EO contribution to the Compliance assurance

Emmanuel PAJOT, Secretary General



EARSC

European Association of Remote Sensing Companies

Representation

- Membership-based, non profit, Brussels-based, European organization which coordinates & **promotes the activities of European companies** engaged in delivering EO geo-information services

- Network of **134 EO companies** from **25 countries**

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eomag!

eo PAGES

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European Association of Remote Sensing Companies

Representation

134 members from **25** countries
covering the whole Earth Observation Value Chain



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Promote → **Develop** → **Support**

Copernicus workshop: Compliance assurance, 20th June 2024

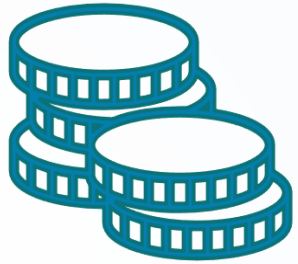
Industry Survey 2023



772
EO Companies
Up from 746 (+3.5%) year on year



13796
Employees
Up from 12085 (+14.2%) year on year



€ 1.79b
Revenues
Up from €1.6b (+10.9%) year on year



7.5%
Growth rate
CAGR over the last 5 years

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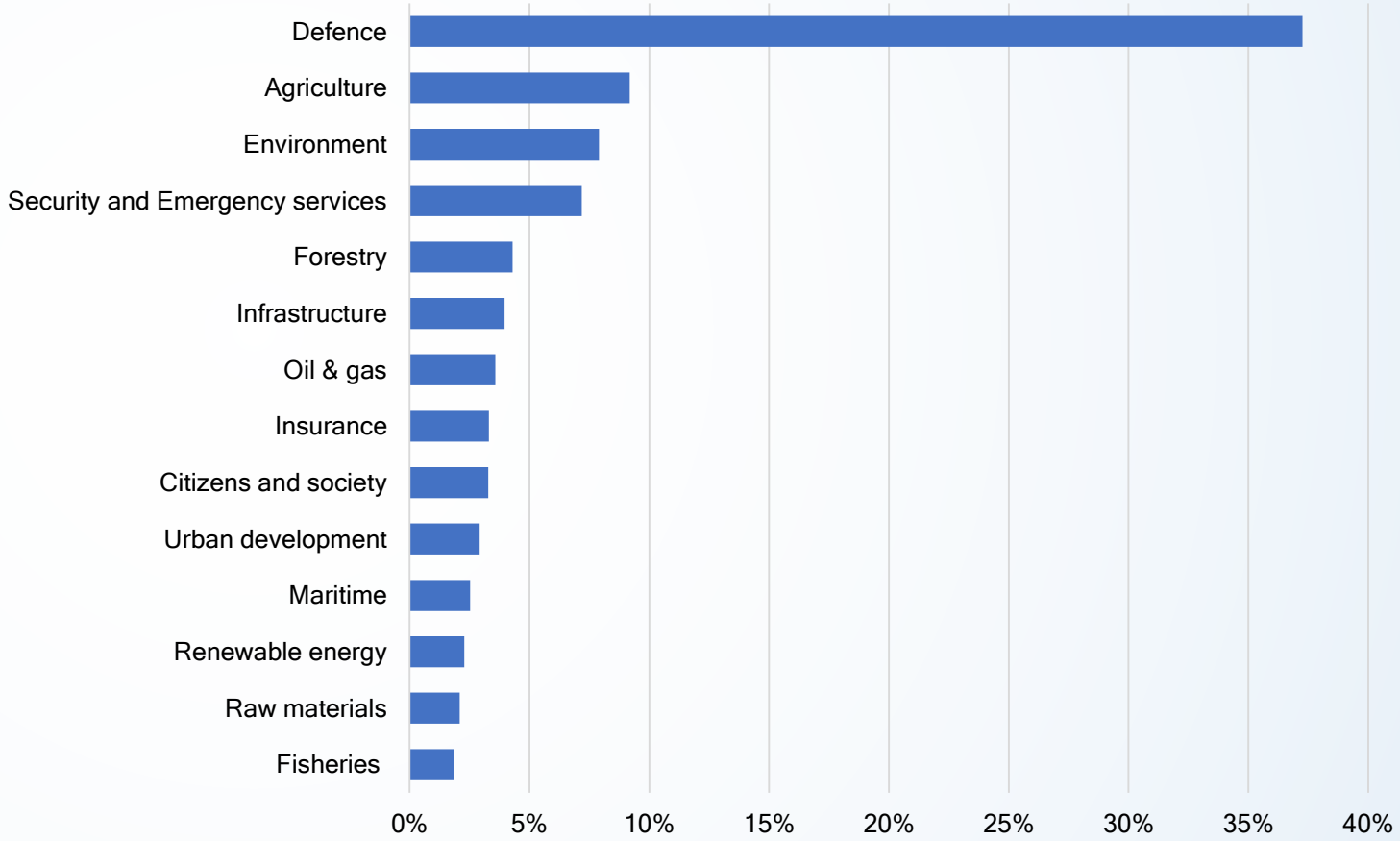
Industry Survey: Markets

Service provider

- All markets are growing in Volume
- Integration of non-EO components
- Integration of models

Customer

- Define EO as a suitable solution in “Green plans”
- Innovative procurement (DPS+; PCP)



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EO and Compliance assurance

EO can deliver detailed, reliable, and up-to-date information

across various domains to help

organizations, governments, and regulatory bodies

ensure that laws, regulations, and standards

are being followed

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Overview of gaps using EO reporting

Challenges	Opportunities
Difficulty on data access and discovery challenges	Establishing global platforms for sharing EO data
Limited internal capacity & training resources	Building a community of collaboration and coordination
Budgetary constraints for Capacity Development	Technological Progress for Analysis (big data, ML, AI)
Inadequate infrastructure and algorithm development challenges	Increasing Data Availability by enhancing spatial coverage, spectral, and temporal resolution of EO data
Lack of user-centered methods and guidelines for data utilisation	User-Centered Approach empowering users to effectively utilize EO data
Lack of harmonization of data processing methodologies	Integrating geospatial data into statistical & indicator frameworks
Unclear or restrictive data access policies	Establishing global platforms for sharing EO data
Risk of discontinuity of observations/programs	Ensure regular and repeatable Observation
Lack of integration of geospatial information into the data ecosystem	Building partnerships
Limited availability of disaggregated & multisectoral statistics	Leveraging EO resources for In-Situ Verification
Insufficient case studies and best practices	Establishing international collaborations and knowledge-sharing

EARSC Taxonomy: Market view

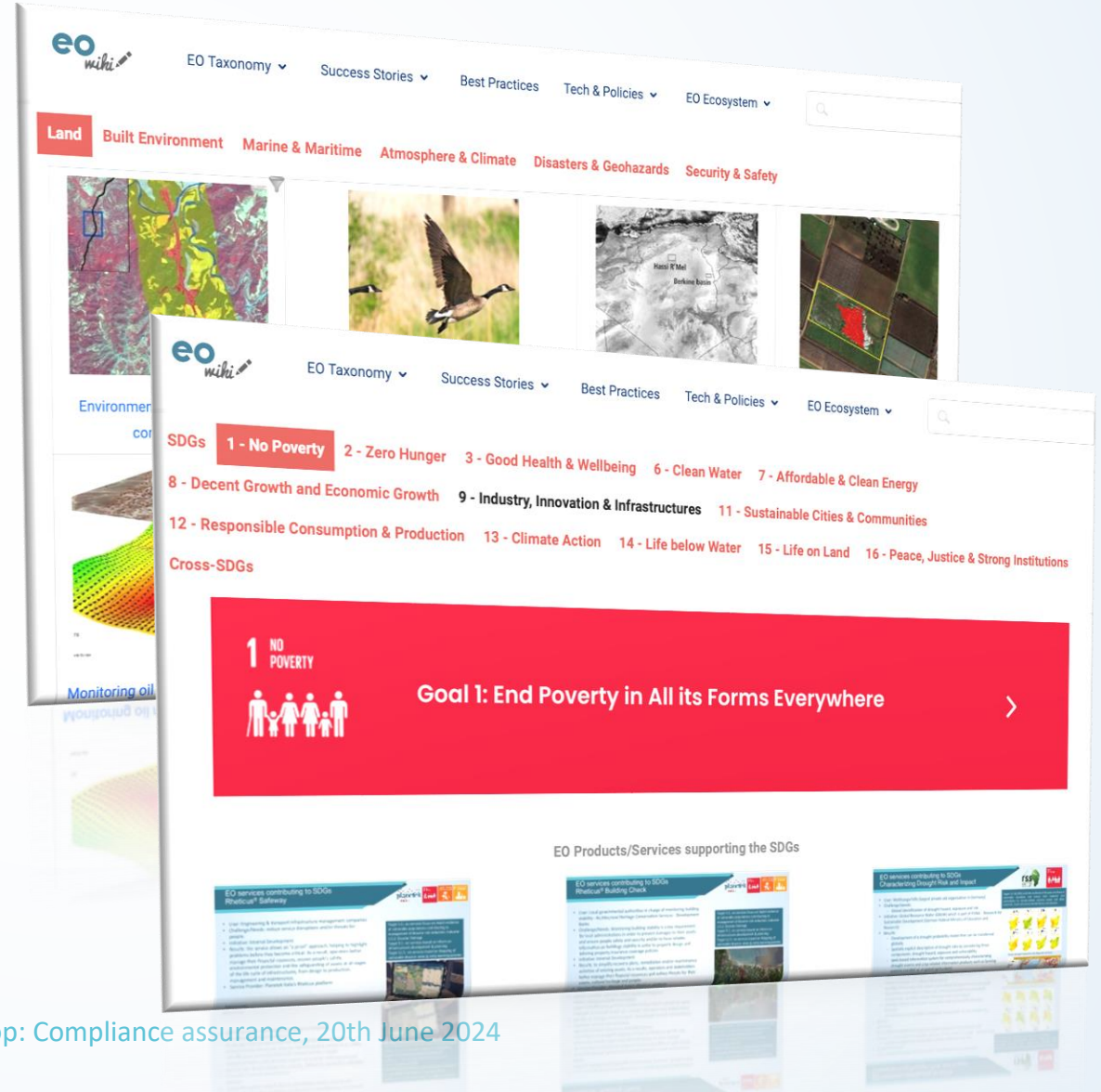


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eoWIKI: Success stories

Consolidated list of success stories with two approaches:

- EO in action (Market view)
- SDGs



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Collaboration with the EO industry

Availability > Accessibility > Awareness > Acceptance > Adoption

Data > Information > Knowledge > Decision > Impact

The European EO downstream Industry is an ally in increasing the capacity of users, public or private, to develop and implement green and digital transformation plans.

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Thank you!

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