Enabling the European Business Graph
for Innovative Data Products and Services

European partners
SINTEF, EVRY, Brønnøysund Register Centre – Norway
Cerved, SpazioDati, University of Milano-Bicocca – Italy
OpenCorporates – UK
Deutsche Welle – Germany
Ontotext AD – Bulgaria
Institut Jozef Stefan – Slovenia

10 European partners
2.5 Years (2017-2019)

6 Business cases
30+ Datasets
€3.7 M
Project goal

- To build a **dynamic knowledge graph** of company data across Europe

- The aim is to cover many aspects of company data, organize them into a knowledge graph and make it available for a number of services
Main Challenges

- **Developing shared identifiers** for companies (incl. mapping to existing identifier systems)
- Heterogeneity (many different sources, across-sectors)
- Fragmented across borders
- Unclear authoritativeness
- Data compatibility
- Expensive, time-consuming and error-prone reconciliation
Why company data

• Core asset in digitalization of business and society
• Serves as a foundation of many data value chains
• High societal significance (transparency, accountability)
Data Value Chains

System of Identifiers (companies, organizations, people, contracts, corporate events)

Business Graph
Cross-country, domain, language

Shared data models

Multilinguality

Operations (data linking, integration, hosting, querying, provisioning, access control, billing, etc)

Simplified Data Analytics

Multilinguality

Data brokerage / marketplace

Customer segments
Banks
Marketing & Sales Departments
Public Administration
Insurance & Finance
Credit Scoring
SMEs and Start-ups
Procurement
Investigation & Compliance
...

Data Sources
Publicly available free data
- National Business Registries
- OpenCorporates Data
- Gazettes
- Other registries (e.g., credit scoring, charity registers, licenses, stock market information, patent registry, etc.)
- Newspapers / broadcasters
- Social media and the Web
- Public Administration Tenders

Consortium proprietary data

3rd party proprietary data

Business products and services
Consortium products and services
- Marketing & Sales (Atoka+)
- Enterprise / CRM (CRM-S)
- Business Information (TDS)
- Media (DJP)
- Open Data (CED, BR-S)

3rd party data-driven services

Data Value Feedback Chain
Thank you!

Dumitru.Roman@sintef.no
Marko.Grobelnik@ijs.si
euBusinessGraph has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 732003