

How to Leverage Data for Sustainability

Turning auditable ESG data points into
operations booster

7th of May 2024, Anne Marchal and Christoph Hammer-Dumont



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Warm Up question I

What do you prefer?

1. Beach
2. Mountains

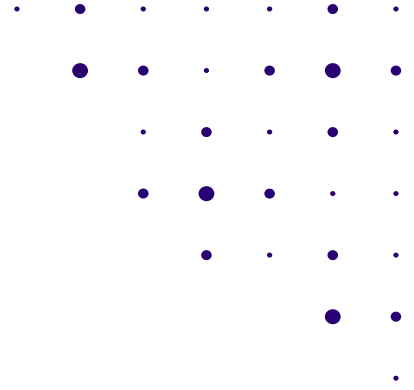
Warm Up question II

How did you come here?

1. By foot/bicycle
2. Public Transport (bus, train)
3. Individual Transport (car, taxi, plane)

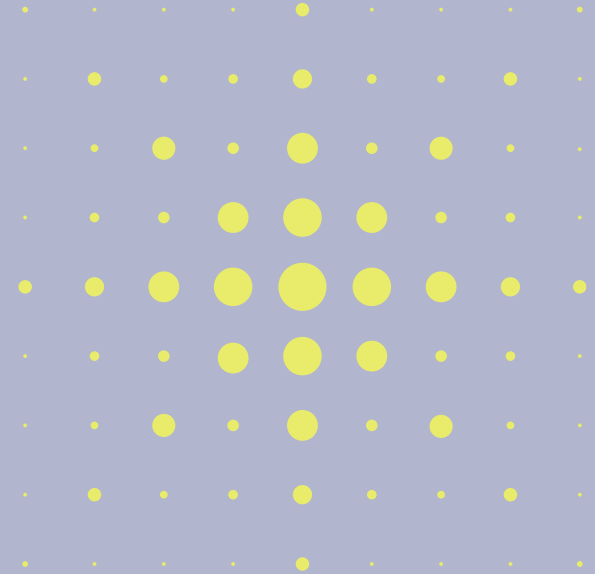
Agenda

1. Our Company in a Nutshell
2. Sustainability Goals: Mastering ESG Challenges
3. Drivers for Auditable Data Points
4. Journey towards an ESG-steered Organization
5. Q&A and Conclusion



1.

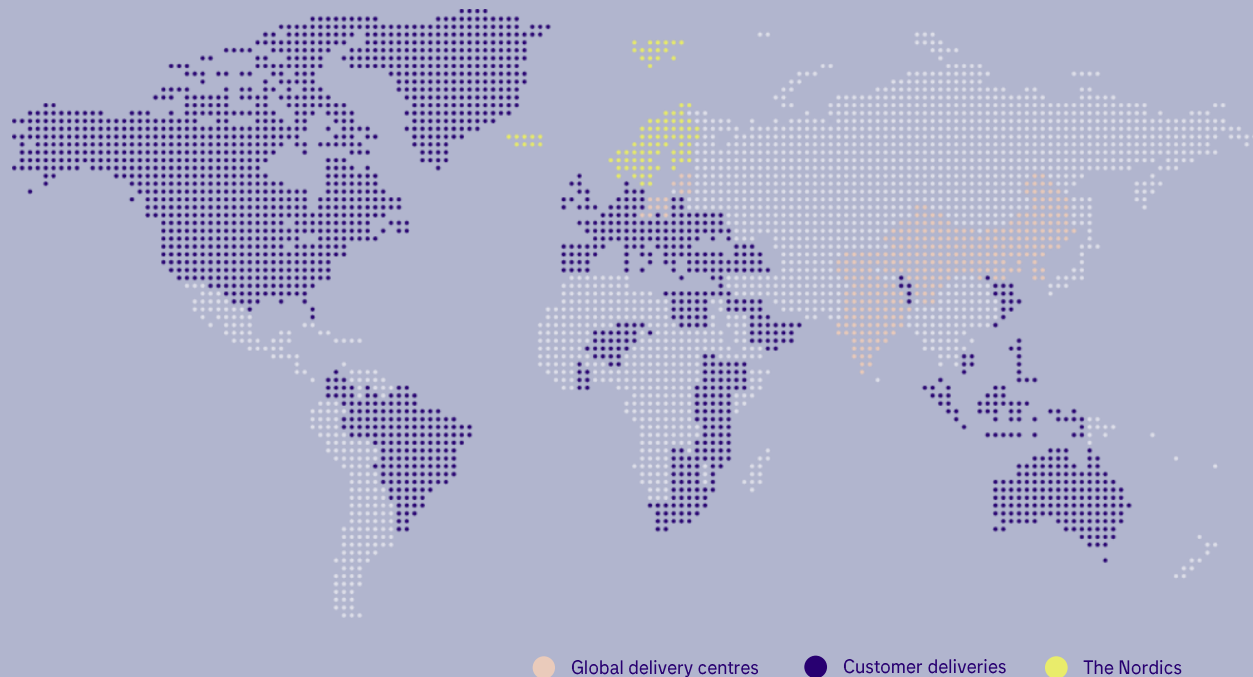
Tietoevry Company Presentation



To create purposeful
technology that
reinvents
the world for good



We are
developers of
digital futures



Since April **2005**

~300
professionals
locally,
24000 globally

Offices in
**Vienna, Linz,
Graz & Zurich**

Data
Design & Experience
Cloud
Software Engineering
SAP
Advise – Build – Run

**Employer of
choice** (kununu)

Our Customers

With a focus on 3 business areas

Public sector and energy industry



Wood, paper, and manufacturing industry



Telecommunications and financial services



<https://www.tietoevry.com/at/success-stories/>

Tietoevry's Sustainability Pledge

Reinventing the world for good



Climate action

- 🌱 Ensure environmentally sustainable operations.
- 🌐 Strive for a carbon neutral footprint across our value chain
- ♻️ Drive the development towards a circular economy in own operations and through solutions and services



Ethical conduct

- 👤 Uphold the highest ethical standards in every facet of our business
- 🛡️ Ensure responsible solutions, protect privacy and safeguard solid cybersecurity across all operations



Social impact

- 👥 Promote and uphold a culture of diversity, equity, and inclusivity within our organisation
- 🏛️ Committed to respect and support human rights and labour rights across our operations.

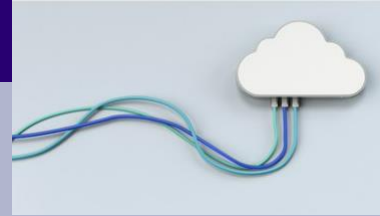
OUR KEY FOCUS AREAS

- Energy management, carbon emissions, circularity,
- Business ethics, values and integrity, data privacy, cybersecurity, Responsible AI
- Diversity, equity and inclusion, human rights and labour rights

OUR TARGETS

- Carbon neutral in own operations by 2026
- 100% circularity - internal and customer hardware
- Zero corruption
- Zero major breaches of privacy
- All employees trained in Responsible AI
- Respect human rights
- Zero discrimination and harassment
- Achieve 49/49 gender balance over time
- 30% underrepresented gender in leadership positions by 2030

Our services



Data

- Data management & strategy advisory
- Data logistics & Data engineering
- Cloud data platforms & DWH modernization
- Business Intelligence & Analytics
- Optimization, automation & AI

Design

- Advisory, design & innovation
- Omni-channel customer engagement
- Digital commerce
- Web, apps and content
- Customer service
- Customer data & analytics

Cloud

- Cloud architecture
- Cloud native development
- Cloud DevOps
- Cloud Platform Engineering

Software Engineering

- Software engineering & R&D
- Testing & QA
- Application Modernization

SAP

- SAP Application integration and development services

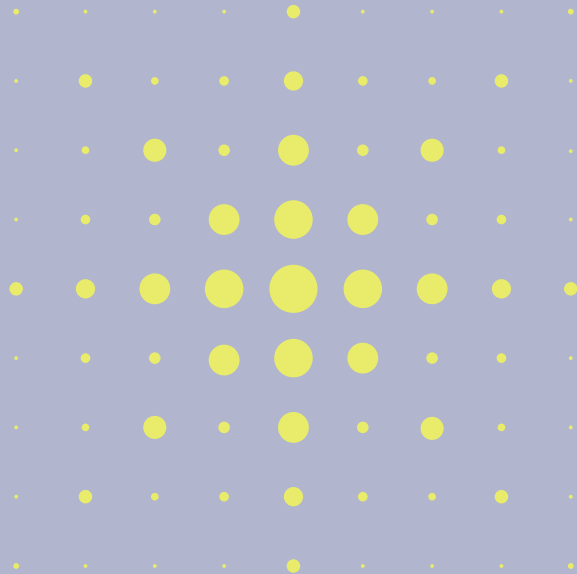
Question III

If you think about your ESG role (Sustainability Manager, Reporting, Treasury, etc.), which statement is closer to your situation?

1. **„I’m struggling“**: ESG data is a regular constraint in my job and I am confronted with poor data quality on a daily basis
2. **„Luckily it’s not my topic“**: As a company, we do have challenges with ESG data but another division is in charge of gathering the data
3. **„I have time for the real thing“**: As a company, we sorted out the data topic and we have a streamlined and automated reporting

2.

What is the Challenge
with “Auditable Data
Points”?



Why do people join the ESG division of a company?

© Alan Rodriguez / unsplash



What is the reality of the job in the ESG division?

© Alexander Grey / unsplash

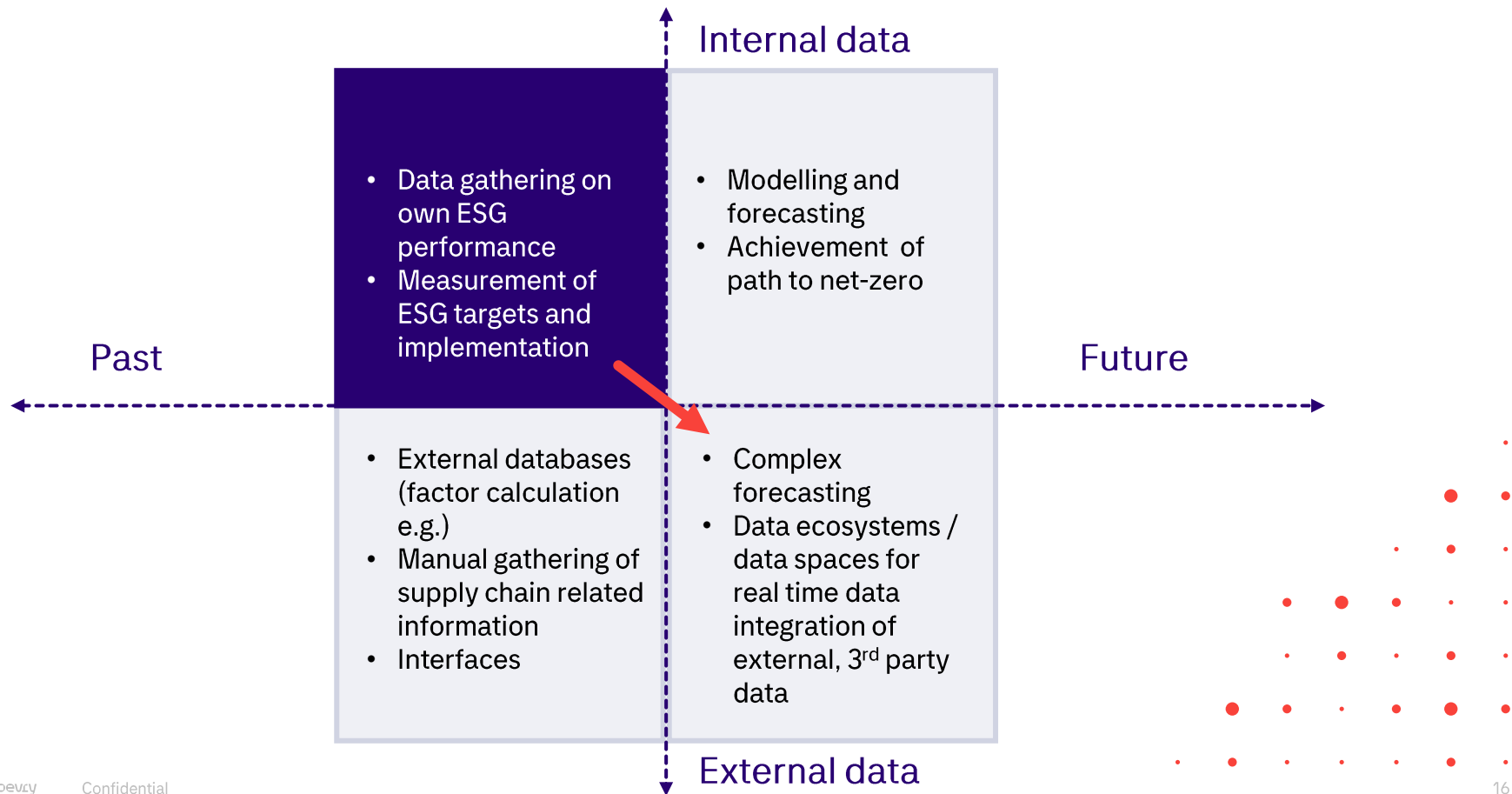


Which challenges do Sustainability Managers face?

© Abir Abdullah / dpa - Collapse of Rana Plaza - 24. April 2023



Dimensions of the ESG data gathering



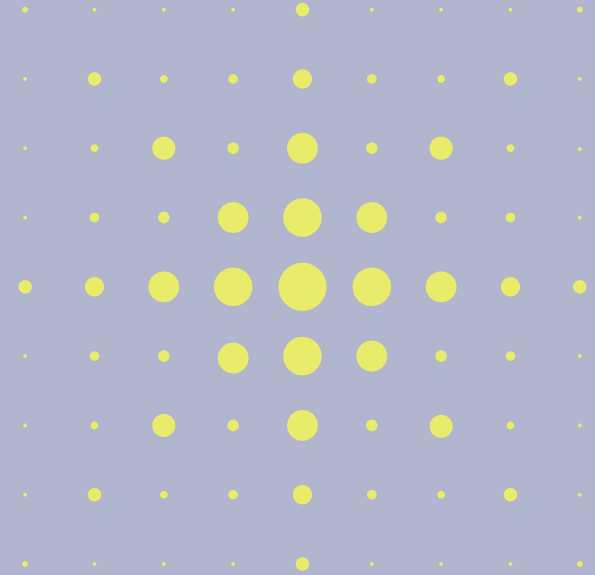
Question IV

On a scale from 1 to 3 how challenging do you find the ESRS data gathering process for reporting purposes?

1. Not challenging at all
2. Under control
3. Very challenging

3.

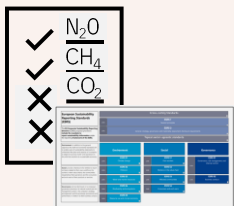
Drivers for Auditable Data
Points: Managing Chaos
and Improving the ESG
Performance
(... and the Life of
Sustainability Managers)



What ESG Managers are mostly struggling with on the data side:

01

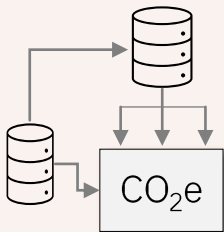
Data completeness



Incomplete and incorrect data make complete reporting difficult.

02

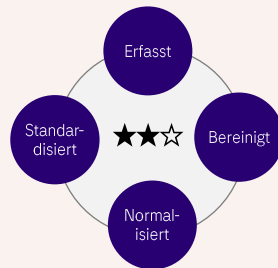
Data sources



Decentralized reporting with **different data sources** makes integrations difficult.

03

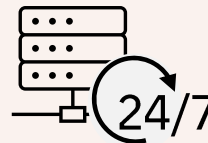
Data quality



Lack of data quality with **different formats and data structures** require standardization.

04

Data availability



Permanent availability of data is only possible to a **limited extent**.

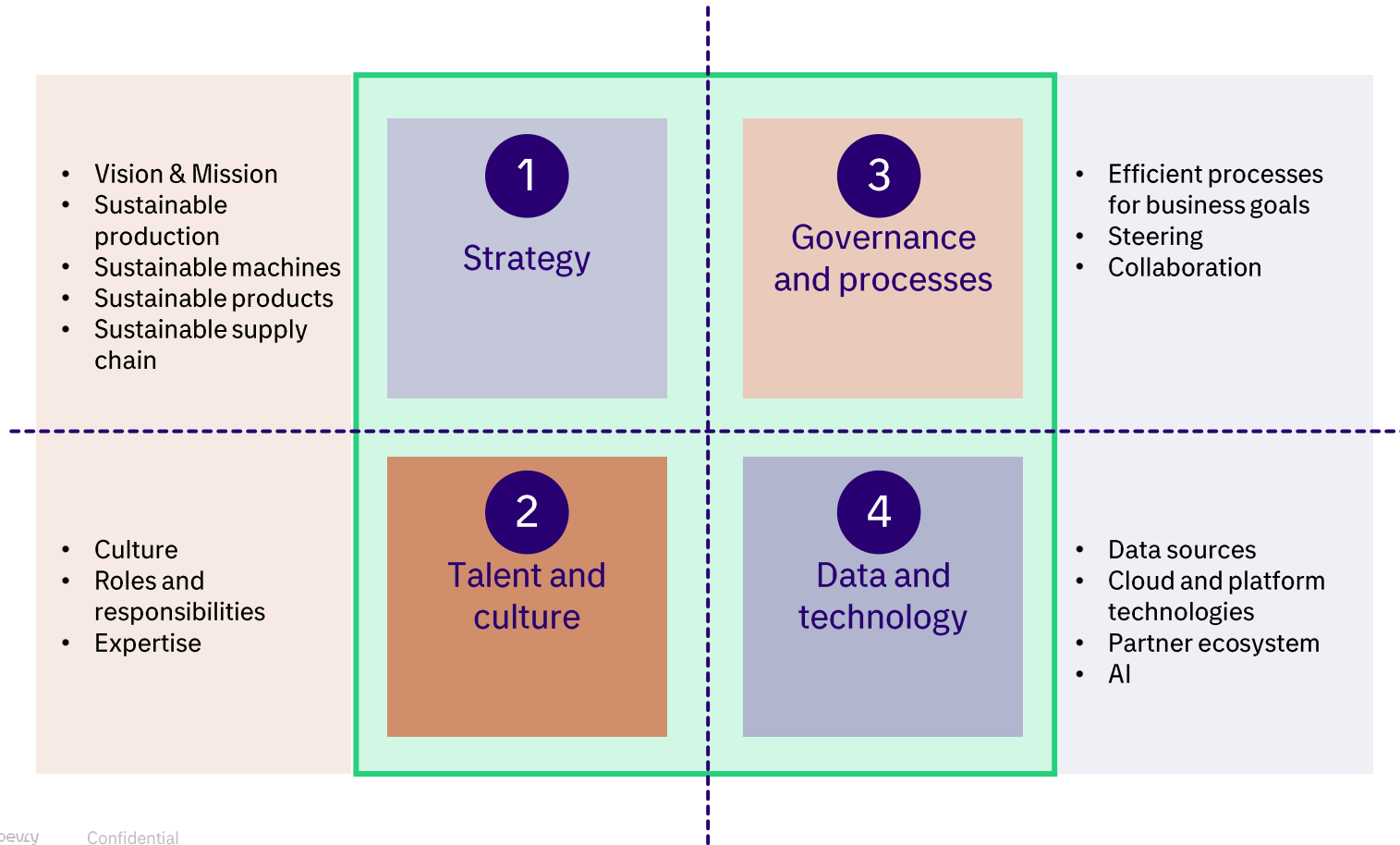
05

Data processing

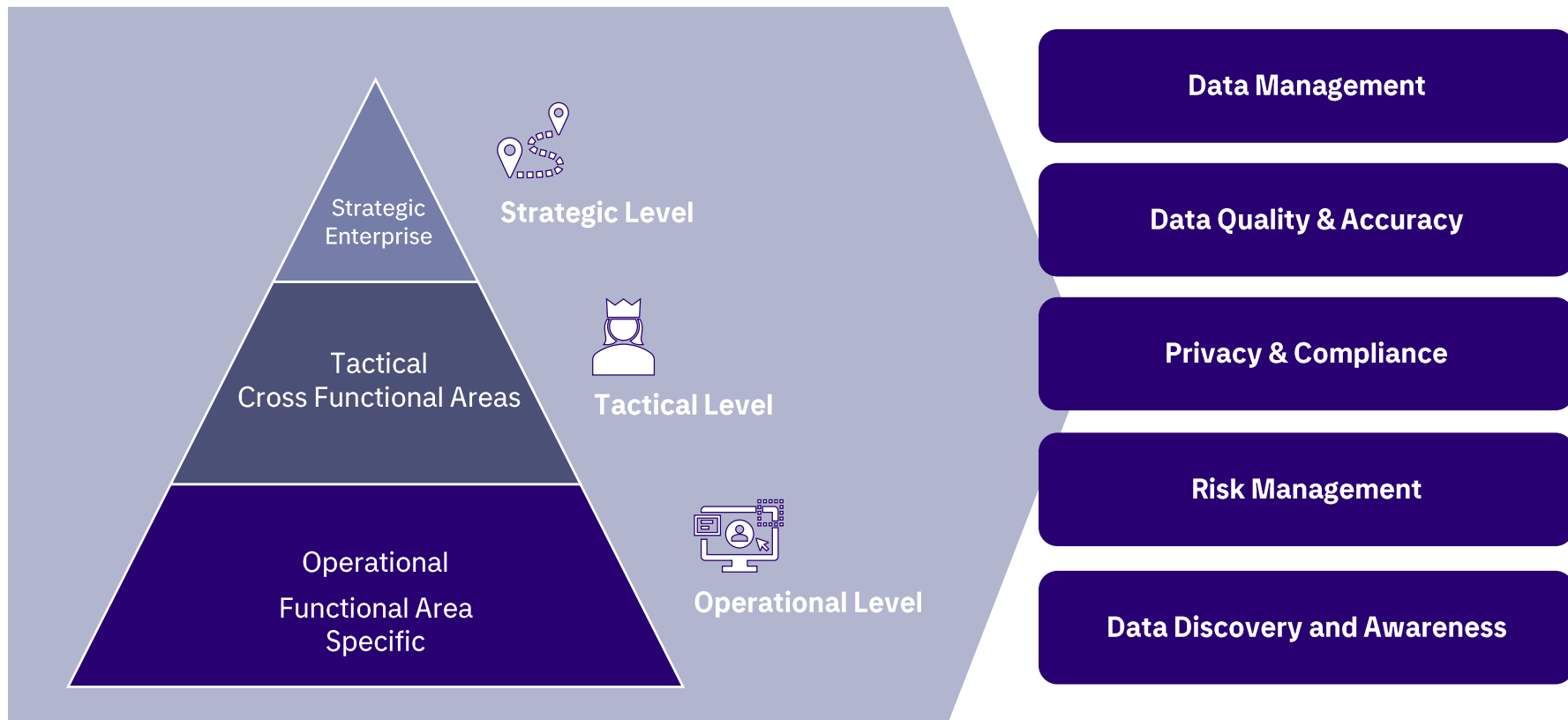


Manual data preparation requires **additional effort**.

Dimensions for auditable data points

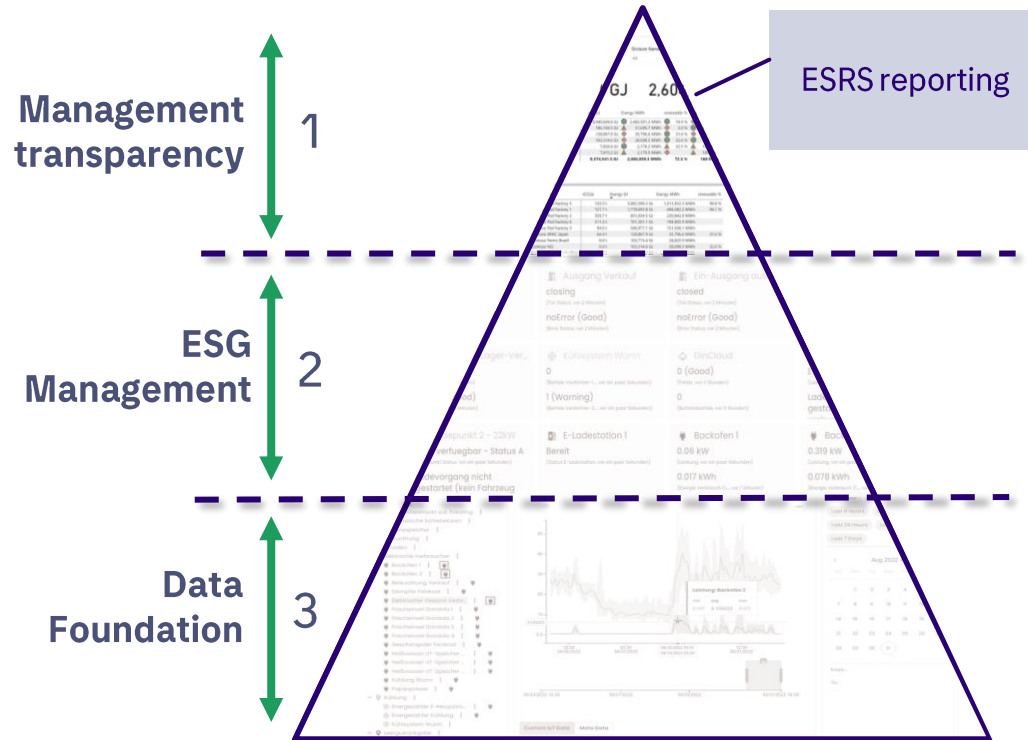


3 Data Excellence: Building trust in your ESG data



4 IT Architecture and Data

From auditable data points to company wide steering



Consolidated reporting level

- Access to overall, aggregated and auditable „reporting numbers“
- Flexible reports with KPI dashboards

Improvement level / Operations

- ESG reporting for the locations, models and simulation
- Target measurement & benchmarking (ESG, energy, etc.)
- Optimization: targets, limits, warning / alarming
- Historical level and master data level

Data integration level

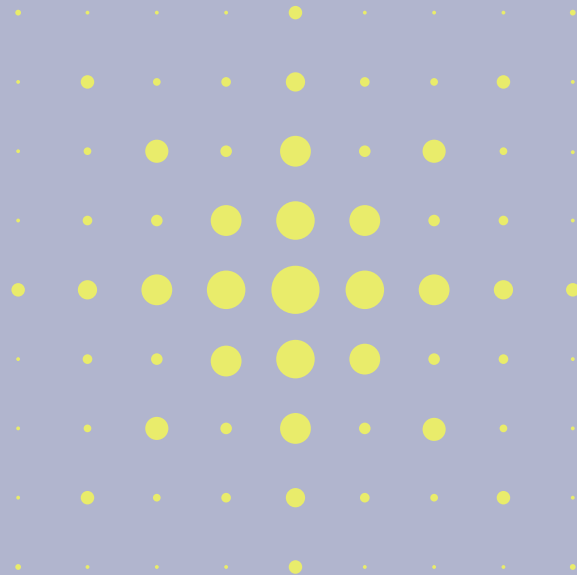
- Data flow, API & system integration
- Steering and automation
- Comprehensive detailed analysis

4

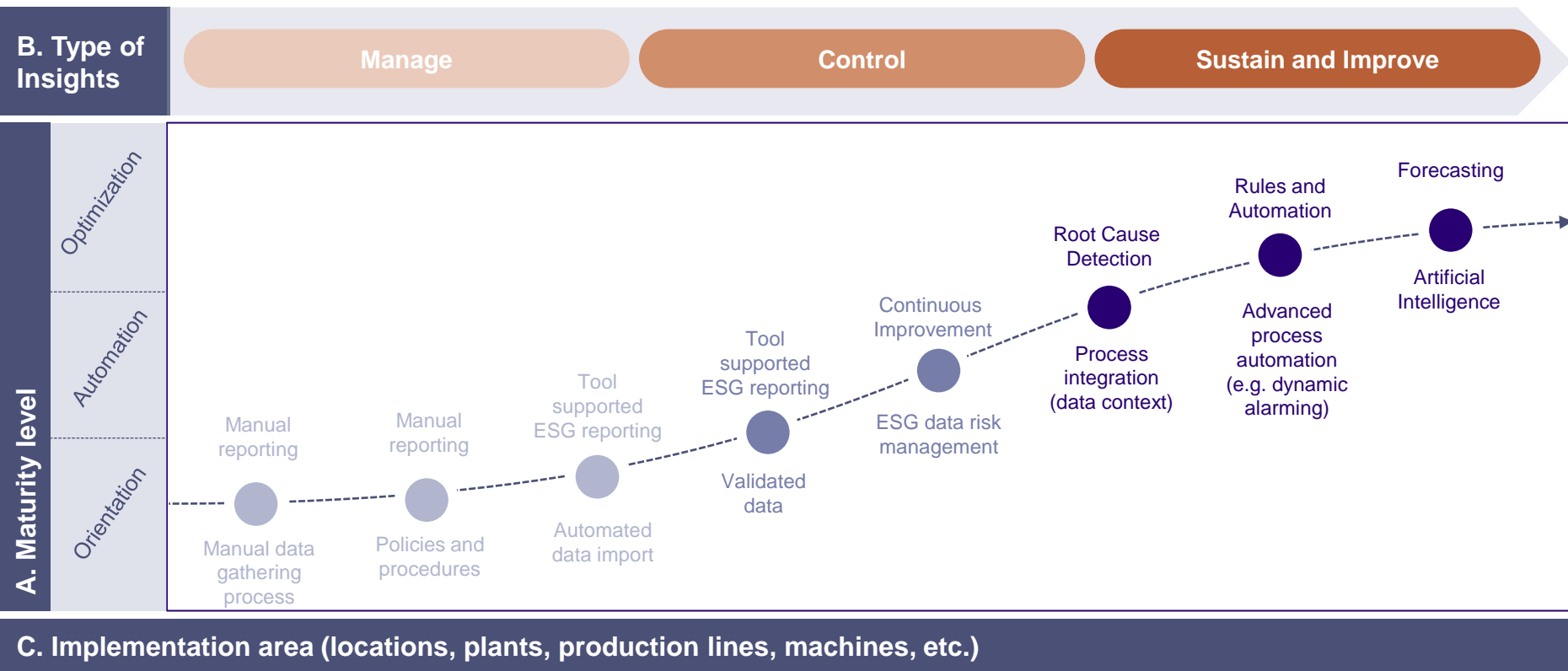


4.

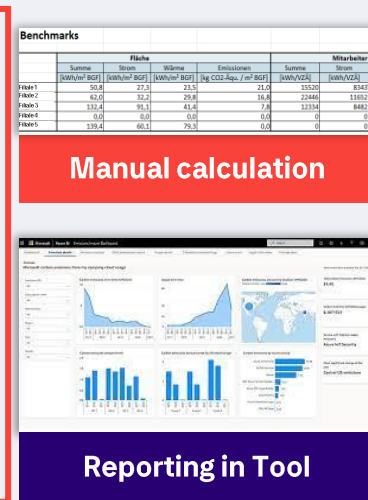
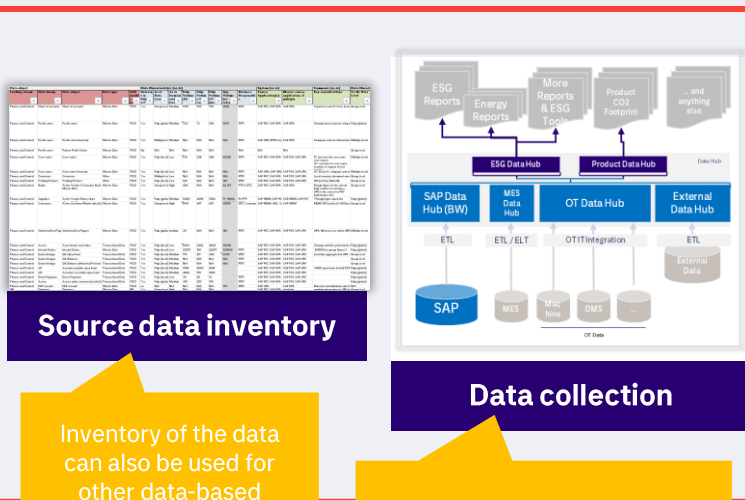
Journey towards an ESG-steered organization



The Journey to auditable ESG data points



How to start to get to the auditable data points?



Sustainability dashboard

Indicator name	Goal	2020	2021	2022	2023	2024
Human rights	2021 Conduct a human rights impact assessment for a business entity	Assessment is completed (100%)	Assessment is completed (100%)	Assessment is completed (100%)	Assessment is completed (100%)	Assessment is completed (100%)
Customer privacy	2021 Zero external complaints concerning breaches of customer privacy and security	Zero	Zero	Zero	Zero	Zero
Business ethics	2021 100% compliance of ethics training (Go to training)	100%	100%	100%	100%	100%
Anti-corruption	2021 100% compliance of anti-corruption training within four business units	100%	100%	100%	100%	100%
Responsible sourcing	2021 100% of sales or revenue sourced in compliance with Supplier Code of Conduct	100%	100%	100%	100%	100%
Energy	2021 100% reduction of energy consumption per unit of production (GWh/100t)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)
Energy usage	2021 100% reduction of energy consumption per unit of production (GWh/100t)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)
Climate resilience	2021 100% reduction of climate risk (GWh/100t)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)
Employee experience	2021 100% employee satisfaction (GWh/100t)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)	Reduction in 2020 and 2021 (100%)

Drivers for the ESG Reporting Tool Selection for auditable data points

Automation, operability, standards and frameworks

1. IT Architecture

- On-prem vs. Cloud
- Strategical project and modernization (Data platform)
- Data integration
- Dependency, security
- Integration of 3rd party data

2. Purpose of the ESG Tool & Scalability

- New hierarchy & new users
- ESG reporting, monitoring, supply chain management, risk management
- Different regulatory requirements

3. Data validation

- Data inventory
- Data consolidation and harmonization
- Automated check and validation of the submitted data
- Complexity of the supply chain
- KPI definition and monitoring

4. Modelling and AI possibilities

- Data model and hierarchy
- Automation
- Data platform and big data for modelling purposes

5. User Experience

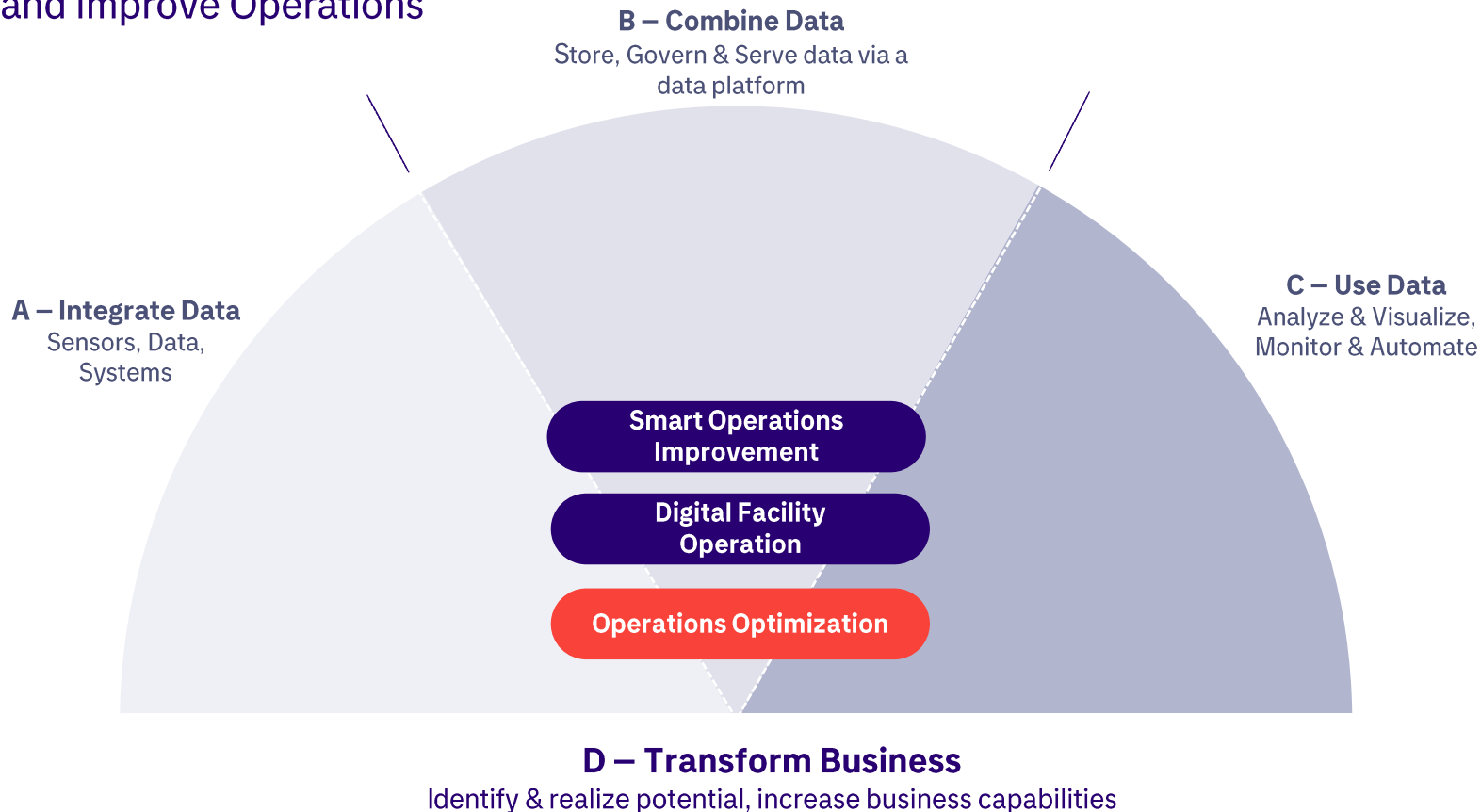
- Company set-up
- User friendly and available functionalities
- Process complexity
- Customization

6. Tech stack

- Best fit to IT architecture
- Software producer: Reputation and service support
- Price and license model

Is reporting the last mile?

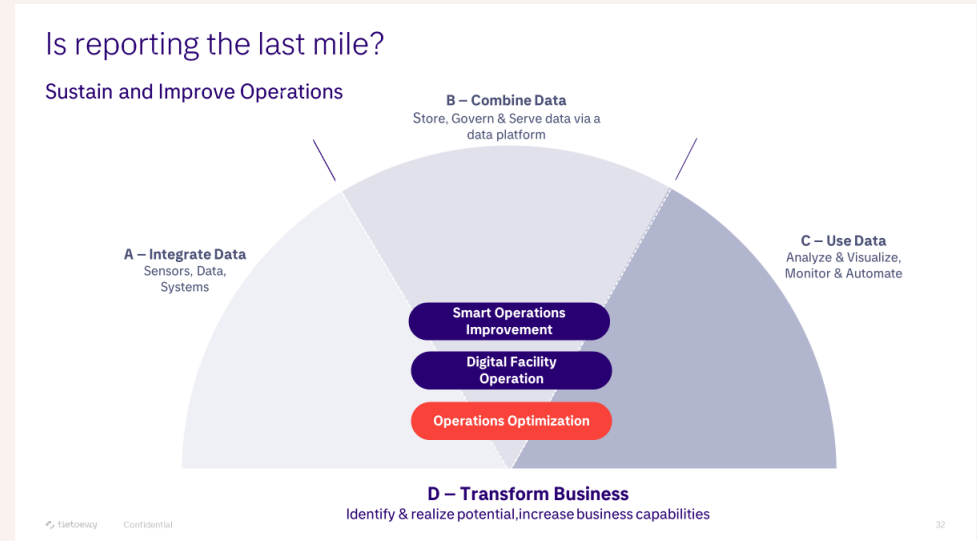
Sustain and Improve Operations



Question V

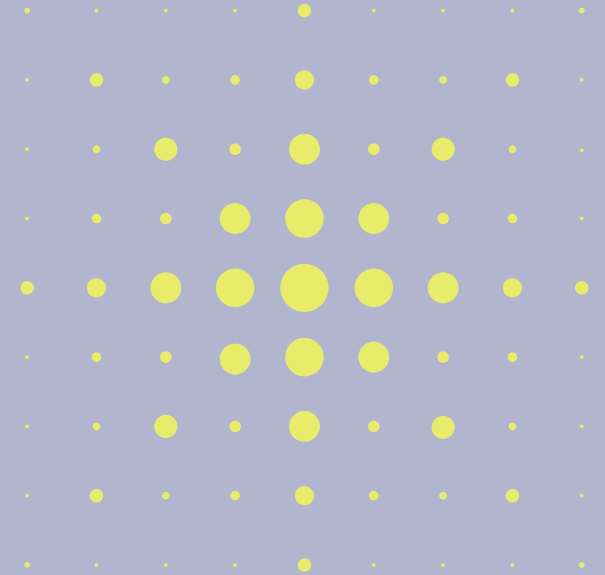
Where do you stand in the journey for the ESRS reporting?

1. Integrate Data
2. Combine Data
3. Use Data
4. Transform Business



5.

Q&A and conclusion



Data as basis for ESG Reporting and financial reporting to grow together

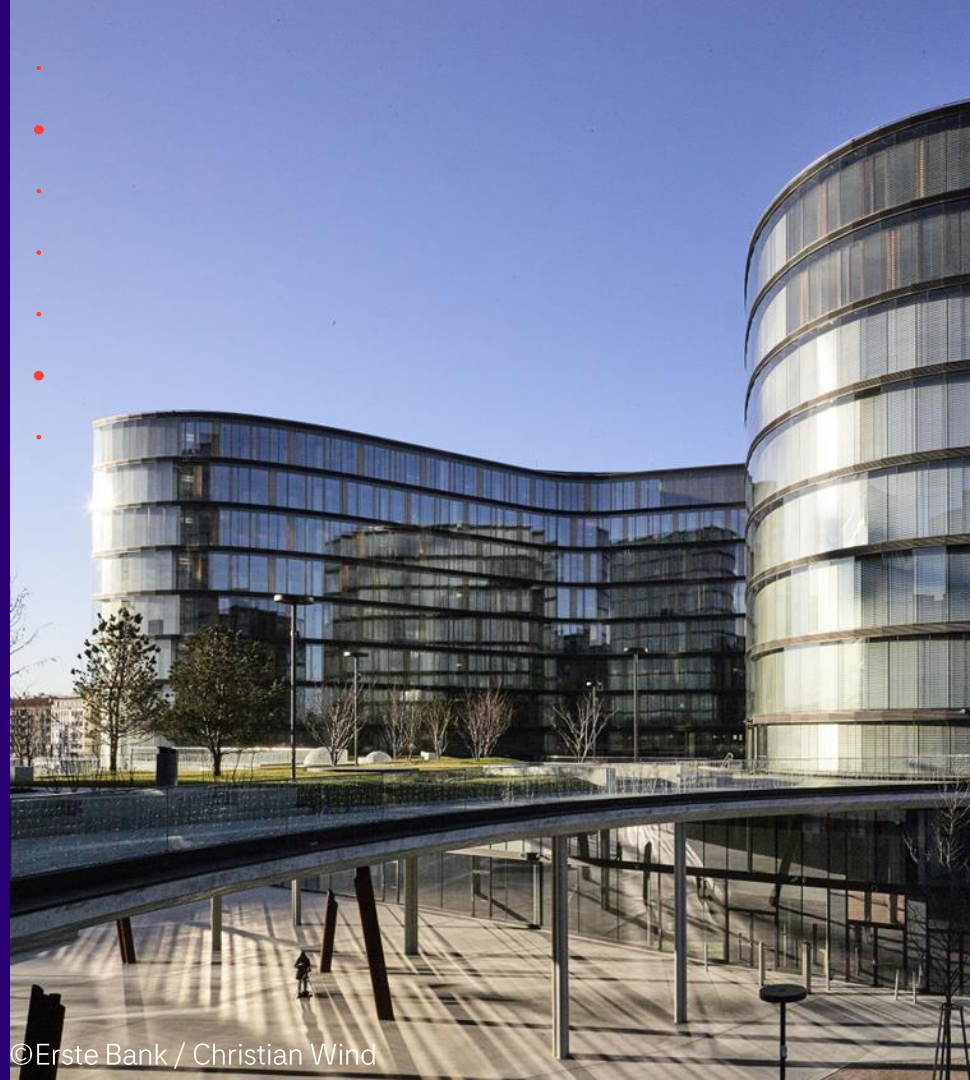
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Thank you

christoph.hammer-dumont@tietoevry.com
anne.marchal@tietoevry.com



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