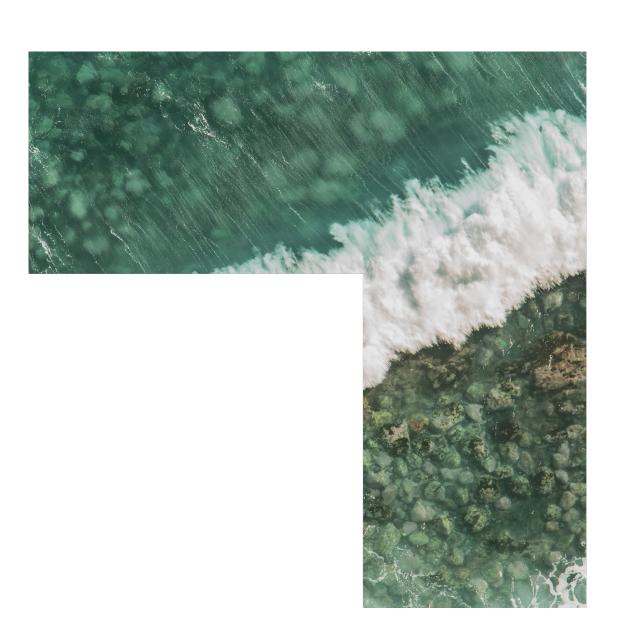
Got environmental, social and governance (ESG) data?

Addressing ESG data challenges

FIBS November 22, 2022





European regulation

EU Due Diligence etc.

TCFD, SDG etc

We know it will be in law, but when? Anyway, two years is short time.

EU Taxonomy	2022 Mitigation and adaptation		2023 Circular, waste, water, biodive	ersity	2026 Social, governance	
Corporate Sustainability Reporting Directive (CSRD)		2024	······	2025		
European Single Access Point (ESAP)					2027 Available	
Sustainable Finance Disclosure Regulation (SFDR)	2021 In force					
European Central Bank Stress Testing	2022 Annual, ongoing					
International Sustainability Standards Board (ISSB)	2022 Proposal					
Securities and Exchange Commission (SEC) Climate Disclosure	2022 Proposal		2022 Large companies		2025 SMEs	

ESG reporting is basically data management practice.

Industry-leading data management practices

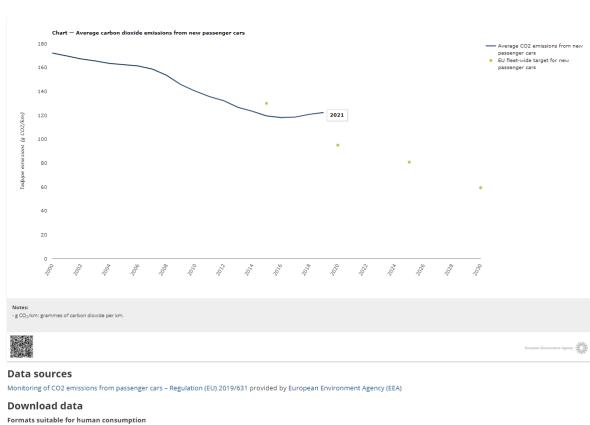
Get raw data	Refine		Store and manage	Report	
Empirical source data gathering	Standardization (e.g., KwH, surface area) Contextual metadata (time, distance and location)	Emission factor calculations Life cycle assessment (LCA) analysis	Component and raw material allocation Finance contract allocation analysis	Annual reporting Financial contract reporting Regulatory reporting ESG ratings Risk management	

From Excel to Power BI to enterprise data management (EDM)

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Data availability examples

- SYKE / LUKE
- Hinku / hiilineutraalisuomi.fi
- Fingrid datahub
- ARA (Energiatodistusrekisteri EPCs)
- Maanmittauslaitos (real-estate register, maps)
- Trafi
- **European Environmental Agency**
 - **GHG Protocol**
- Thinkhazard!
- **Ecovadis**
- Sustainalytics
- MSCI ESG ,Refinitiv ESG Data, S&P ESG etc.
- Enento ESG, Visma Systynex, start-ups...



HTML CSV TSV

Formats suitable for machine-to-machine communication

JSON Exhibit JSON XML XML with Schema

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Insights you can act on

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