



From Sustainability Strategy to Data-Based Implementation: Operationalizing CSRD Reporting

Sustainability Circle Roundtable Jan 2024

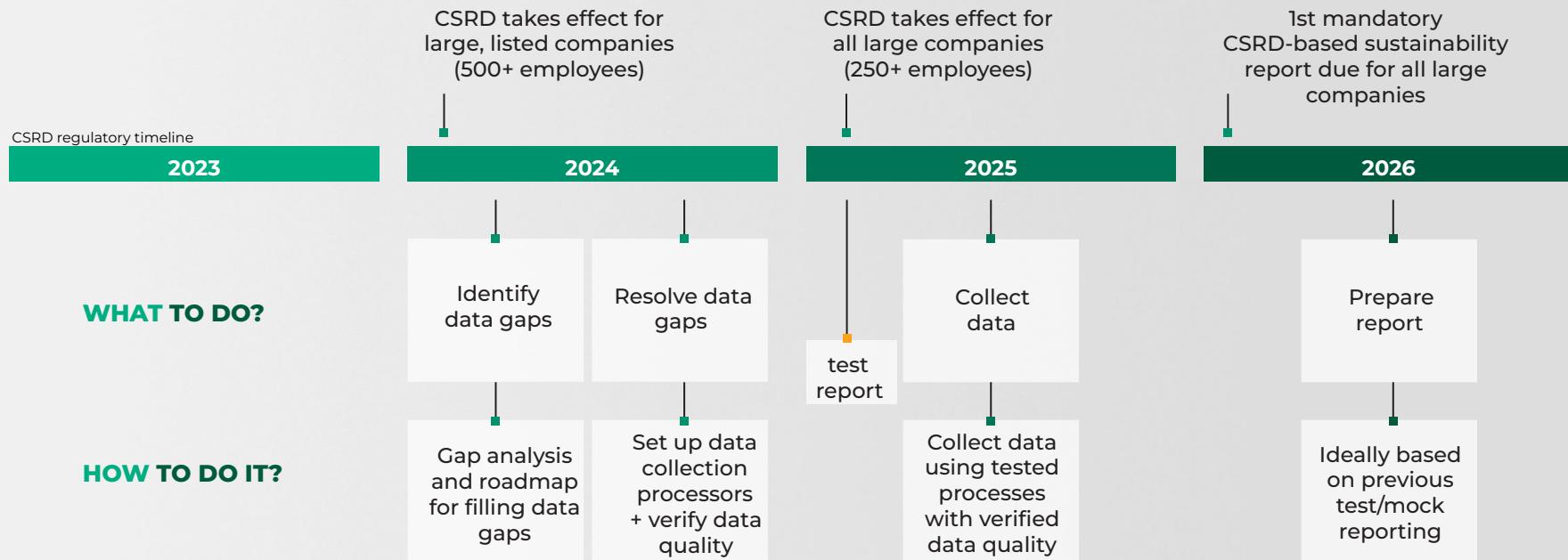


Zühlke ESG IT-Tool Landscape



Supply Chain		Supply Chain Transparency	Sustainable Procurement										
E	Company	Carbon Management	Carbon Capturing & Offsetting	Energy Management	Water Management	Facility Management	Waste Management	Biodiversity Management					
	Product		Product Lifecycle Management	Life-Cycle Assessment	Sustainable Packaging	Manage Returns & Circularity			Sustainable Logistics	Critical Materials Management			
S	Employee	Employee Engagement	Mobility Management	Health & Safety	Whistleblowing								
	Society	Social Justice & Inclusion	Stakeholder Engagement										
G	Governance	Materiality, Goals & Strategy	Compliance Management	ESG Risk Management	ESG Regulatory Reporting	Climate Adaptation							
	Finance	Green Finance & Investment											

A RETROPLANNING ON CSRD REPORTING, COMPANIES MUST START PREPARE EARLY 2024



PERFORM YOUR CSRD GAP ANALYSIS BY FLAGGING AVAILABLE AND MISSING DATA ACROSS YOUR SYSTEMS



Identify relevant data points and stakeholders



Gather data & documentation via relevant stakeholders



Fill in data points where possible



Outline what is missing and how to gather this data to meet requirements

DATA LIST + SCENARIO TESTING FOR YOUR ACTIVITIES

GAP ASSESSMENT



POWERED BY GREENOMY ESG REPORTING & INPUT DATA MODEL

Per topic: HR, Water, Waste, Energy, Financials, Carbon, Pollution, Company Structure

CHALLENGES OF ESG DATA COLLECTING

THE ESG DATA LIBRARY USE CASE

ESG DATA CHALLENGES

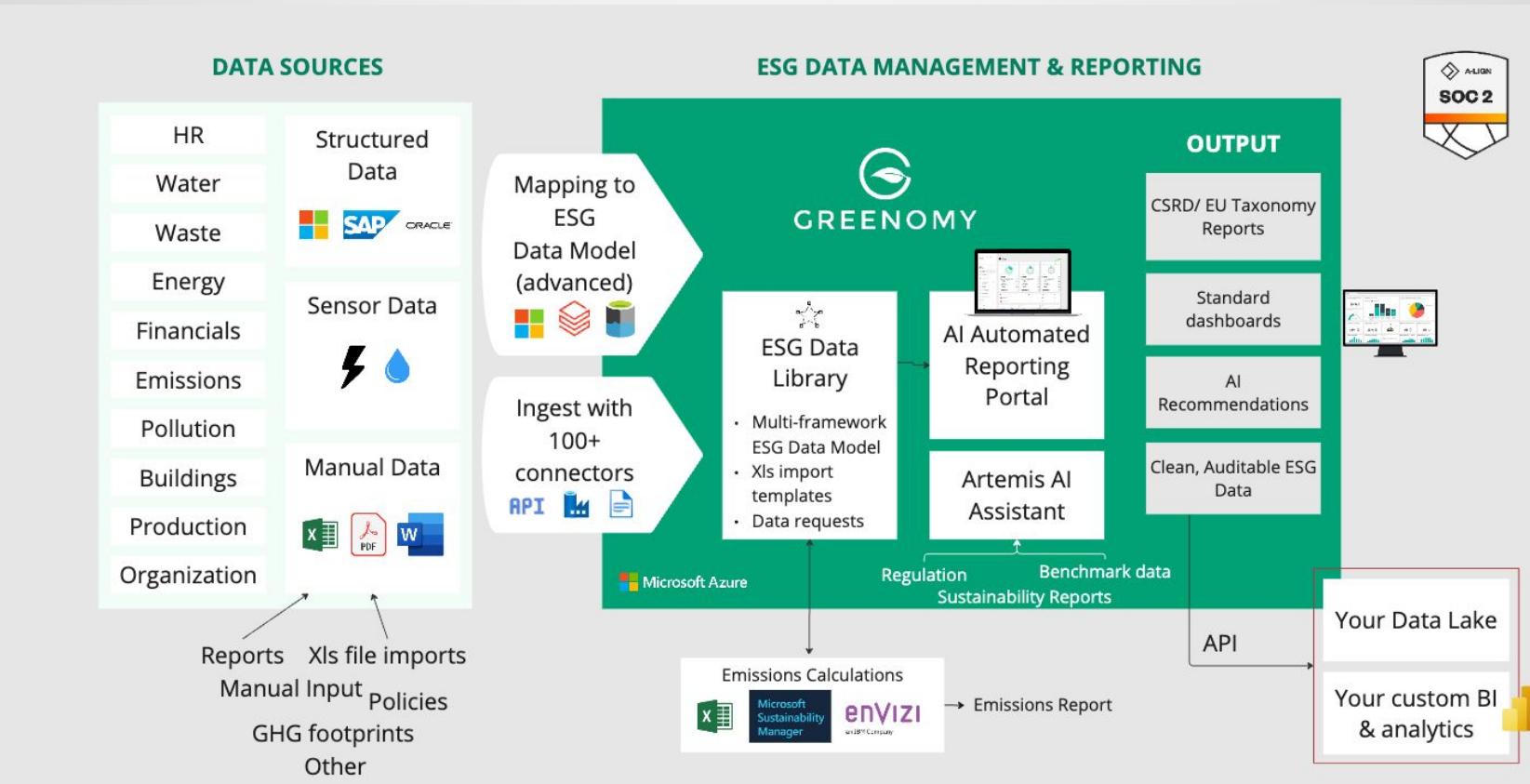
- ✗ **> 1000 data points** to report on and key figures (80+) required by ESRS
- ✗ Collect data **from different subsidiaries & departments**
- ✗ Harmonization of data in a **central data model**
- ✗ Sufficient Data granularity to **anticipate regulatory changes** and **steer activity**
- ✗ **Traceability** to allow **external audit**



UPLOAD YOUR RAW ESG DATA

- ✓ More **efficient**: no need to understand all KPI
- ✓ **Interoperability**: upload once and map to different frameworks
- ✓ Anticipate future legislative **changes**
- ✓ Potential to **customize and fully automate** data flow* + integrate with other dashboarding tools (e.g. Power BI)
- ✓ Prepare an audit trail and prepare for **assurance** requirements

DATA INTEGRATION OF ESG DATA STREAMS WITH THE DATA LIBRARY



UPLOAD YOUR RAW ESG DATA VIA THE USE OF XLS TEMPLATES

STEP 1 EXTRACT DATA FROM YOUR SYSTEMS

Manual or automated data extracts to feed our systems

STEP 2 MAP DATA TO OUR IMPORT TEMPLATE

Feed our multi-framework ESG data model with xls templates including optional and mandatory breakdowns (dimensions).

STEP 3 AUTOMATICALLY REPORT ON CSRD

Our ESG calculation engine automatically aggregates your data to feed your reporting and BI

1 Raw energy data

Kwartaal	Periode	InfrastructureCode	InfrastructureDescription	SortConsumption	Volume
2017-Q1	201701	ID1	Vehicle1	Gasoile	28001 Liter
2017-Q1	201701	ID2	Vehicle2	Gasoile	17006 Liter
2017-Q1	201701	ID3	Vehicle3	Gasoile	3000 Liter
2017-Q1	201701	ID4	Vehicle4	Gasoile	1300 Liter
2017-Q1	201701	ID5	Building1	Water	4 m3
2017-Q1	201701	ID6	Building2	Water	1 m3
2017-Q1	201701	ID6	Building3	Gasoile	2432 kWh
2017-Q1	201701	ID6	Building4	Water	13 m3
2017-Q1	201701	ID9	Building4	Gasoile	5378 kWh
2017-Q1	201701	ID9	Building4	Water	0 m3
2017-Q1	201701	ID12	Building5	Water	26 m3

2 Standardized energy data

Country	Legal Entity	Site	Optional (for BI)		Mandatory (for CSRD reporting)		
			Component Name	Component Code	Energy Type	Period	Consumption (kWh)
Belgium	Company SA	Site1	Vehicle1	ID1	Crude oil and petroleum products	201701	296.250,58
Belgium	Company SA	Site1	Vehicle2	ID2	Crude oil and petroleum products	201701	179.923,48
Belgium	Company SA	Site1	Vehicle3	ID3	Crude oil and petroleum products	201701	31.740,00
Belgium	Company SA	Site1	Vehicle4	ID4	Crude oil and petroleum products	201701	13.754,00
Belgium	Company SA	Site1	Building1	ID5	Crude oil and petroleum products	201701	2.432,00
Belgium	Company SA	Site1	Building2	ID6	Crude oil and petroleum products	201701	5.378,00
Belgium	Company SA	Site1	Building3	ID6	Crude oil and petroleum products	201701	56.705,00
Belgium	Company SA	Site1	Building3	ID6	Crude oil and petroleum products	201701	38.837,00
Belgium	Company SA	Site1	Building4	ID9	Natural gas	201701	174.787,00
Belgium	Company SA	Site1	Building4	ID9	Natural gas	201701	85.513,00
Belgium	Company SA	Site1	Building4	ID9	Natural gas	201701	24.747,00
Belgium	Company SA	Site1	Building5	ID12	Natural gas	201701	-
Belgium	Company SA	Site1	Building6	ID13	Natural gas	201701	6.933,00
Belgium	Company SA	Site1	Building7	ID14	Natural gas	201701	2.033,00
Belgium	Company SA	Site1	Building7	ID14	Crude oil and petroleum products	201701	74.281,00
Belgium	Company SA	Site1	Building8	ID16	Crude oil and petroleum products	201701	47.166,00
Belgium	Company SA	Site1	Building8	ID16	Crude oil and petroleum products	201701	15.347,00
Belgium	Company SA	Site1	Building9	ID18	Crude oil and petroleum products	201701	118.082,00

3 Reporting & Analytics

GREENOMY

ESRS1 - General requirements

ESRS2 - General disclosures

Topical standards

ESRS1 - Climate Change

ESRS2 - Pollution

ESRS3 - Water and Marine Resources

ESRS4 - Biodiversity and Ecosystems

ESRS5 - Resource Use and Circular Economy

ESRS51 - Own workforce

ESRS52 - Workers in the value chain

ESRS53 - Affected communities

ESRS54 - Consumers and end-users

ESRS61 - Business Conduct

Help

Quantitative

Energy consumption and mix

Energy consumption and mix

Energy intensity based on net revenue

Reconciliation of net revenue

Cancel

Save

Quantitative

Energy consumption and mix

Comparative

Year N

Total fossil energy consumption (MWh) (calculated as the sum of lines 15 to 18)

Share of fossil sources in total energy consumption (%)

Share of consumption from nuclear sources (MWh)

Share of consumption from renewable sources in total energy consumption (%)

Share of consumption from renewable sources, including biomass (bio mass comprising industrial and municipal waste of biological origin, biogas, renewable hydrogen, etc.) (MWh)

Consumption of purchased or acquired electricity, heat, steam and cooling from renewable sources (MWh)

Consumption of self-generated non-fuel renewable energy

Total renewable and low-carbon energy consumption (calculated as the sum of lines 8 to 10)

Share of renewable and low-carbon sources in total energy consumption (%)

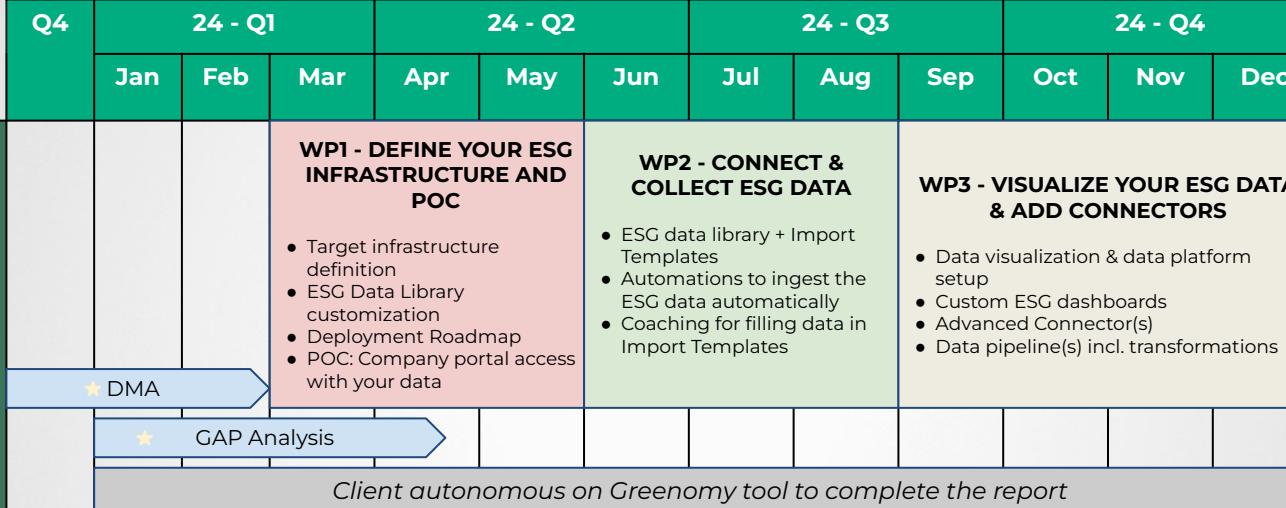
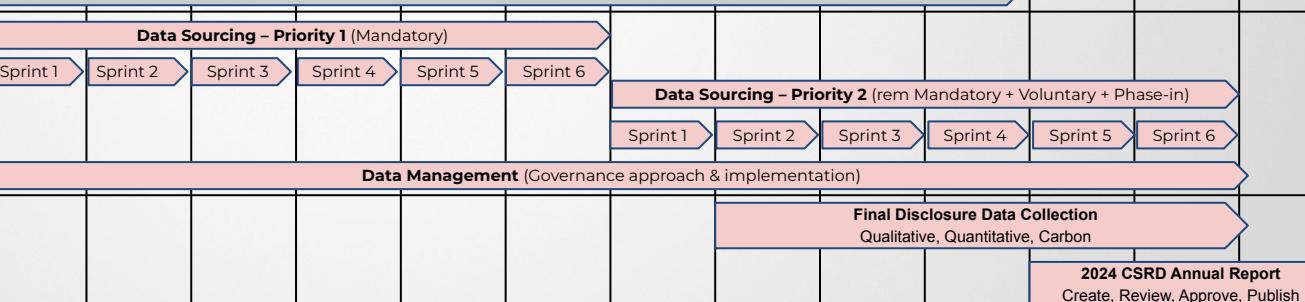
Total energy consumption (MWh) (calculated as the sum of lines 1 and 12)

Renewable Energy Consumption

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TYPICAL PROJECT ROADMAP

	Q4	24 - Q1			24 - Q2			24 - Q3			24 - Q4			25 - Q1									
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar							
GREENOMY DATA INTEGRATION		WP1 - DEFINE YOUR ESG INFRASTRUCTURE AND POC <ul style="list-style-type: none"> Target infrastructure definition ESG Data Library customization Deployment Roadmap POC: Company portal access with your data 			WP2 - CONNECT & COLLECT ESG DATA <ul style="list-style-type: none"> ESG data library + Import Templates Automations to ingest the ESG data automatically Coaching for filling data in Import Templates 			WP3 - VISUALIZE YOUR ESG DATA & ADD CONNECTORS <ul style="list-style-type: none"> Data visualization & data platform setup Custom ESG dashboards Advanced Connector(s) Data pipeline(s) incl. transformations 															
																							
		<i>Client autonomous on Greenomy tool to complete the report</i>																					
			Data Sourcing - Priority 1 (Mandatory) <ul style="list-style-type: none"> Sprint 1 Sprint 2 Sprint 3 Sprint 4 Sprint 5 Sprint 6 						Data Sourcing - Priority 2 (rem Mandatory + Voluntary + Phase-in) <ul style="list-style-type: none"> Sprint 1 Sprint 2 Sprint 3 Sprint 4 Sprint 5 Sprint 6 														
			Data Management (Governance approach & implementation)																				
															Final Disclosure Data Collection Qualitative, Quantitative, Carbon								
															2024 CSRD Annual Report Create, Review, Approve, Publish								



CONTACT INFORMATION:

charles.manche@greenomy.io

Partnerships & French Market

WWW.GREENOMY.IO



HOW TO GET STARTED?

Book a 30min diagnostic call with a Greenomy advisor or sign up for a trial:

<https://greenomy.io/book-a-demo>

GREENOMY CREDENTIALS



Part of Euroclear, one of the world's leading financial market infrastructures, with 6.000+ employees and €2.7bn operating income in FY 2022



200+

Users including large & mid-cap corporates, top-tier banks, asset managers and advisory firms.



70+

Highly skilled sustainability and tech experts.



2,500+

Users on the Greenomy Academy since its launch in February 2023.



50+

Consultancy and tech partners assisting clients in their ESG reporting journey with the Greenomy solutions.



10,000+

LinkedIn followers

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PARTNERS OFFERING GREENOMY TO THEIR CLIENTS



ADVOCACY ORGANISATIONS WE ARE PART OF



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