

Getting to know EAASI

Next step, high resolution Pan-European datasets”



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Secretary General

EAASI

24th November 2021

- Introducing EAASI
- Why high-resolution Pan-European Datasets

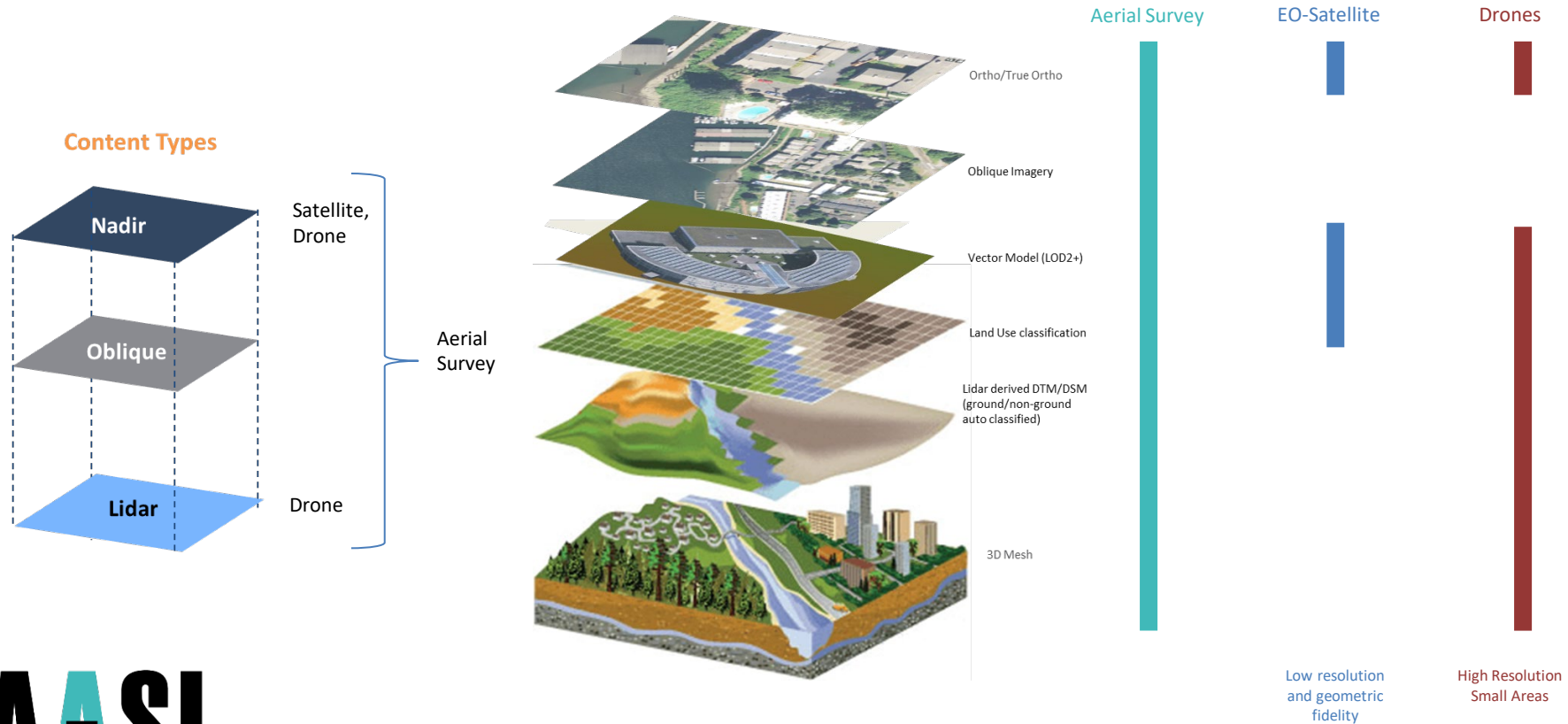
EAASI

- Was founded in summer 2019 by 7 of the top European Aerial Surveying companies
- EAASI is an association without profitable goal
- 48 companies have joined the association since it was founded
- Joining forces to create a more efficient, profitable and sustainable industry
- EAASI is home to every company involved in the generation of geodata from manned airborne platforms.



European Association of Aerial Surveying Industries

More than 80% of HR data for planning is created by Aerial Survey



Our Goals

- Achieve a high awareness in society of the **strategic role** that **aerial survey data** plays in the framework of the Geolocation, Digitalization, information systems and virtual reality
- Participate in National and European debates to contribute to the **evolution of certification and rules, standards and technical specifications** in the field of geospatial data.
- Ensure a **consistent Quality level of aerial surveying** services by **certification**
- Serve as a **counterpart for professional discussions** and **advise regional and international bodies**

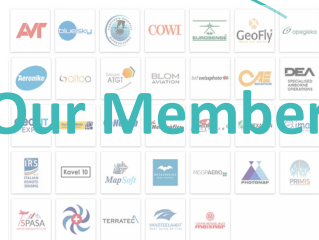
Our Members and Observers



- 32 Members
- 16 Observers
- 20 Nationalities
- > 4.000 Employees
- > 80 Aircrafts

Our Ecosystem

Our Members



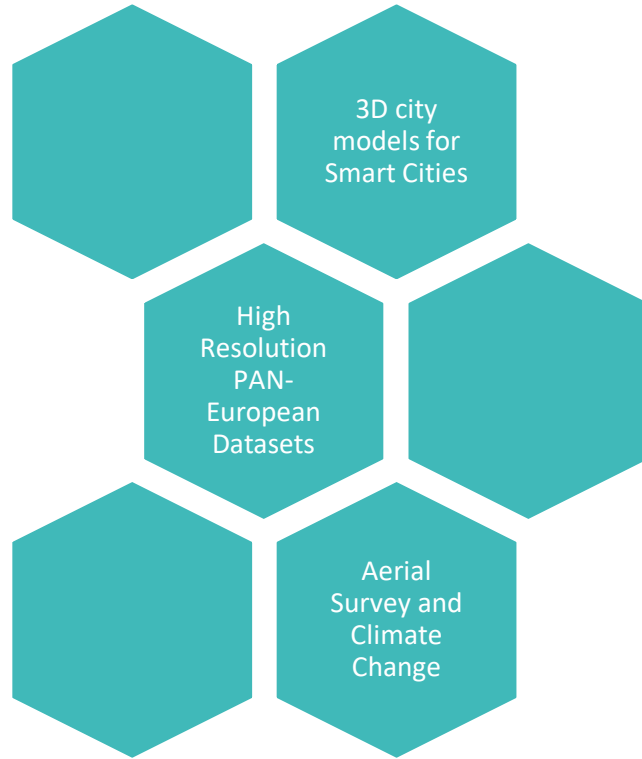
Our

Observers



European Association of Aerial Surveying Industries

EAASI – Main lines of work 2021-2022



- **Webinars** in coordination with International Universities
- Specialized Journal **articles**
- **Working groups** (Standardization, Certification..)
- Marketing and **social media**.

Why High Resolution Pan-European Datasets?

Why High-Resolution Pan-European Datasets?

- Accurate and updated geodata is a key factor for the correct implementation of sustainable and efficient policies
- Geospatial analysis and geolocation doesn't match with legal borders
- The use of homogeneous and standardized data guarantee accurate results of our analysis

Why High-Resolution Pan-European Datasets?

Great job is already being done by Eurogeographics and its Members

Coverage confirmed for the first release of open data:

- [EuroGlobalMap](#) 1:1 million scale open dataset - 55 countries and territories.
- [EuroRegionalMap](#) 1:250,000 scale open dataset – 38 countries and territories from 31 data providers
- [EuroDEM](#) Digital elevation model – 31 countries and territories from 26 data providers
- [Open Gazetteer](#) Pan European Open Gazetteer – 35 countries from 36 data providers
- [Pan-European Imagery](#) Remote sensing data of the European Union's Earth observation programme Copernicus (Sentinel-2, L1C-L2A) – Full coverage of geographical Europe

Why High Resolution Pan-European Datasets?

EURODEM dataset
as an example

Coverage



Image: Eurogeographics

Why High Resolution Pan-European Datasets?

What is the current status of High resolution (Lidar and photo) data availability in Europe?



Image: Eurogeographics

Why High Resolution Pan-European Datasets?

Will not be great to have a Pan-European dataset of high-resolution imagery (better than 30cm) and High precision DTM (at least 1 pt/sqm min)?



Image: Eurogeographics

We should learn from other initiatives/be part

- US 3D Elevation Program



- The Earth Archive



- Destination Earth initiative by



US 3D Elevation Program

Rank	Business Use	Annual Benefits	
		Conservative	Potential
1	Flood Risk Management	\$295M	\$502M
2	Infrastructure and Construction Management	\$206M	\$942M
3	Natural Resources Conservation	\$159M	\$335M
4	Agriculture and Precision Farming	\$122M	\$2,011M
5	Water Supply and Quality	\$85M	\$156M
6	Wildfire Management, Planning and Response	\$76M	\$159M
7	Geologic Resource Assessment and Hazard Mitigation	\$52M	\$1,067M
8	Forest Resources Management	\$44M	\$62M
9	River and Stream Resource Management	\$38M	\$87M
10	Aviation Navigation and Safety	\$35M	\$56M
:			
20	Land Navigation and Safety	\$0.2M	\$7,125M
Total for all Business Uses (1 – 27)		\$1.2B	\$13B

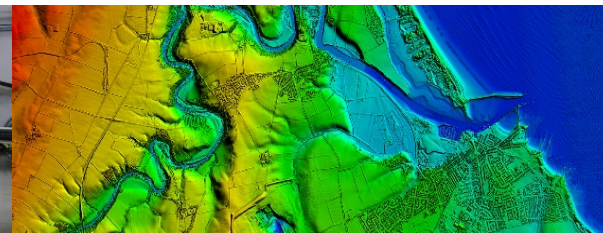
Source: USGS

How Can we support Eurogeographics

- **Knowledge and experiences Exchange**
- **Proposing and validating methodologies to create high accurate datasets**
- **Prototyping**
- **Standardizing**
- **Boosting initiatives that promote the access to data**

How Can Eurogeographics and its members support us?

- **Filling this form prepared by our Action Group 1:**
 - [National Land Cover Data Status; Lidar and Ortho](#)
- **Objectives of this questionnaire**
 - **Data homogeneity assessment**
 - **Market status research**
 - **European overview...**



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Thank You

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