Eurolithos: Ornamental Stone Resources in Europe

Lead Partner: NGU

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731166

GeoERA RAW MATERIALS

EUROLITHOS European Ornamental Stone Resources

Project Lead

GEOLOGICAL SURVEY OF NORWAY
- NGU -

WP Leads

LNEG

INSTITUTE OF GEOLOGY AND MINERAL EXPLORATION
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Partners

Regione Emilia-Romagna

ISPRA
Istituto Superiore per la Protezione e la Ricerca Ambientale

Geological Survey
Suirbhéireacht Gheolaíochta
Ireland | Éireann

GeoZS
Geološki zavod Slovenije

SGU
Sveriges geologiska undersökning
Geological Survey of Sweden

CYPRUS GEOLOGICAL SURVEY 1950

SGL
Service Géologique du Luxembourg

Instituto Geológico y Minero de España

GBA

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Ornamental stone industry in Europe

- 8,5 billion Euro in 2010
- High proportion of SME's, backbone industry in many rural areas
- Strongly linked to European architectural heritage and cultural landscapes

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Challenges

- Increasing replacement of traditional stone materials with «cheapest on the market»
- Deterioration of stone industri SME's based on regional markets and traditions
- Reduction of cultural heritage values
- Increasing environmental footprints from ornamental stone production and transport

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EuroLithos concept

Creating awareness and knowledge of

- The diversity of European ornamental stone resources WHERE they are)
- Their importance to our landscapes and architecture (WHERE and WHEN they are used)
- Acknowledging their role in European landscapes and cityscapes (WHAT they are for us)
- The cultural and environmental significance of «short-travelled» stone resources

Will contribute to a better competitive regime for European SME's

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WP3 Atlas of European Ornamental Stones

Establish the framework and develop a first edition of an Atlas of European Ornamental Stones

- Geology: available resources, prospective areas, quarrying sites
- Uses: distribution and impact of stone resources in architecture
- Directory of quarrying districts and sites

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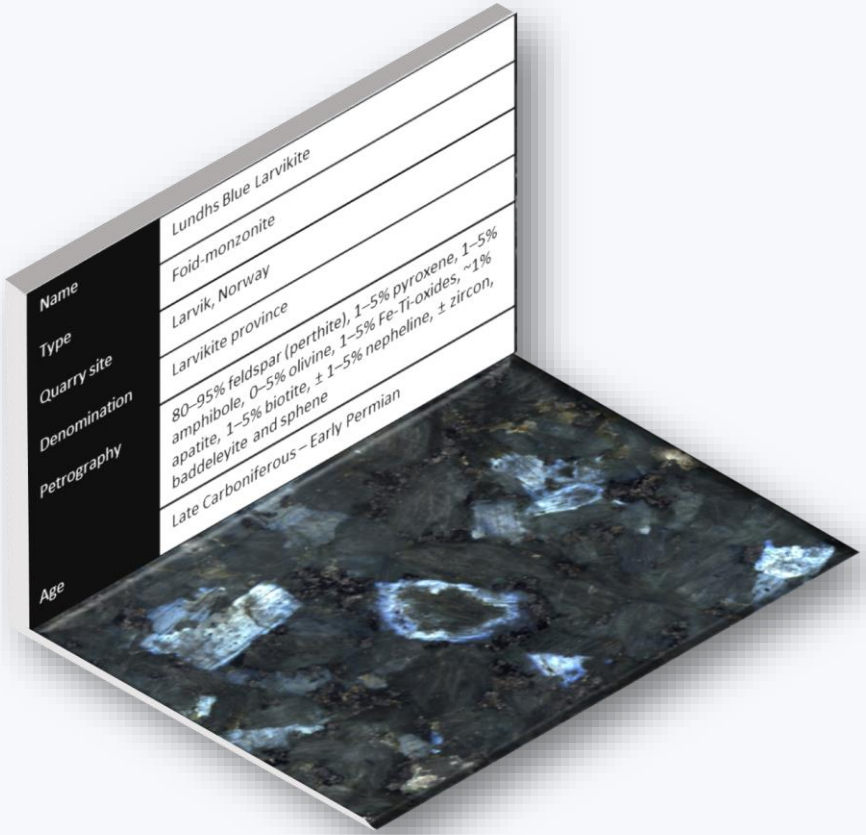
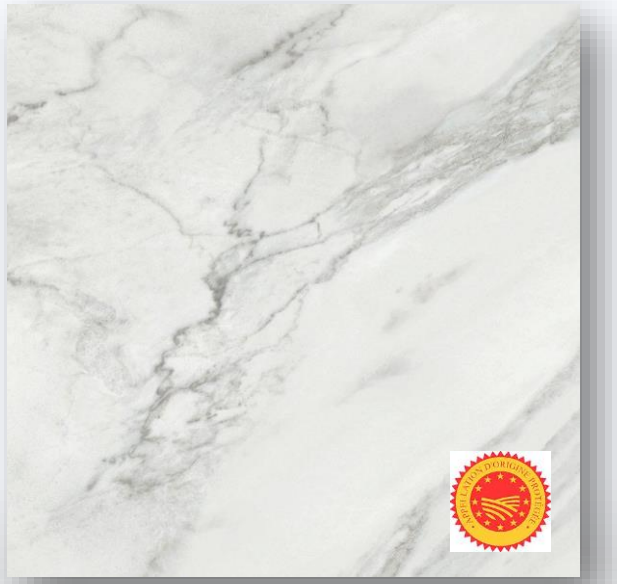
WP4 Directory of Ornamental Stone Properties



European “identity card” for ornamental stone:

- Their composition, physical properties and “performance in use”
- Their origin
- Technical characterization



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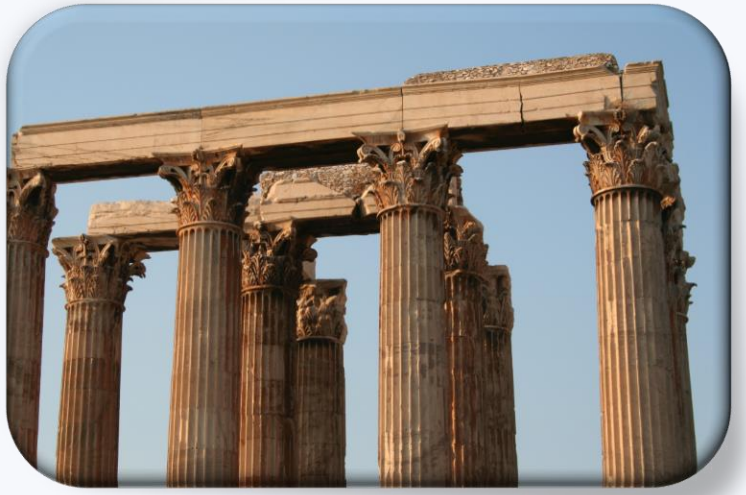
WP5 Ornamental Stone Heritage



Case studies and guidelines:

- Assessing values of stone types, quarries and quarry landscapes
- Stone resources and built heritage
- Stone and intangible heritage (crafts)

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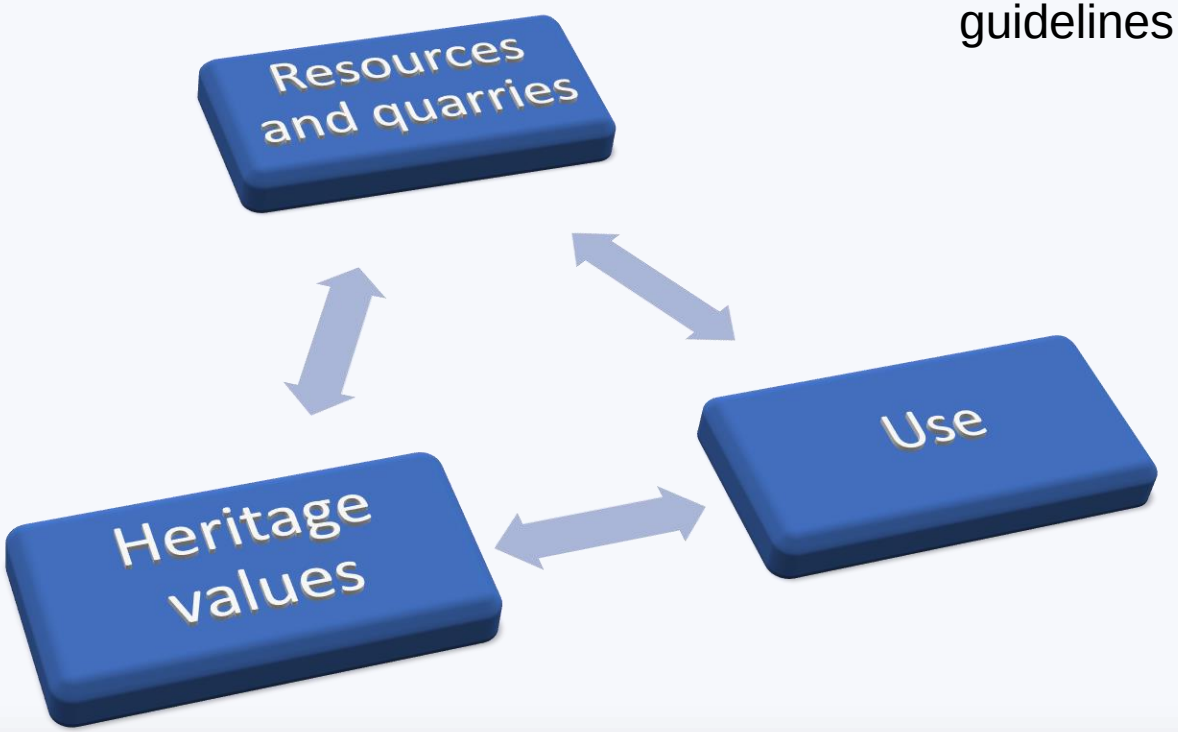
WP6 web and data services

Map services resources, quarries, unique stone types, guidelines and use



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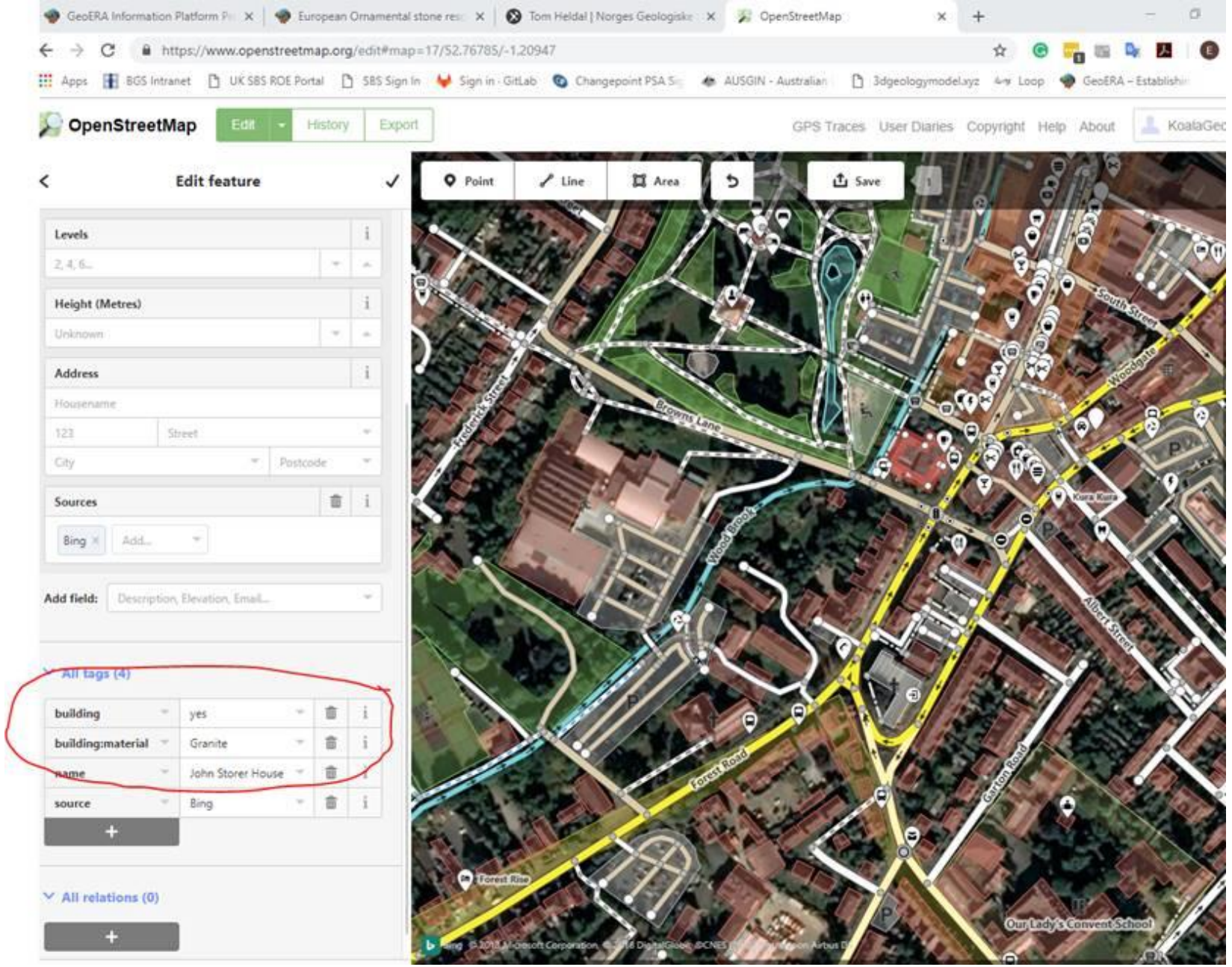

OpenStreetMap
Kan vi bruke som database for bruk av stein?

Kan vi lage et dynamisk system som vokser og lever lenge etter prosjektet er slutt?

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EUROLITHOS European Ornamental Stone Resources

www.europe-geology.eu

EGDI

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Search the site using the search bar or search for even more data sets using the MICKA metadata catalogue.

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Interactive map examples

Mineral Resources

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WP2 Dissemination and communication

Broad and diverse group of stakeholders. Particular focus on the following:

- Stone industry (through European and national federations)
- Architects (through organisations)
- National public building authorities
- National heritage authorities

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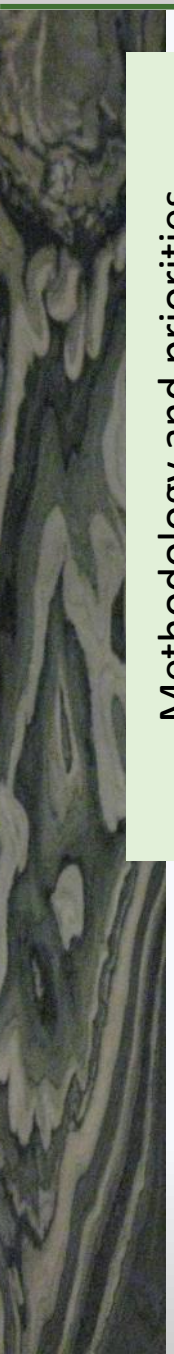

Methodology and priorities

- Geology, history and use WP3
- Technical/physical data WP4
- Heritage values WP5
- IP data requirements and deliveries WP6

Product development

- Map services
- Other database platforms
- Best practice
- Guidelines
- Atlas

Testing and implementation

European Ornamental stone information platform

Communication, dissemination and stakeholder involvement WP2

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