

Chetan Pradhan

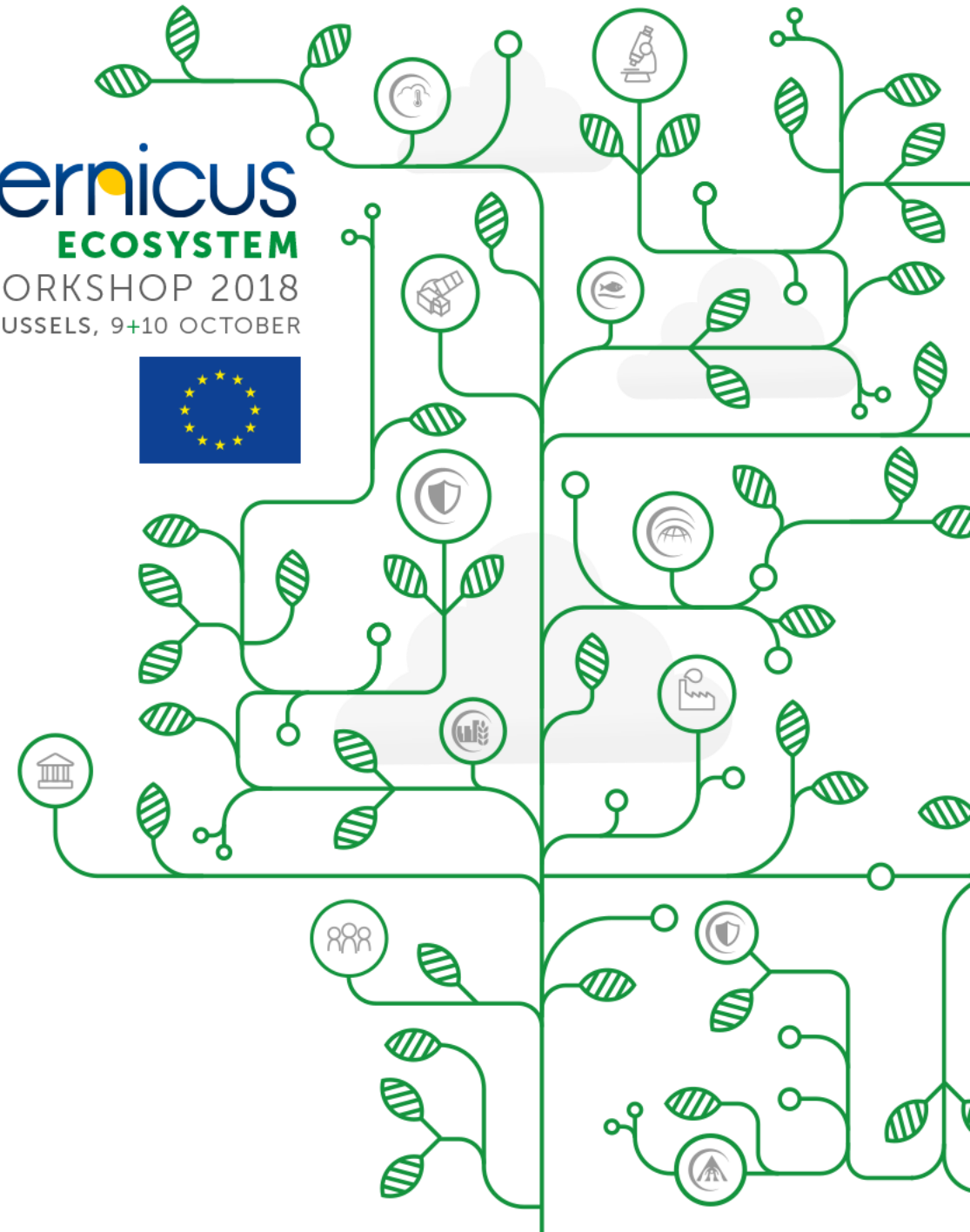
EARSC/Earth-i



European Association
of Remote Sensing
Companies

Strategic Perspective for the EO Services Industry

Chetan Pradhan – EARSC Chairman



The Industry role in realising Copernicus benefits

Sector trends

Future of the EO sector

EU Space Strategy

Growing together

Sector trends

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Data analytics

Crowdsourcing

IoT

Cloud computing

AI

Blockchain

(many) new sensors





Service oriented

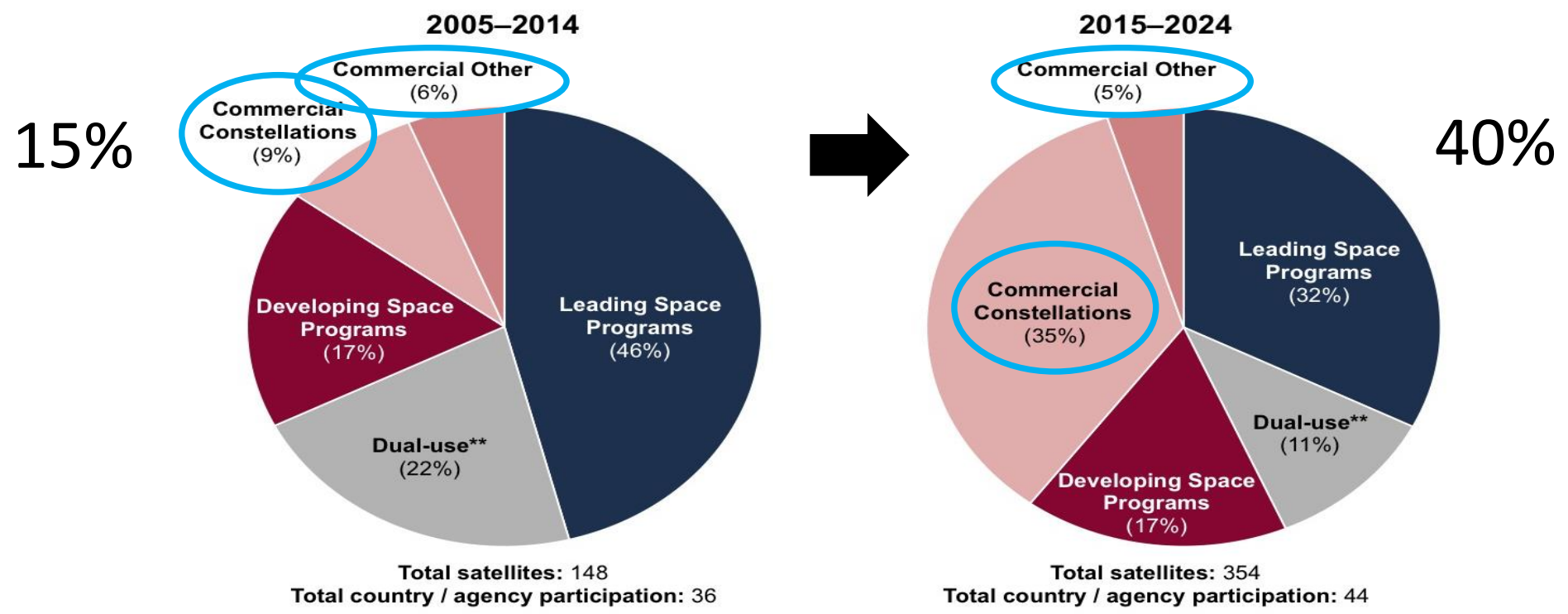
Integration of data sources

Reduced costs

Higher resolution/frequency

More, smaller satellites

Sector trends



* Meteorology satellites not included
** Including Chinese Yaogan program (2005-2014: 21 satellites, 2015-2024: 20 satellites)



Sector trends

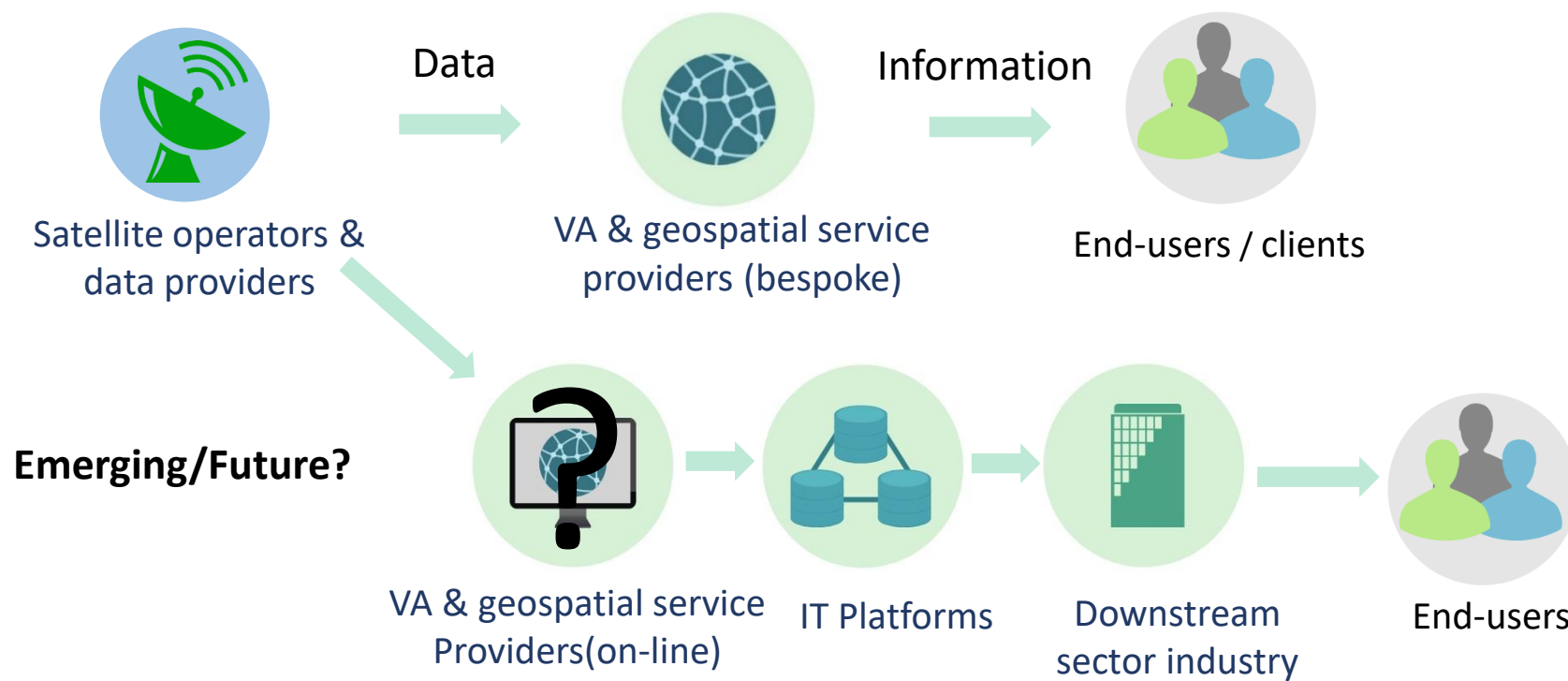
Market share of online services



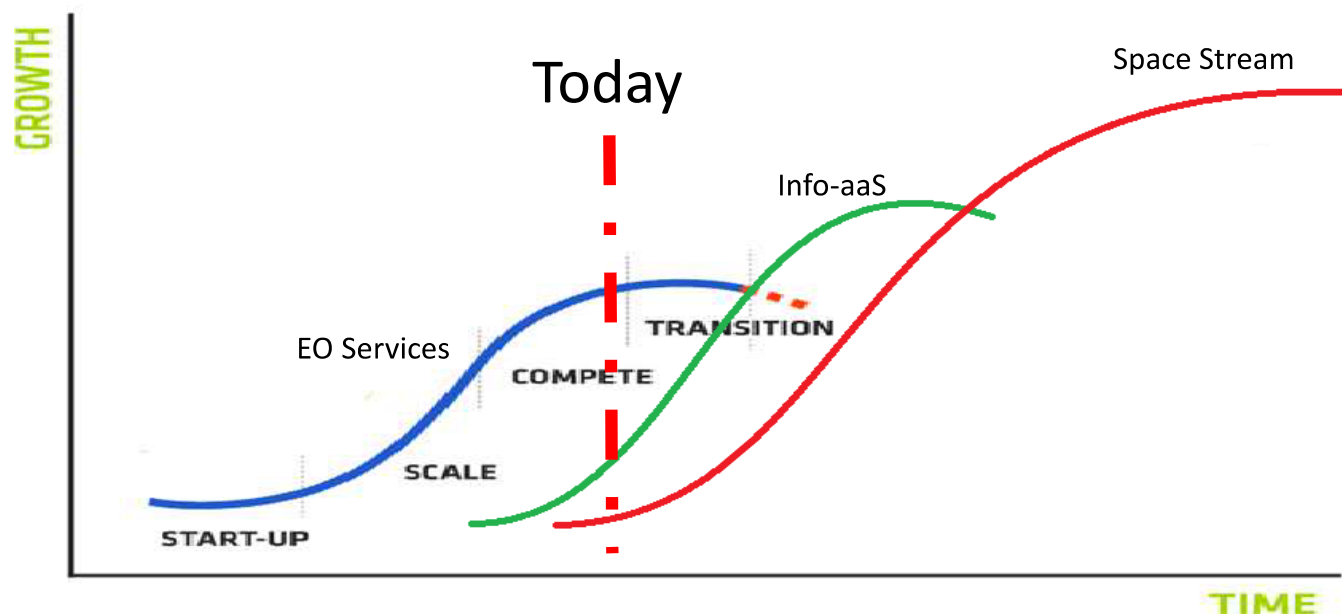
* EARSC Stakeholder Consultation for MAEOS Study



Future of the EO sector



Future of the EO sector



Traditional EO Service:

- High recurring costs
- Generic Coverage Information
- Low Automation
- High Geographic Dependence

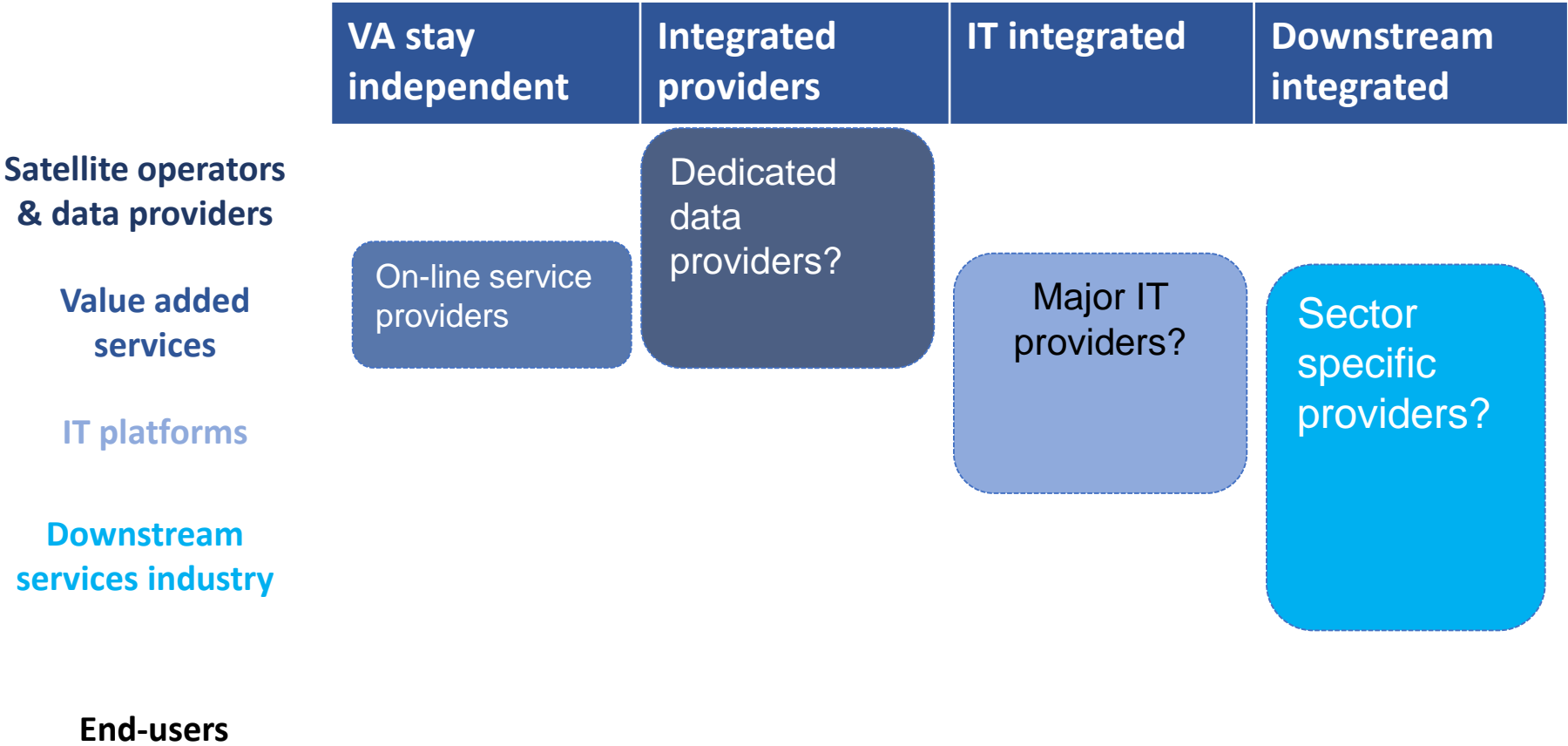
Info-aaS :

- Subscription Services
- Analytical Vertical Information
- Big Data Integration
- Globally Scalable (Auto) Services

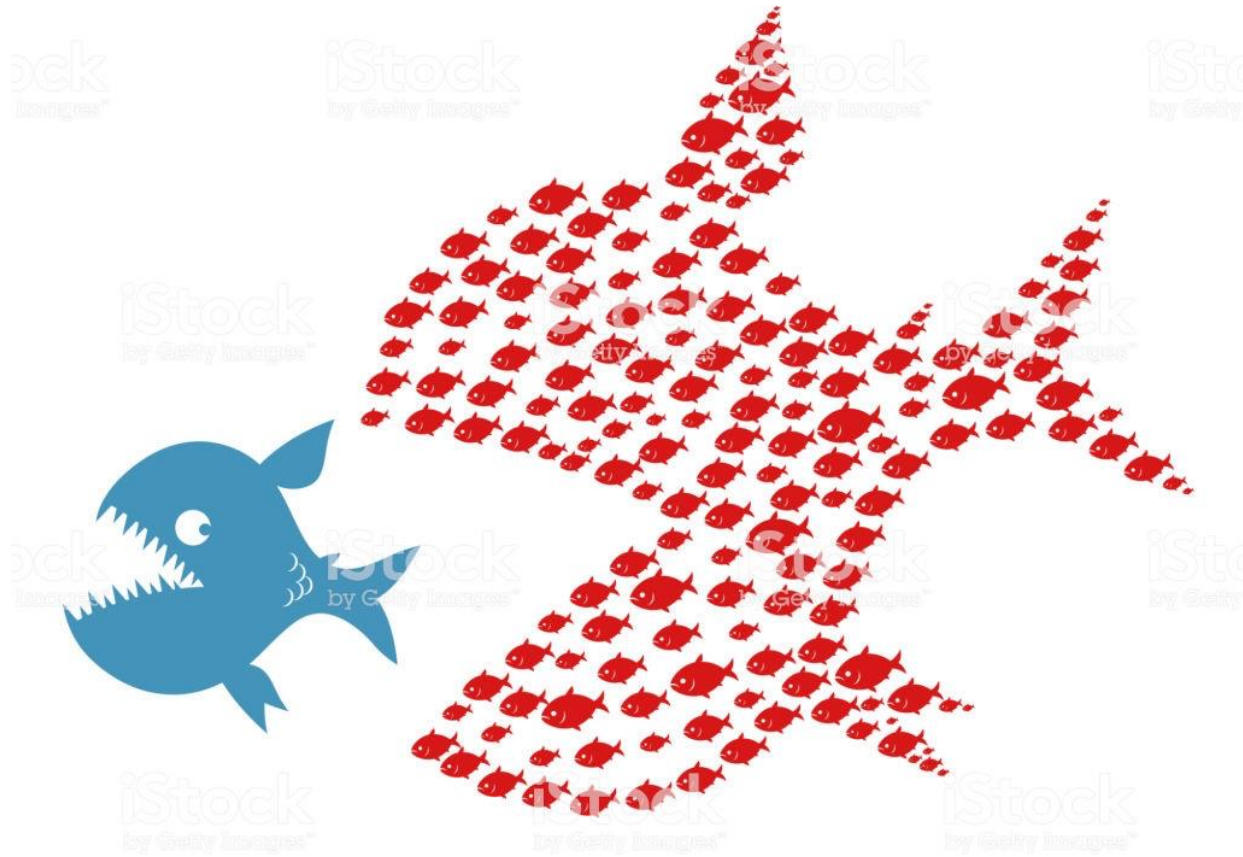
SpaceStream:

- Satellite-to-User services
- Synthetic Sensors (virtual sensors)
- In-Space processing of data
- Globally Scalable Services

Future of the EO sector



Future of the EO sector





EU space strategy

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Societal benefits

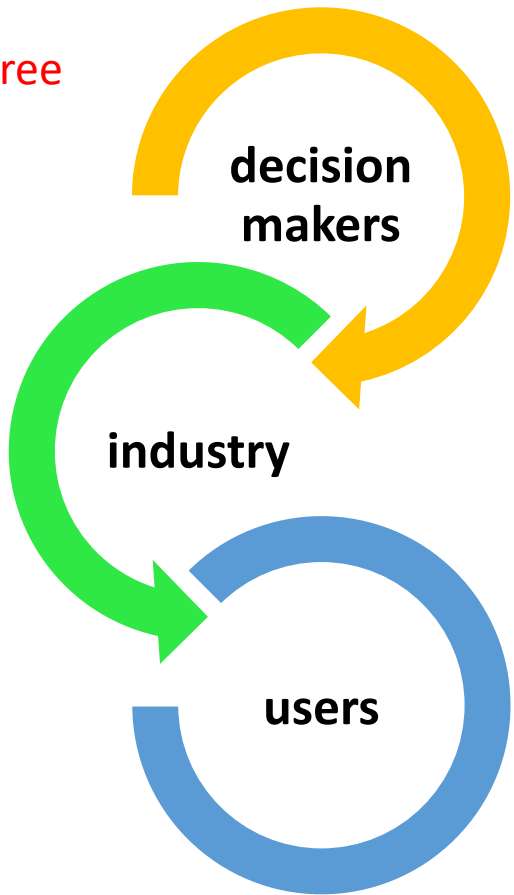
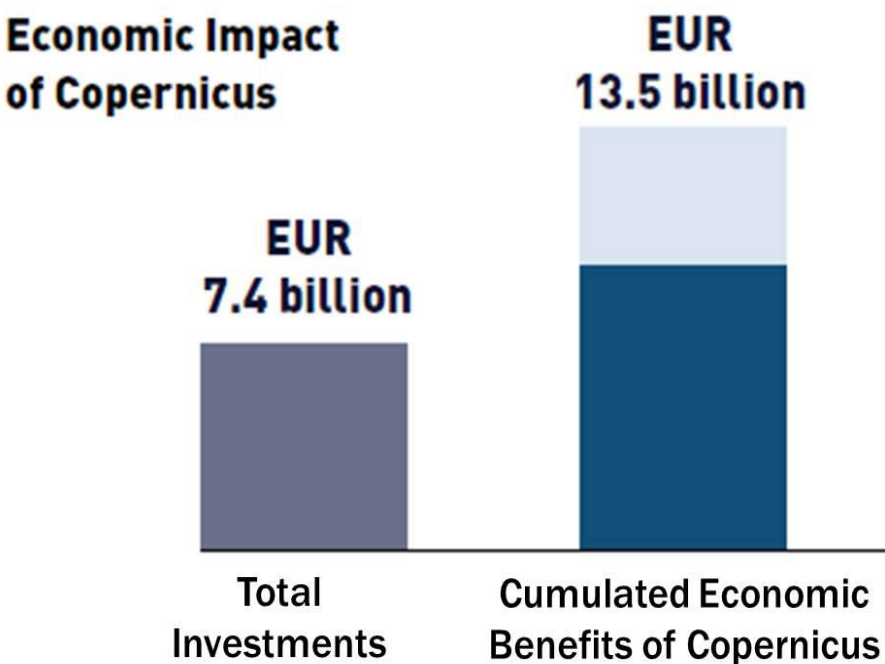
Competitive Europe

Autonomous Europe

International
cooperation

EU space strategy

!!Note animations. This slide starts with free and open data policy!!



full, free and open access to Copernicus data & information



Business confidence

Industry voice

Targeted procurement

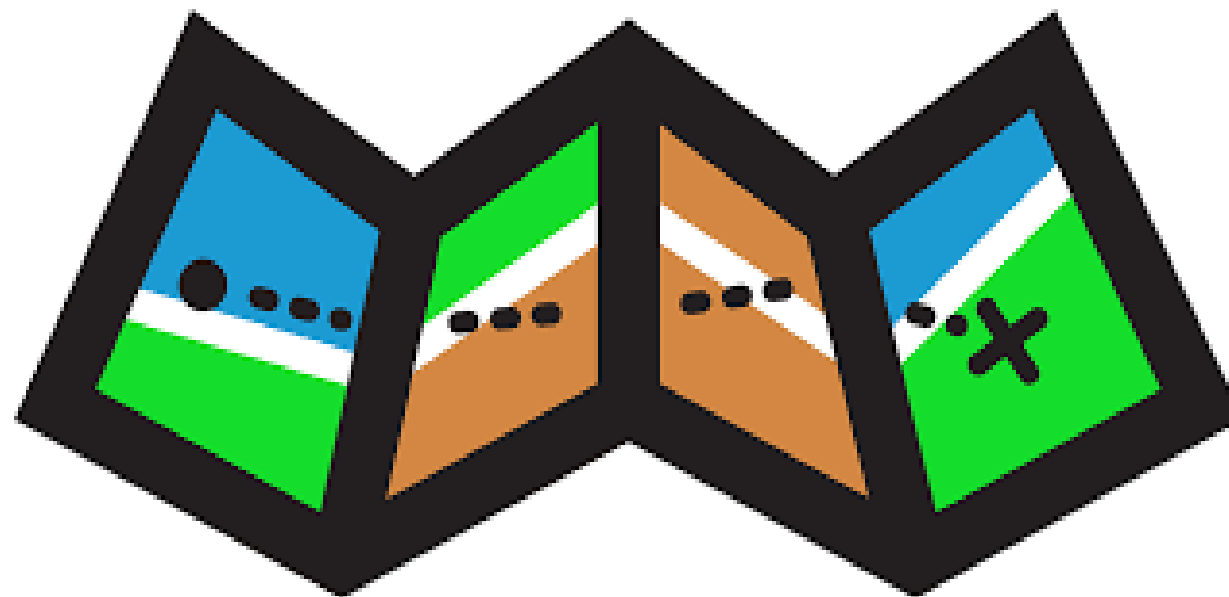
Research to exploitation



Stable, clearly defined roles

Understand the environment

Confidence to invest

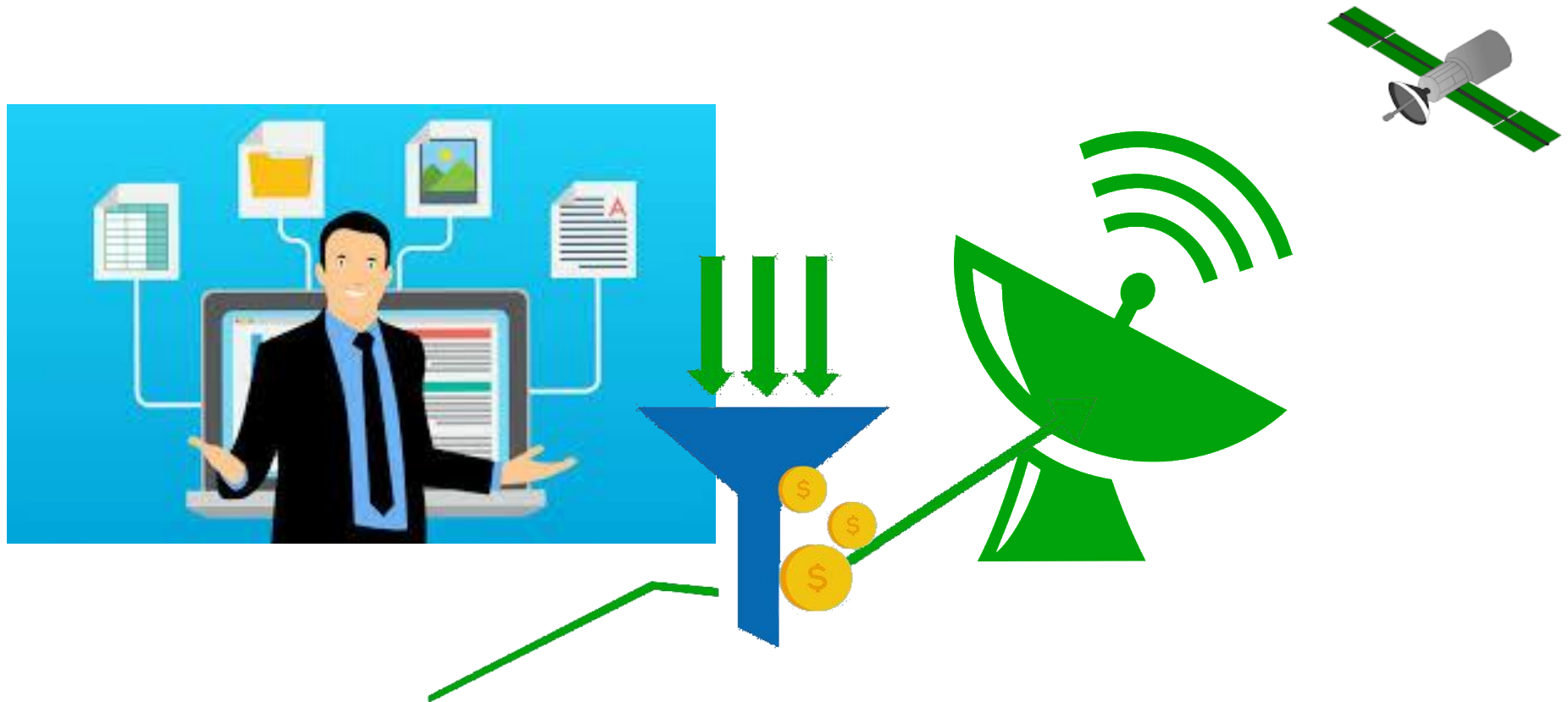




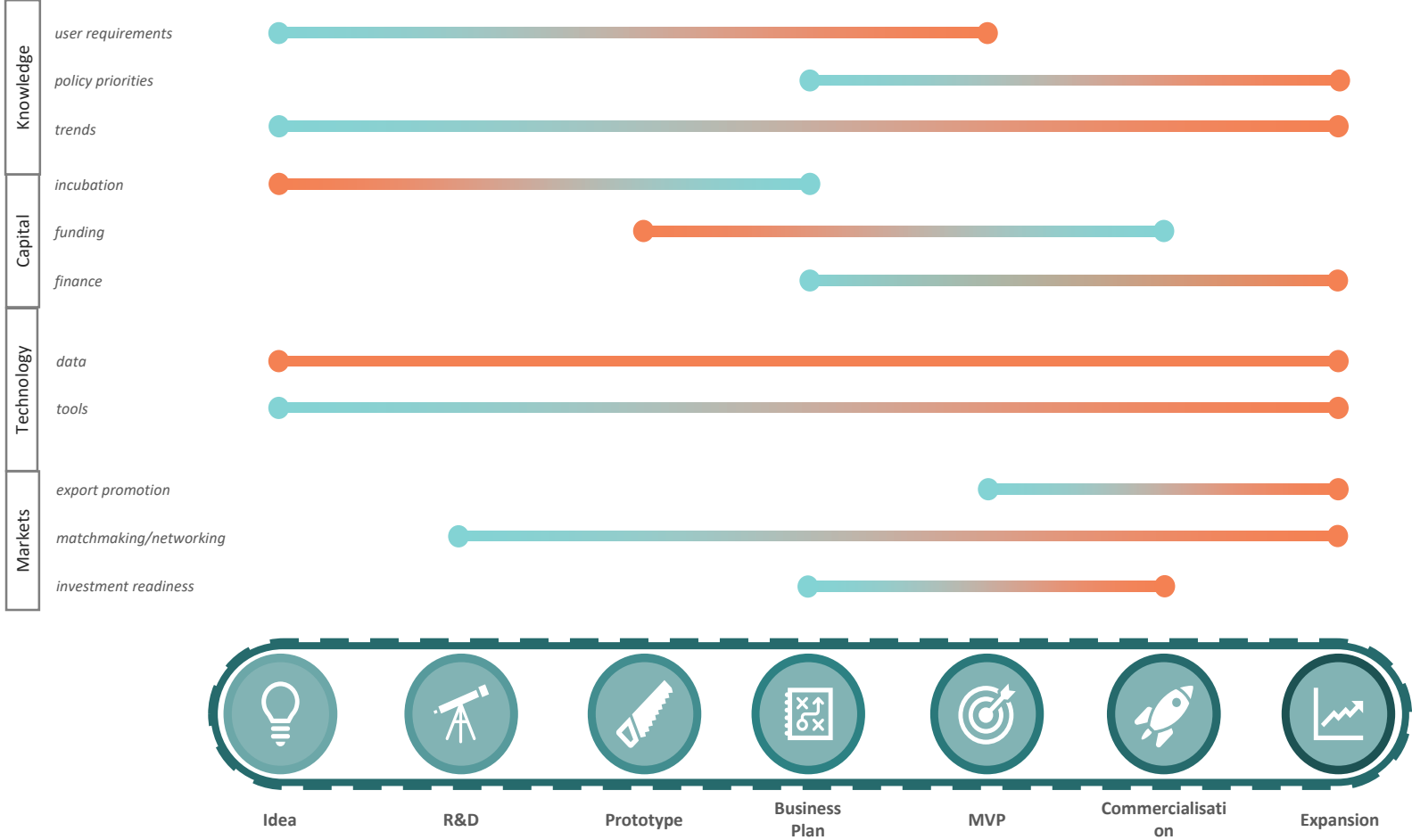
*A clearly defined mechanism
to include the industry
perspective in policy
decisions will enhance
cooperation and economic
outcomes*

Targeted procurement

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Research to exploitation



Thank you!



EARSC

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Copernicus
ECOSYSTEM
WORKSHOP 2018
BRUSSELS, 9+10 OCTOBER