

EO industry capabilities supporting the 2030 Agenda

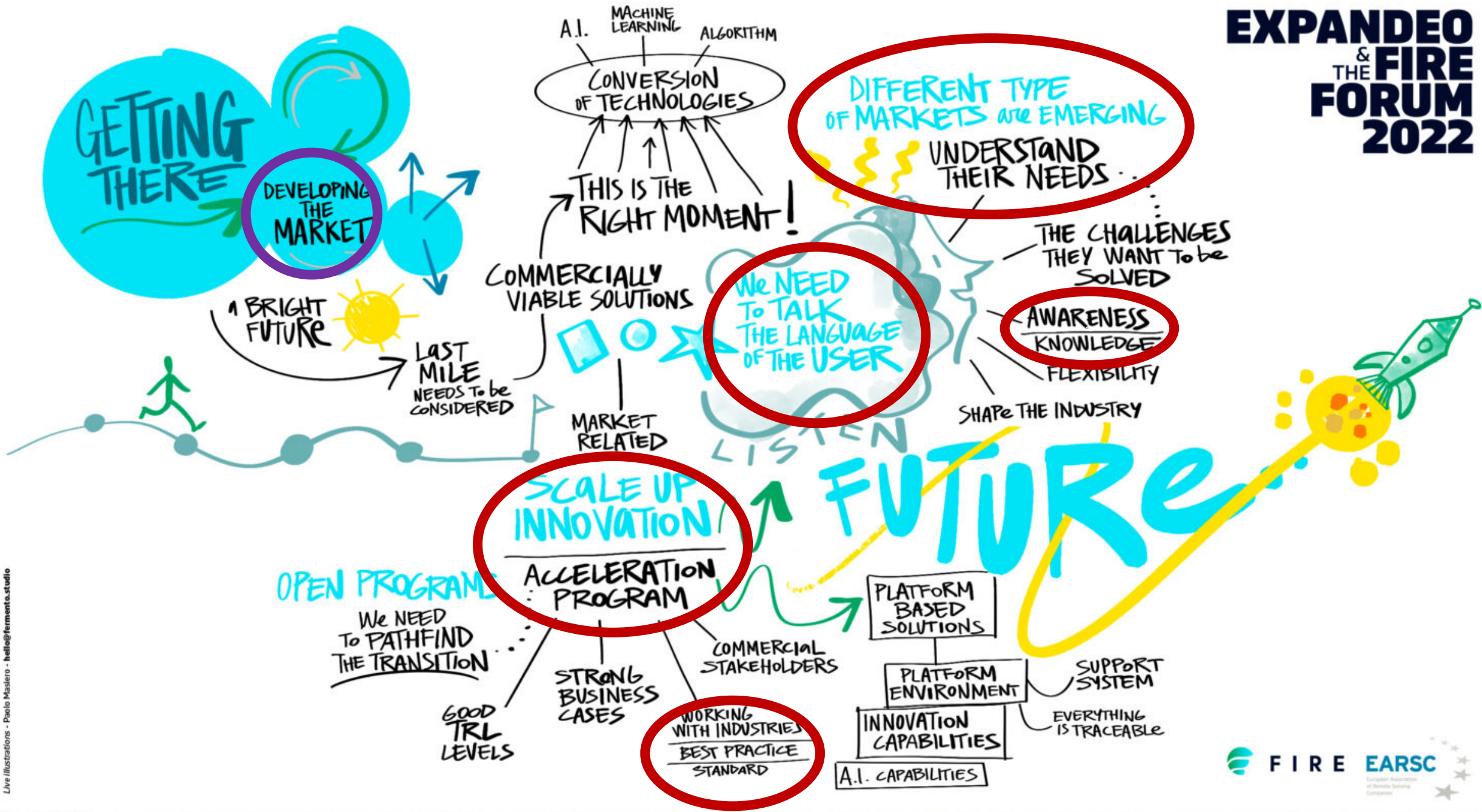
Leveraging the EO downstream services industry

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EARSC

European Association
of Remote Sensing
Companies





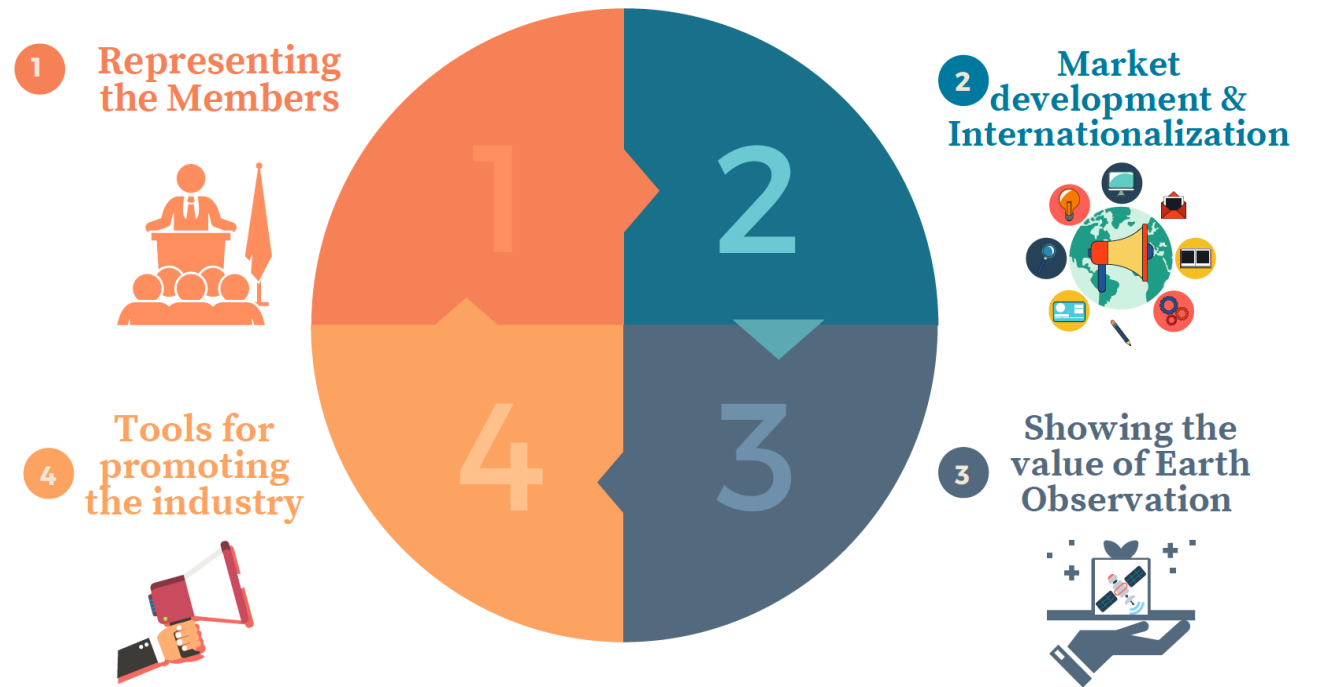
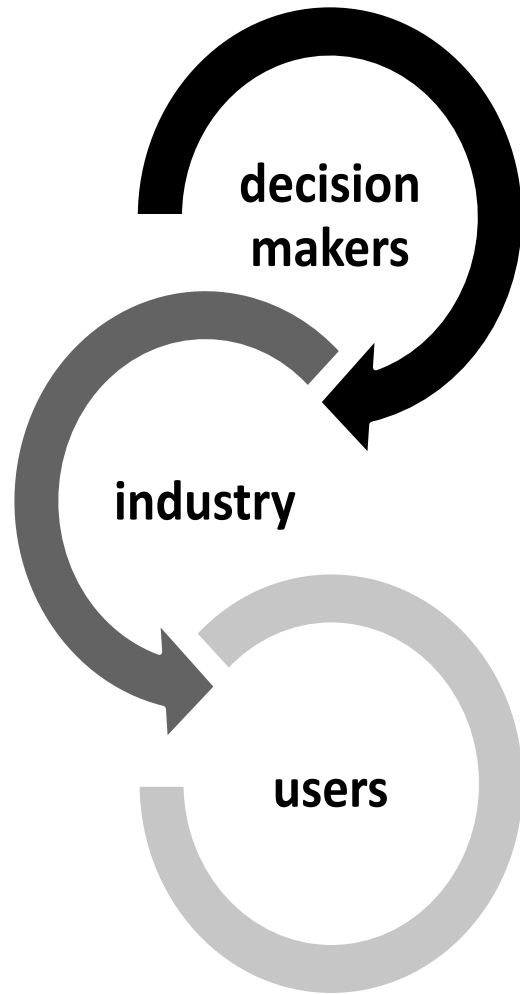
Representation

> 135 members from 25 countries
covering whole Earth Observation value chain



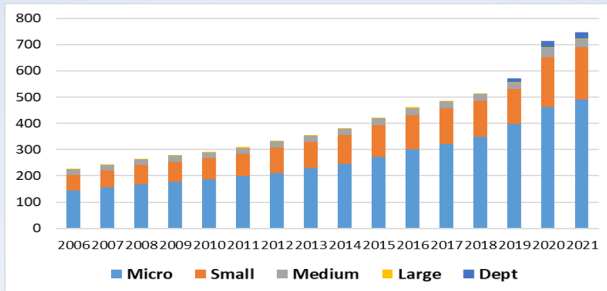
- Promote the EO service industry
- Help develop the market for these services
- Facilitate interaction between industry stakeholders

EARSC Activities

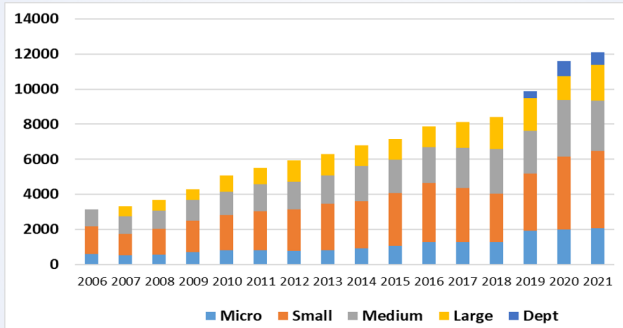


Context: Facts & Figures

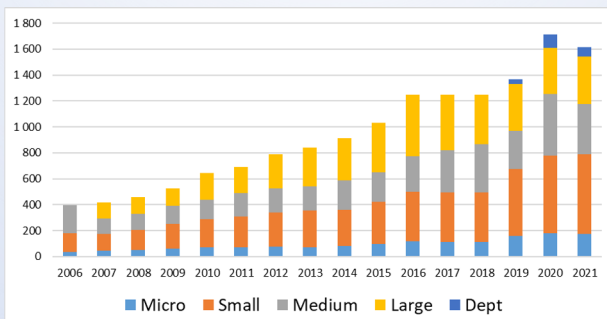
Evolution of EO service companies



EO employees by type of company



Business income



746 Companies



12085 Employees



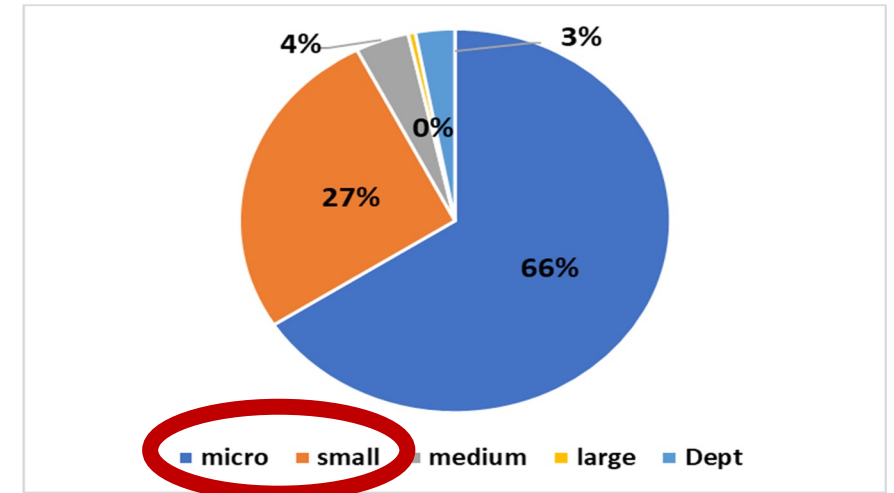
€1.61 b Revenues



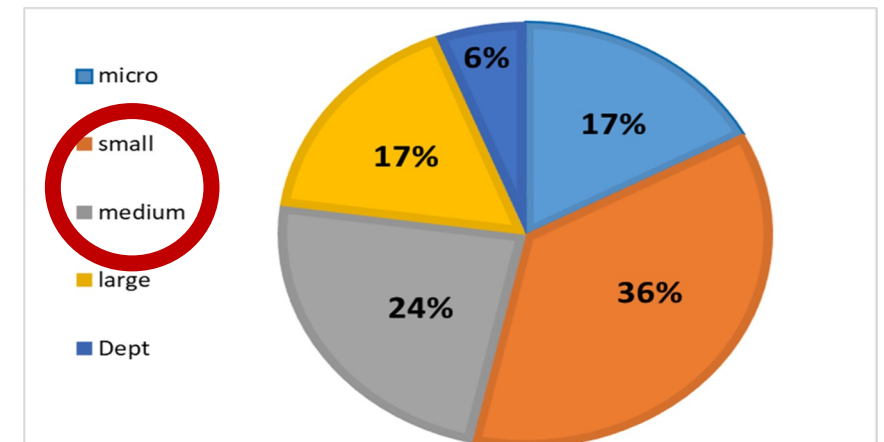
7,5% CAGR*

* CAGR over 5 year

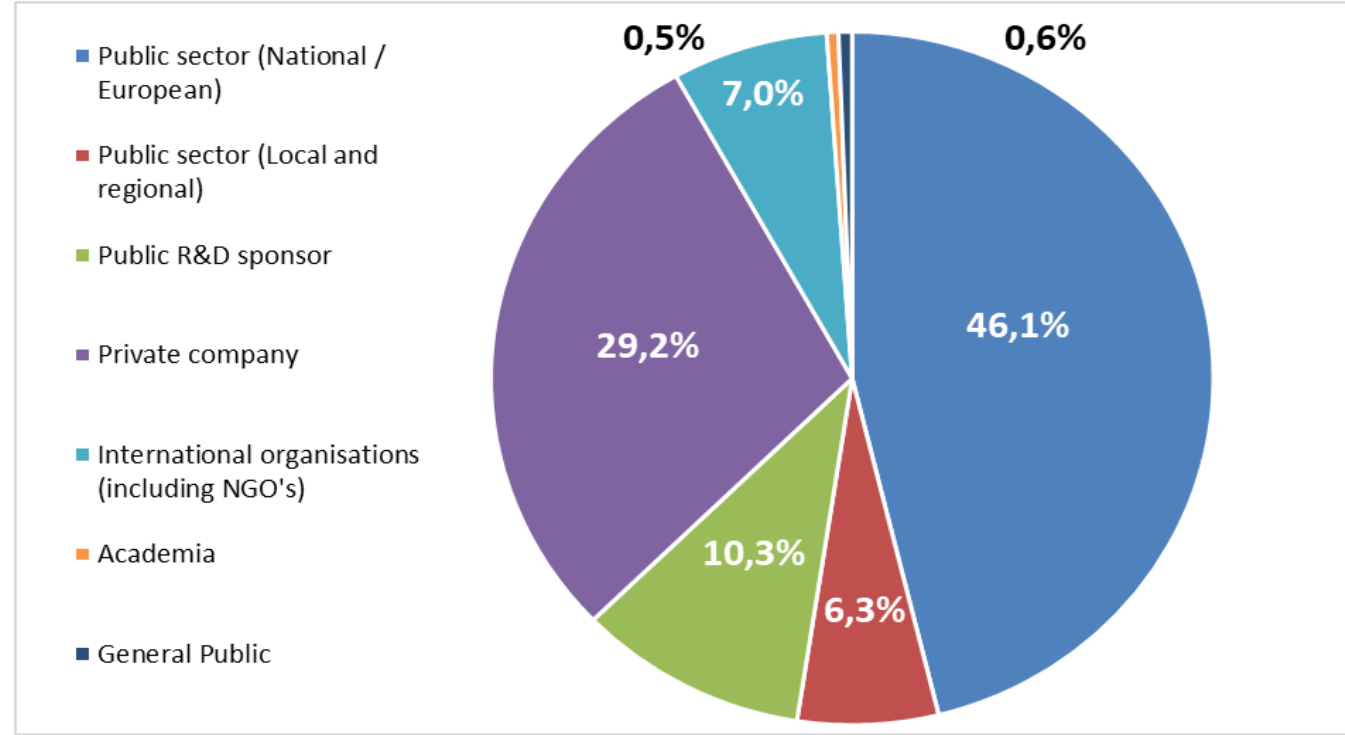
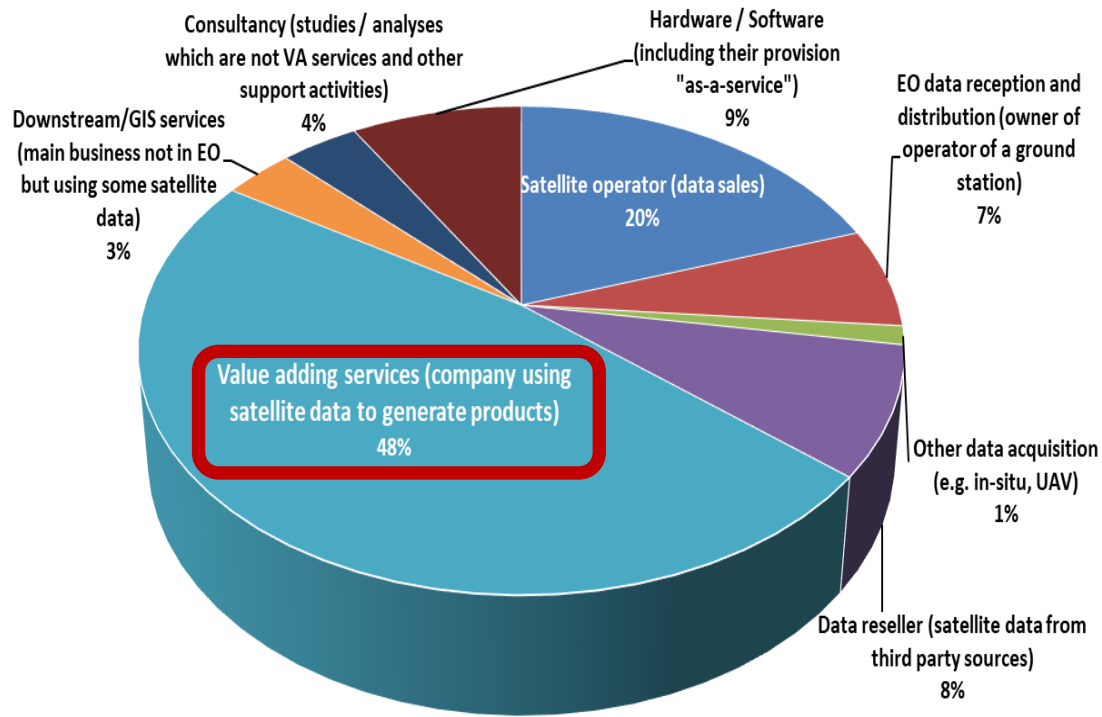
Breakdown of companies by company class in 2022



Employee breakdown by company class in 2022



Activities & Users



- ↑ companies using satellite data to generate products (from 26% to 48%)
- ↓ activities of satellite operators (from 14% to >20%)
- ↓ reception and distribution of EO data (from 21% to 7%)
- ↓ hardware / software activities (from 12% to 9%)

Increase in direct business with the public sector representing approx. 70% of industry revenue

Government as final user

GETTING THERE

HOW TO MAKE A CHOICE?
SELECT
DATA ↔ PURPOSE

LISTEN & UNDERSTAND
REDUCE COMPLEXITY
MAKE THINGS EASY FOR USERS
USER ENVIRONMENT

CREATE AN ENVIRONMENT FOR GROWTH
EDUCATION
ACADEMIC ↔ APPLIED TRAINING
SHIFT

IN EUROPE WE HAVE A LOT TO OFFER
SHARE EXPERIENCES

DEVELOPING THE NECESSARY CAPACITY AMONG DIFFERENT STAKEHOLDERS

be MORE CONCRETE
SKILLS DEVELOPMENT

TRAINING REQUIREMENTS
MARKET

TRANSITION

INVEST IN PEOPLE
BUILDING CAPACITY
SUPPORT

CONTINUOUS GATHERING INFORMATION
MONITORING
EVALUATING

NEW WAYS OF LEARNING - GAMING

NEW WAYS TO TRANSFER INFORMATION

NETWORK
INCLUSIVENESS
COMPANIES
TOOLS
ACADEMICS
INSTITUTIONS

ATTRACT
EUROPE IS ATTRACTIVE!

COLLABORATION

TRY TO SPEAK THE SAME LANGUAGE
MUTUAL UNDERSTANDING
ADDRESS THE PROBLEM TOGETHER

Statistical community challenges

Challenges	Advantages	Improvements
<ul style="list-style-type: none">• access to data• lack of technical expertise• capacity in NSOs in processing geospatial data• disaggregated• multisectoral statistics	<ul style="list-style-type: none">• Spatial, spectral and temporal resolution• Regular & Repeteable observations• Multi-annual time series of observations• Cost-effective to monitor remote areas	<ul style="list-style-type: none">• Better integrate EO data with National statistics• Improve capacity to analyse EO data• Increase use of cloud computing facility to analyse data (+AI+ML...etc)

SDGs Indicators and Pilots of the SDGs-EYES project



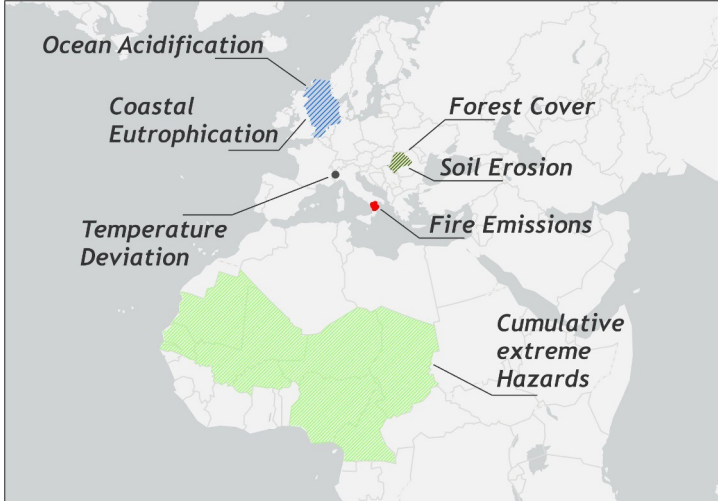
Indicator short name	SDG addressed	Euro stat code	Close UN indicator	Pilot area	Copernicus components
GHG emissions (from fires)	13 CLIMATE ACTION	13_10	13.2.2	1. Cosenza province (IT)	
Mean near surface temperature deviation (urban)		13_30	13.1.1	2. Turin (IT)	
Global mean ocean surface acidity	14 LIFE BELOW WATER	14_50	14.3.1	3. North Sea	
Marine waters affected by eutrophication		14_60	14.1.1		
Share of forest area (changes due to fires & logging)	15 LIFE ON LAND	15_10	15.1.1	4. Romania	
Estimated soil erosion by water		15_50	15.3.1		
Cumulative extreme Hazards		Cross-goals indicator		5. Sahelian countries	

3 years grant 2023-2025

10 partners

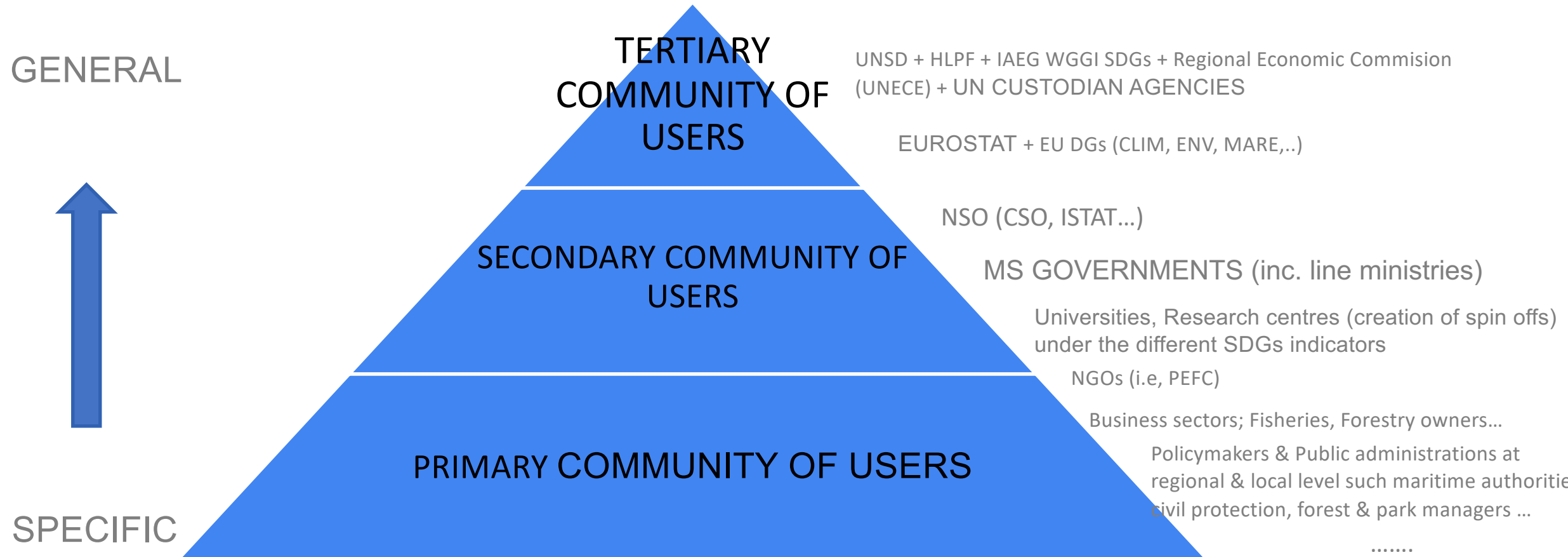
3 indicators - 5 pilots

Boosting the European capacity for monitoring the UN SDGs based on a Copernicus-driven approach by exploiting and integrating data, tools, and infrastructures.



How do we do this?

Community engagement: a bottom-up approach (* for the SDGsEYEs Project)





Thank you!

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[http:// sdgs-eyes.eu/](http://sdgs-eyes.eu/)