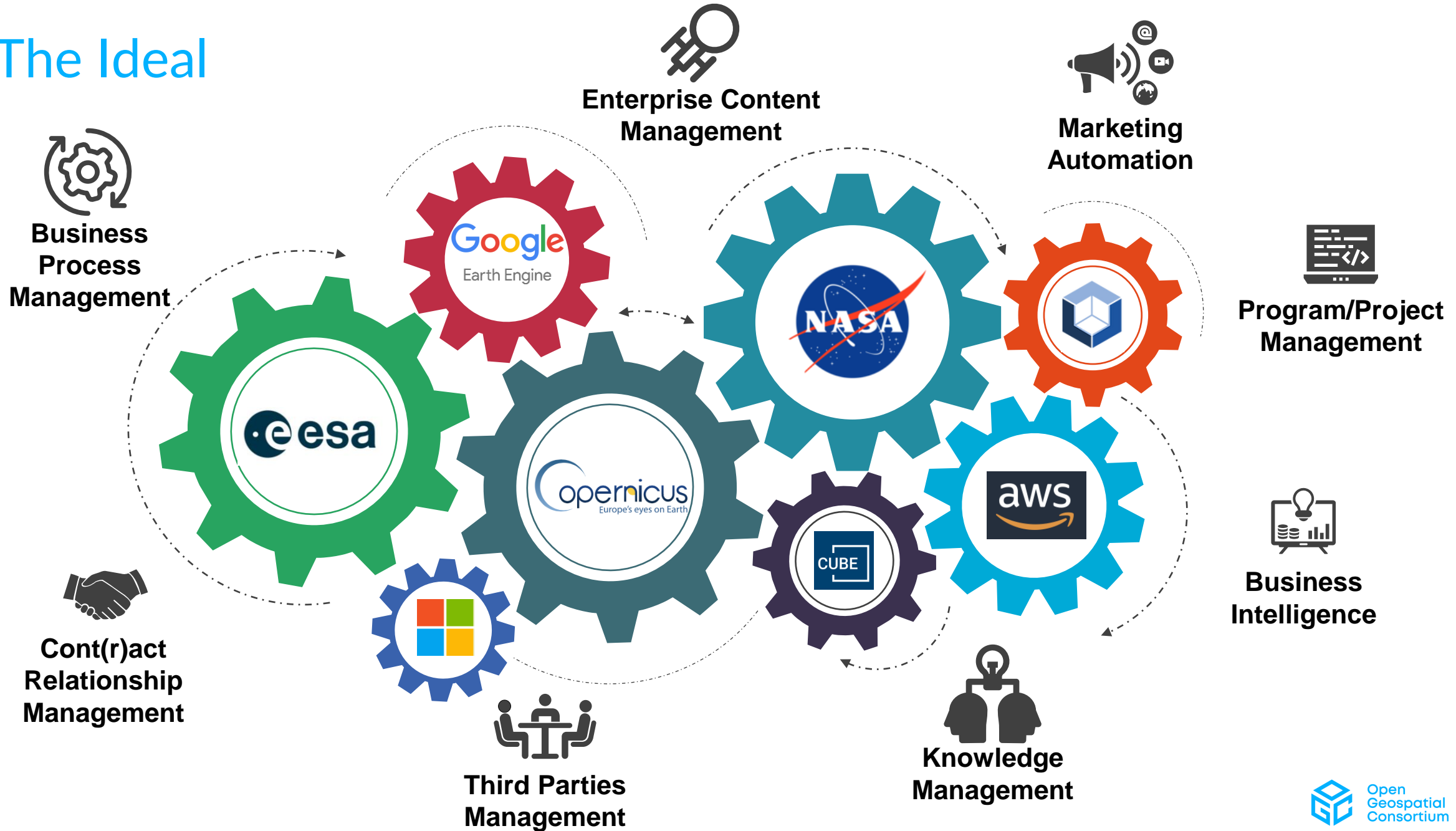
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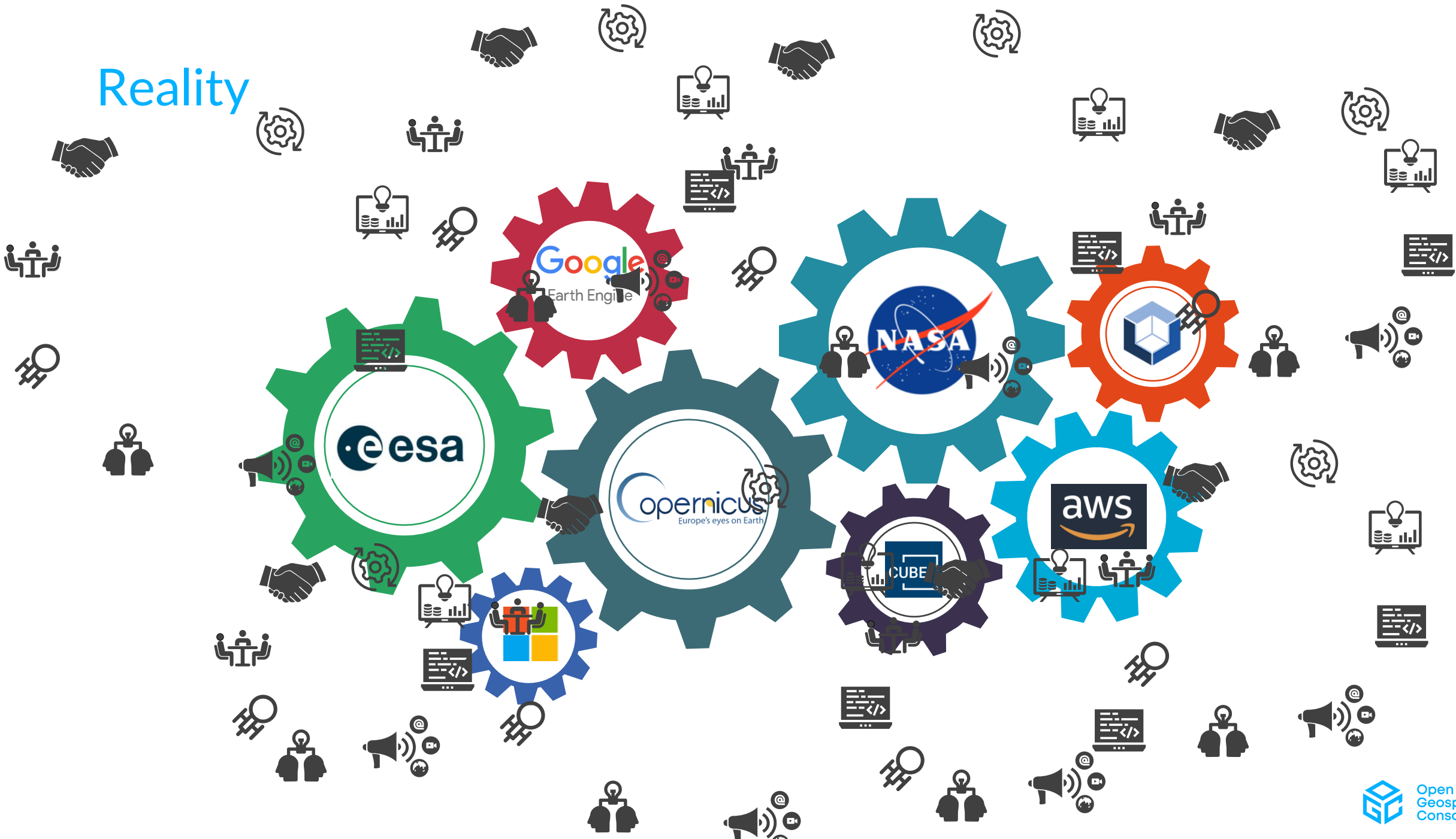
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Reality



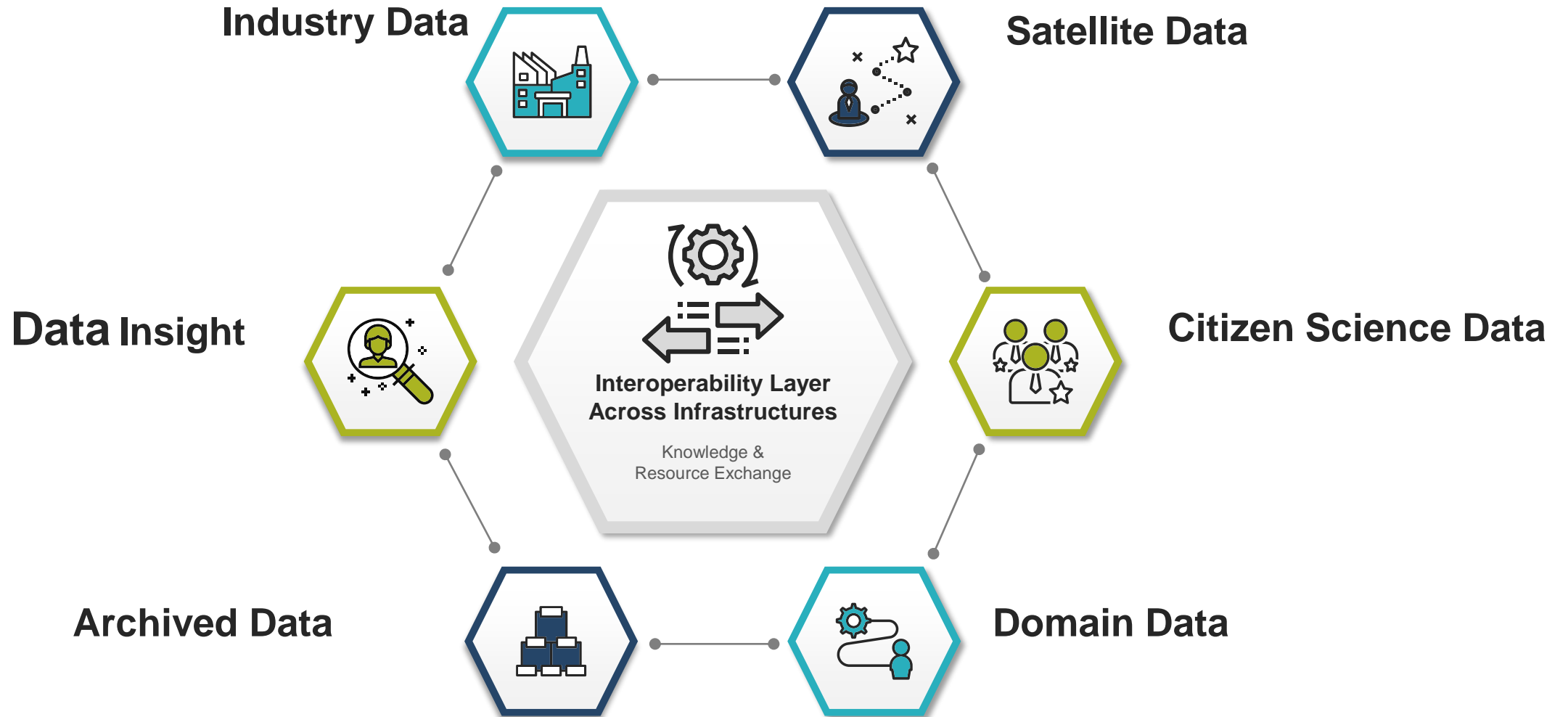
# What do we need to do?



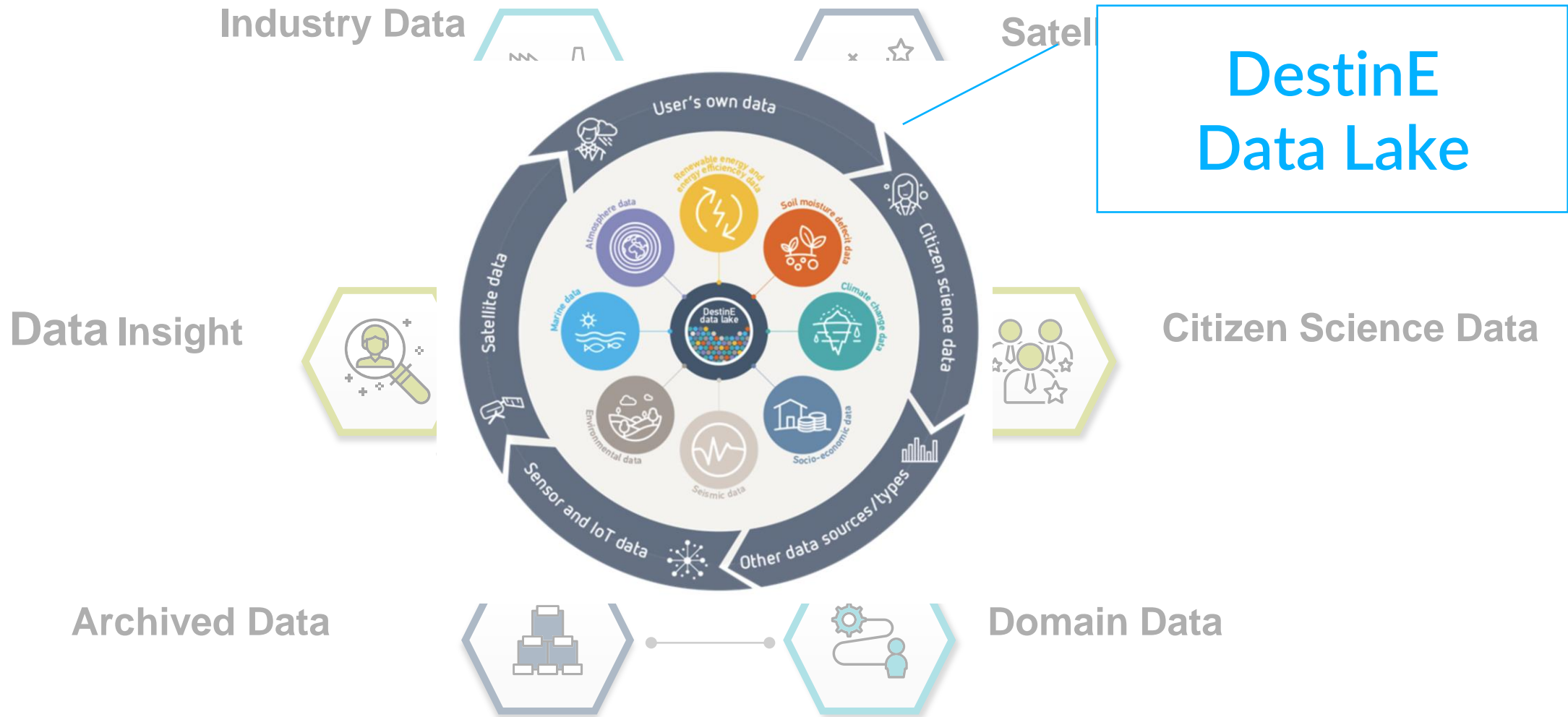
# Interoperability Layer Across Infrastructures



# Why not a Single Platform?

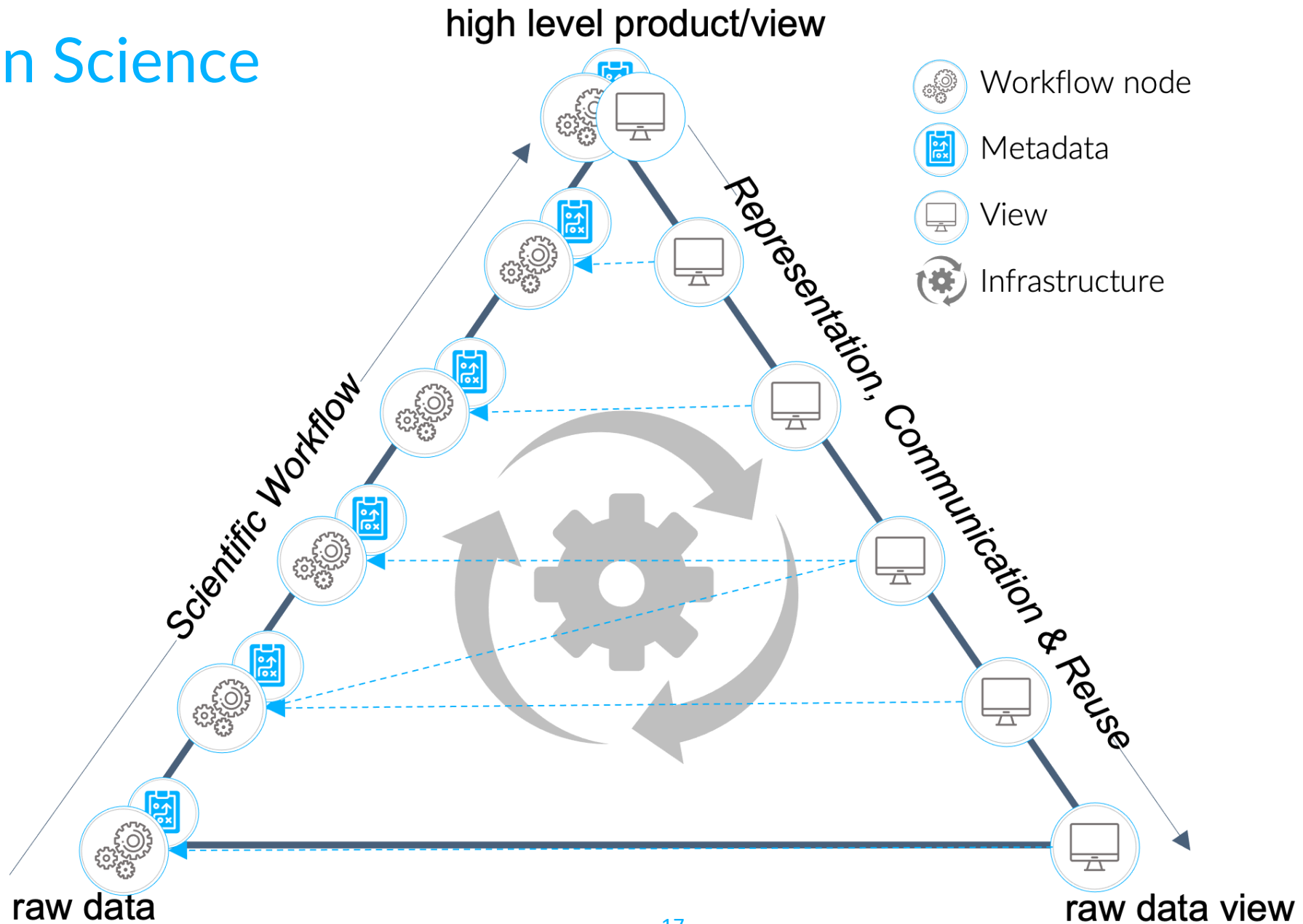


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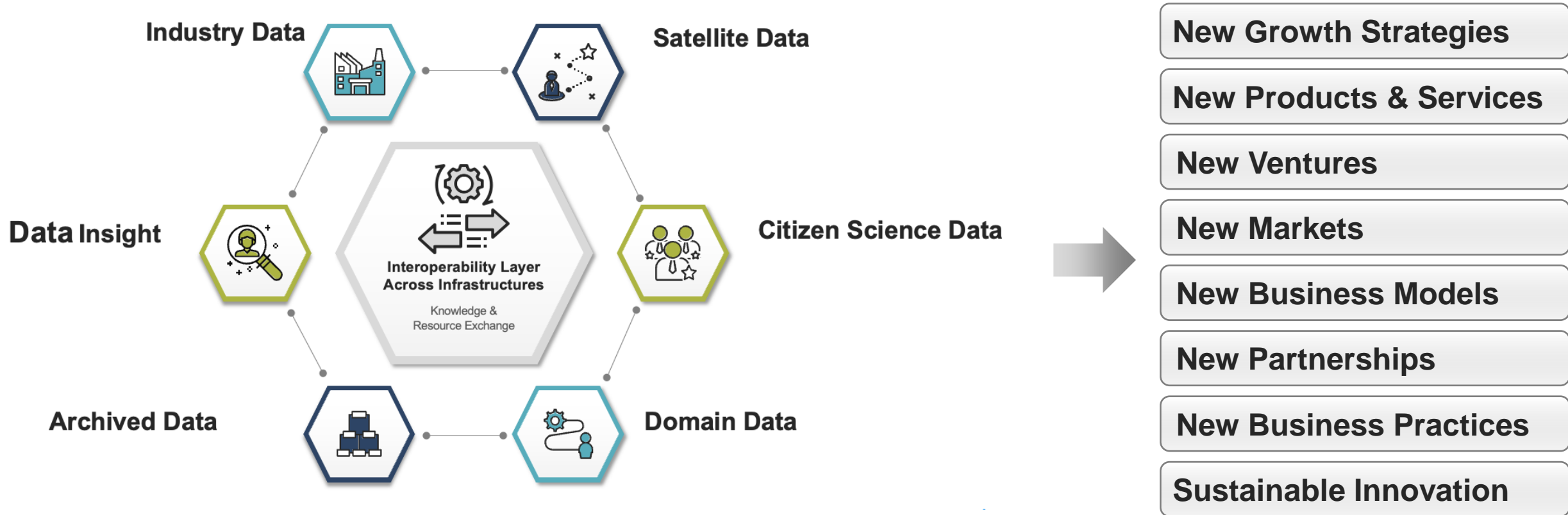




# Open Science



# Why not a Single Platform?



# Interoperability Layer: What are the Ingredients?

- Standardized APIs
- Implementations
- Registries?
- Exchange models
- Strong semantics
- Exposed modularity
- Legal clarity

# What are the Ingredients?

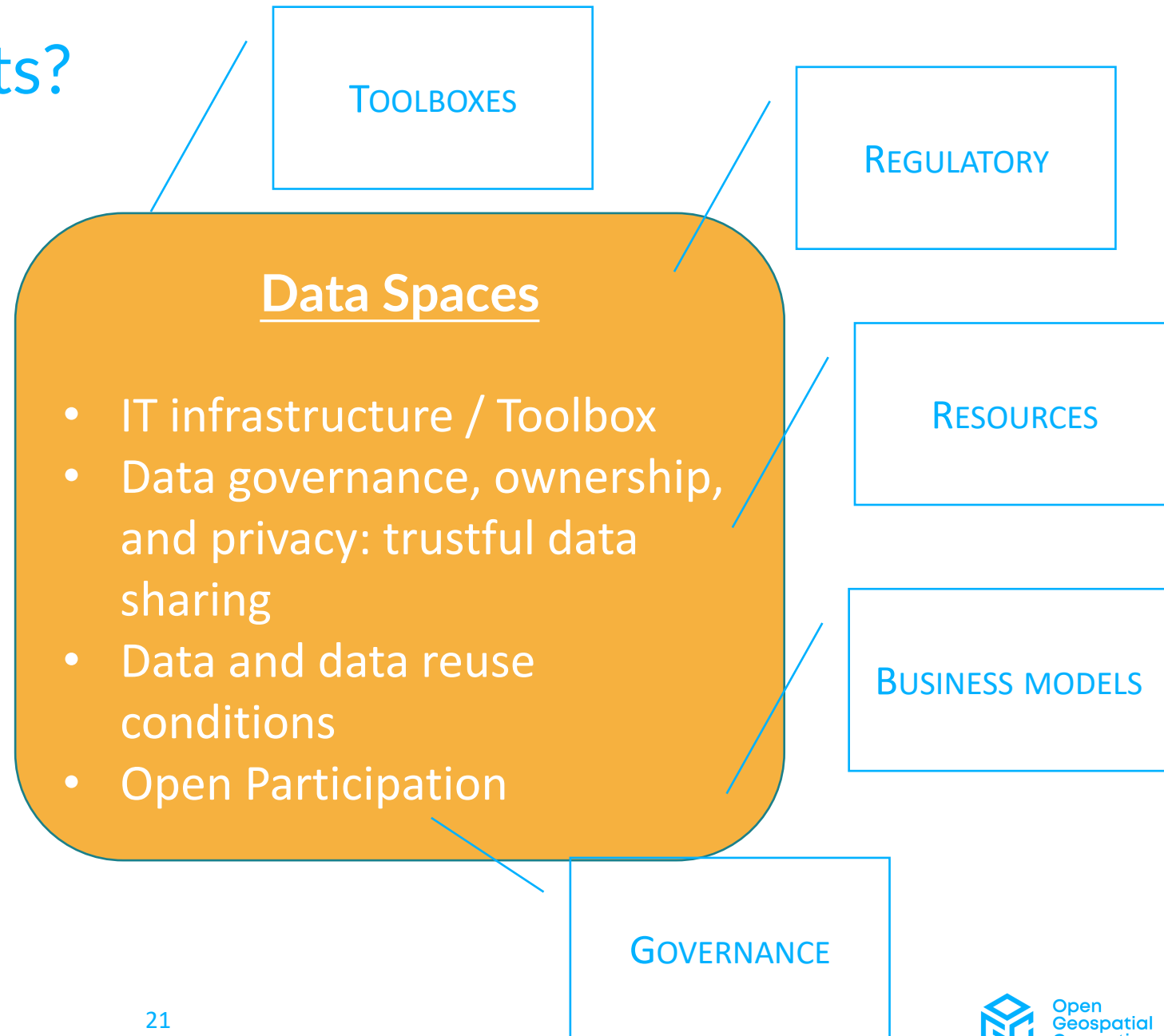
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## Data Spaces

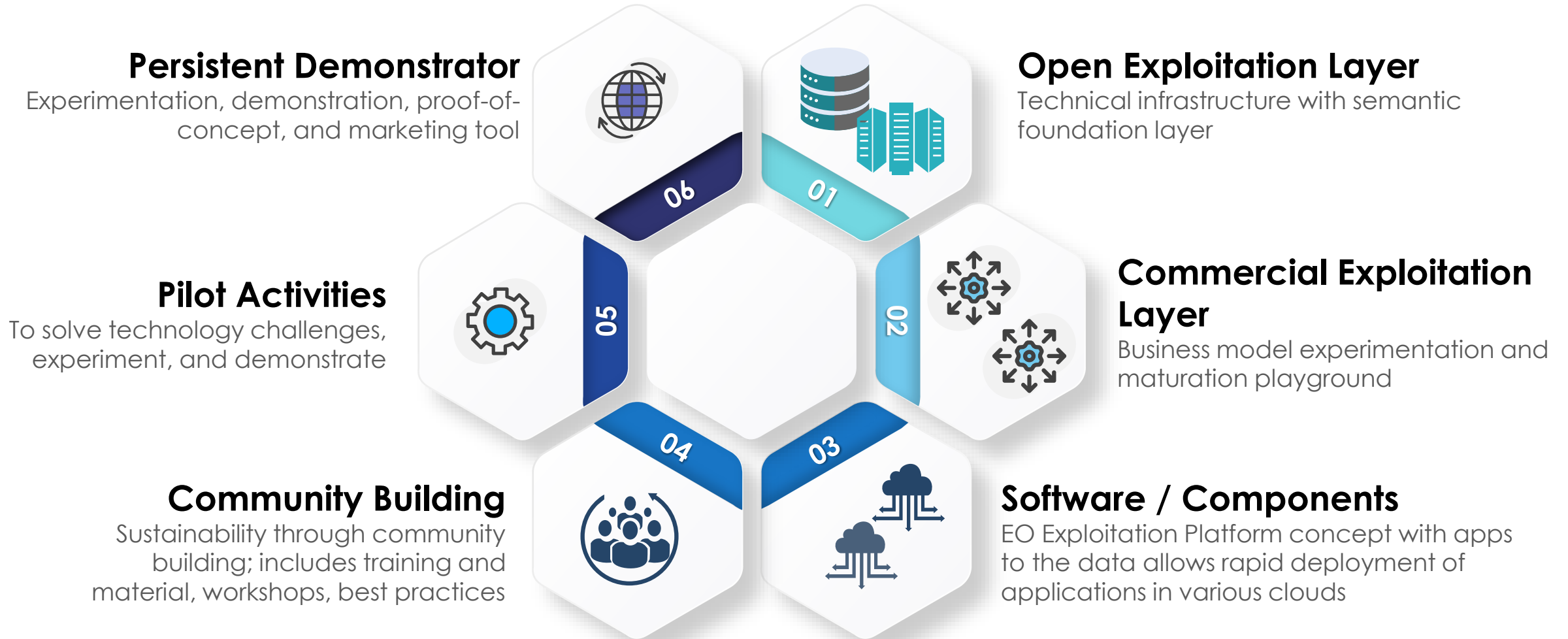
- IT infrastructure / Toolbox
- Data governance, ownership, and privacy: trustful data sharing
- Data and data reuse conditions
- Open Participation

# What are the Ingredients?

- Standardized APIs
- Implementations
- Registries?
- Exchange models
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# What is the Path?



# Thank You

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## Community

- 500+ International Members
- 110+ Member Meetings
- 60+ Alliance and Liaison partners
- 50+ Standards Working Groups
- 45+ Domain Working Groups
- 25+ Years of Not for Profit Work
- 10+ Regional and Country Forums

## Innovation

- 120+ Innovation Initiatives
- 380+ Technical reports
- Quarterly Tech Trends monitoring

## Standards

- 65+ Adopted Standards
- 300+ products with 1000+ certified implementations
- 1,700,000+ Operational Data Sets
- Using OGC Standards

