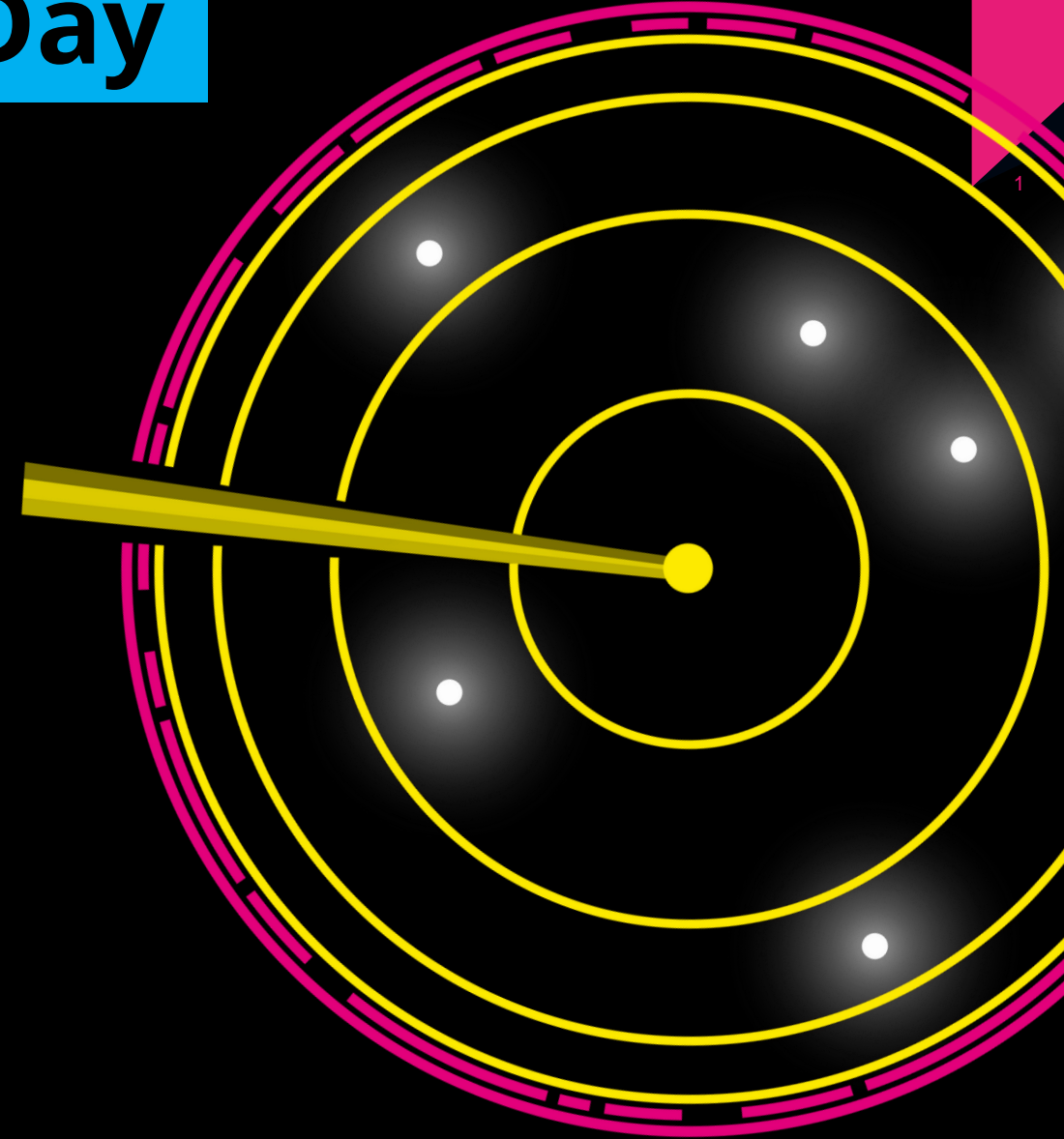


Data Spaces Discovery Day

October 19, 2023 | Vienna

Green Deal Data Space

Reinhold Achatz
IDSA



A detailed view of the central portion of Michelangelo's famous fresco, 'The Creation of Adam'. It shows the hand of God on the right, reaching out towards the hand of Adam on the left. The two hands are just inches apart, creating a sense of tension and divine spark. The background is a light, cracked stone surface.

We support Resilience and Sustainability Green Deal Data Space

2023 October 19th

Dr.-Ing. Reinhold Achatz

President & Chairman International Data Spaces Association
Board Member & Vice Chairman Green Deal Data Space



Green Deal Dataspace

Resilience & Sustainability

An open, federated ecosystem for Resilience and Sustainability:

Towards the optimization of circular economy and
transparency of supply chains.

First Lighthouse-Projects:

- **Supply Chain Radar**
- **Carbon-Footprint Data-Sharing**

- + Cross-domain Dataspace
- + Based on IDS/GAIA-X Standards
- + Open for all, Non-Profit
- + A driver for innovative and data-based new business models
- + A data marketplace with more than 2 Million Datasets
- + A community tool for exchanging ideas and finding partners
- + Integrated online AI-Workbench
- + Secure Data-Sharing Project-Rooms
- + Trusted Data Hub: Privacy Preserving Multiparty Data-Sharing Tool

Federated Services: Supply Chain Radar

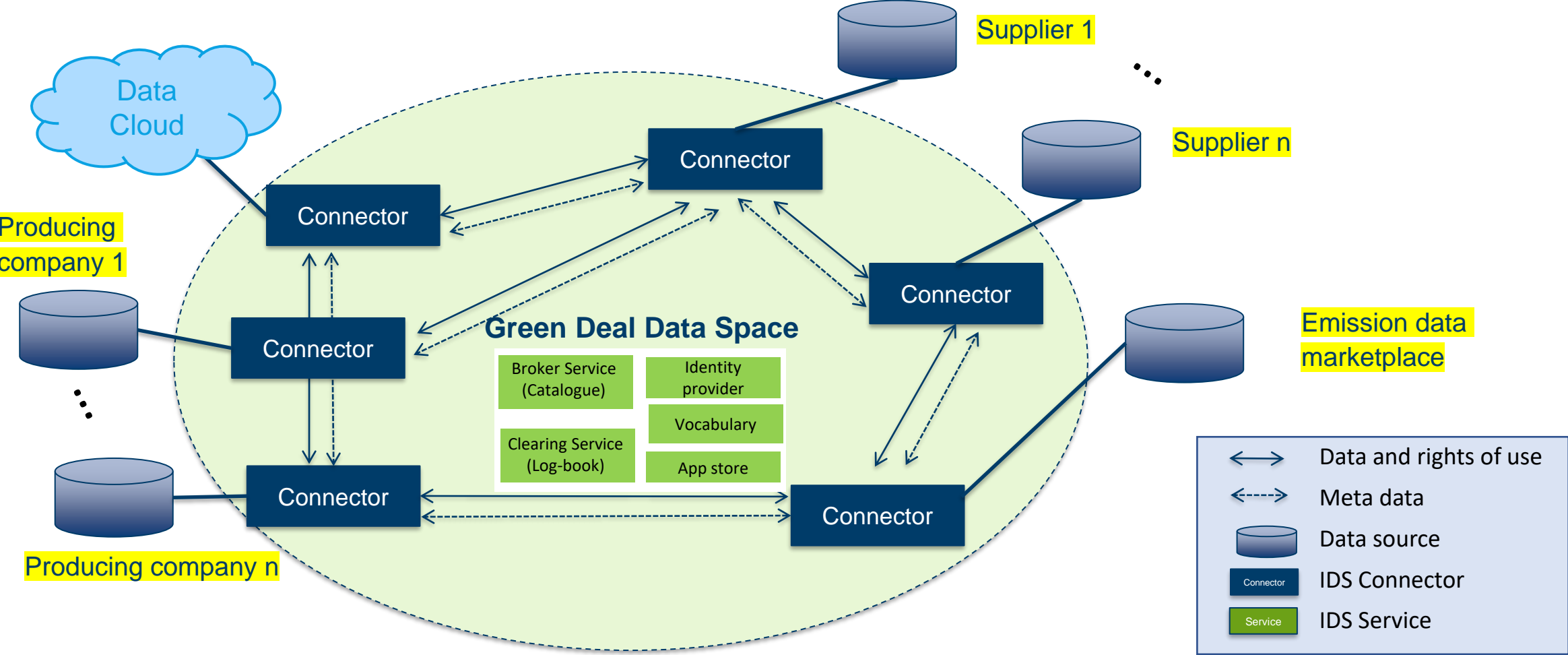
Manage crises efficiently and proactively with AI-supported strategy

- + Early crisis detection
- + Warning of possible crisis scenarios and their individual risks
- + Individual recommendation and iterative optimization of crisis management measures



Data Spaces – a new paradigm to share data

Structure of a distributed Data Eco System



The Green Deal Data Space offers a trusted environment for open and sovereign data exchange

Paris agreement from 2015 proposes to strive for the 1.5-degree target

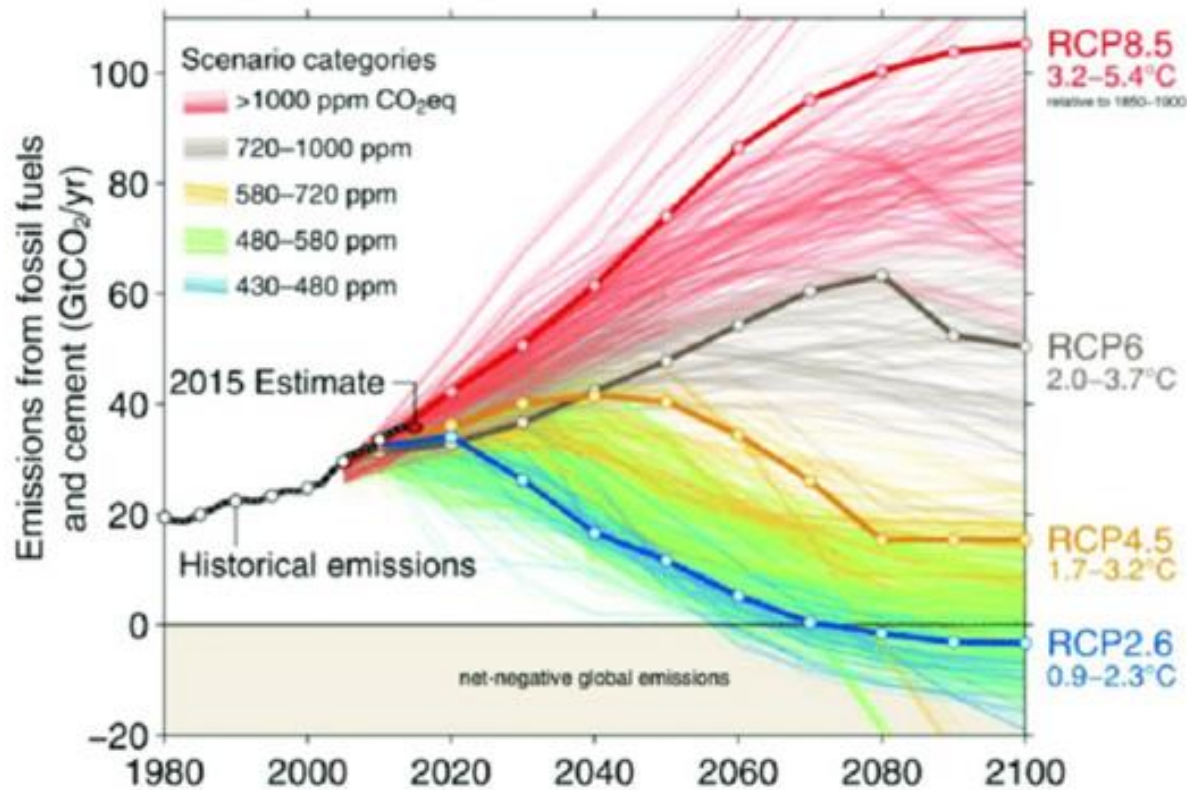


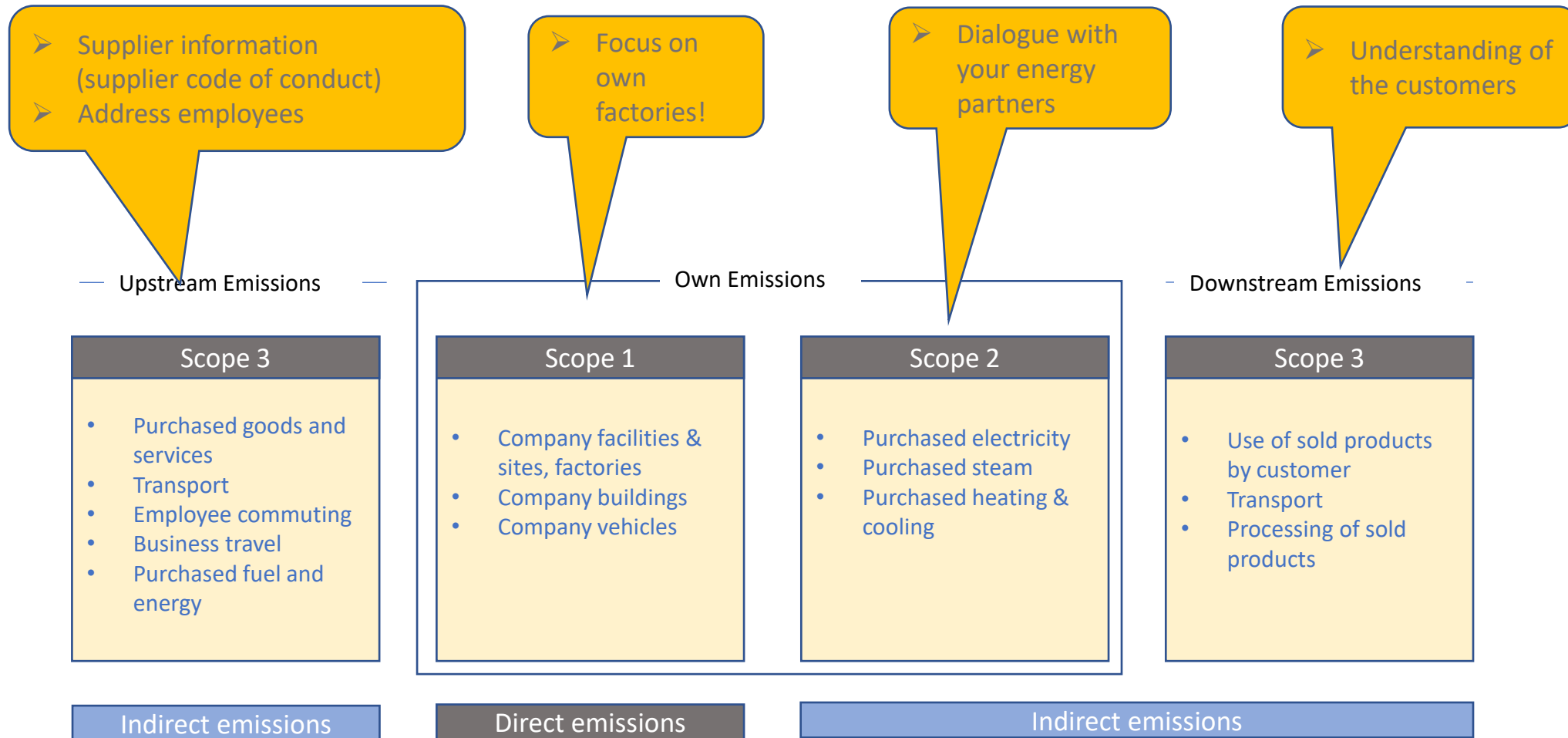
Chart: Source SBTi



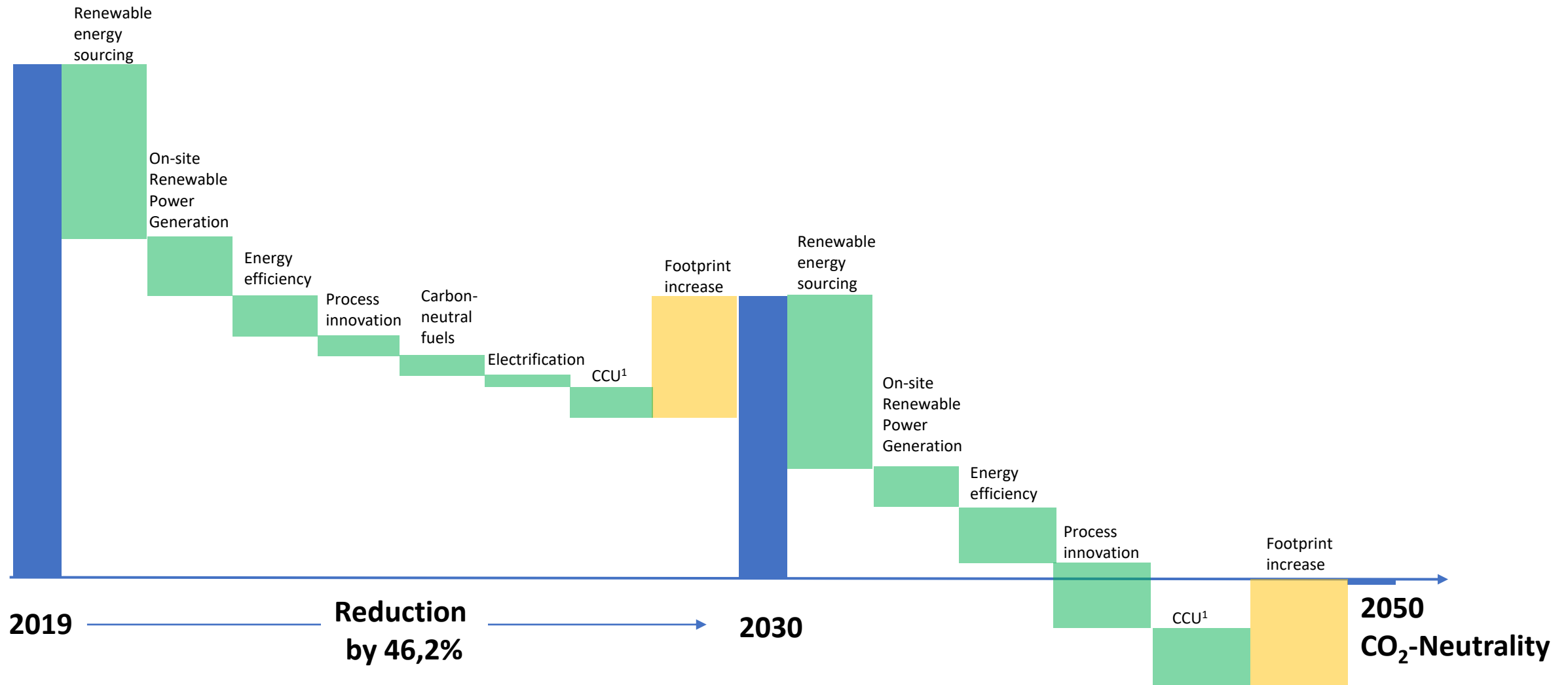
- ✓ The Science Based Target initiative (SBTi) encourages companies to set ambitious targets and monitors the implementation.
- ✓ Objective is carbon neutrality by 2050!

Emission Baseline (Scope 1,2 and 3)

Only when the full life cycle is taken in consideration, you get a realistic view



Visualization of steps to meet SBTi target scope 1 and 2



Green Deal Data Space to address scope 3 emissions – Use Case LCA

Supporting automated Life Cycle Assessment (LCA) based on IDS

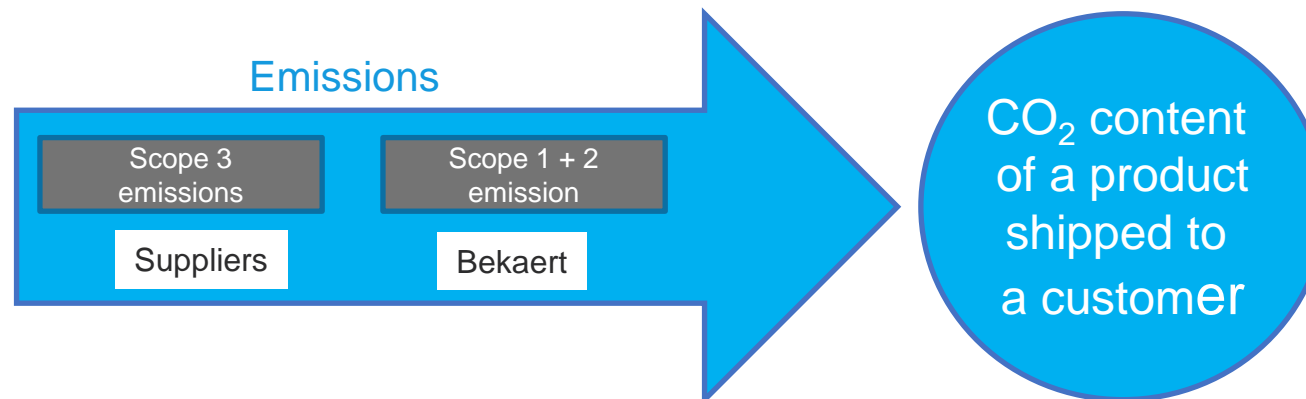


What problem do we want to solve with this use case?

EU Taxonomy and **customer requests** have initiated activities in companies to get a better understanding of the **life cycle emissions** of their products and solutions.

Companies need to look at their own emissions (scope1) and at the emissions of their energy suppliers (scope 2). In addition, they want to understand the emissions footprint which comes with the materials and products of their suppliers (scope 3 up-stream).

The sum of the scope 1, 2 and 3 up-stream emissions form the emission footprint of the product shipped to a customer.

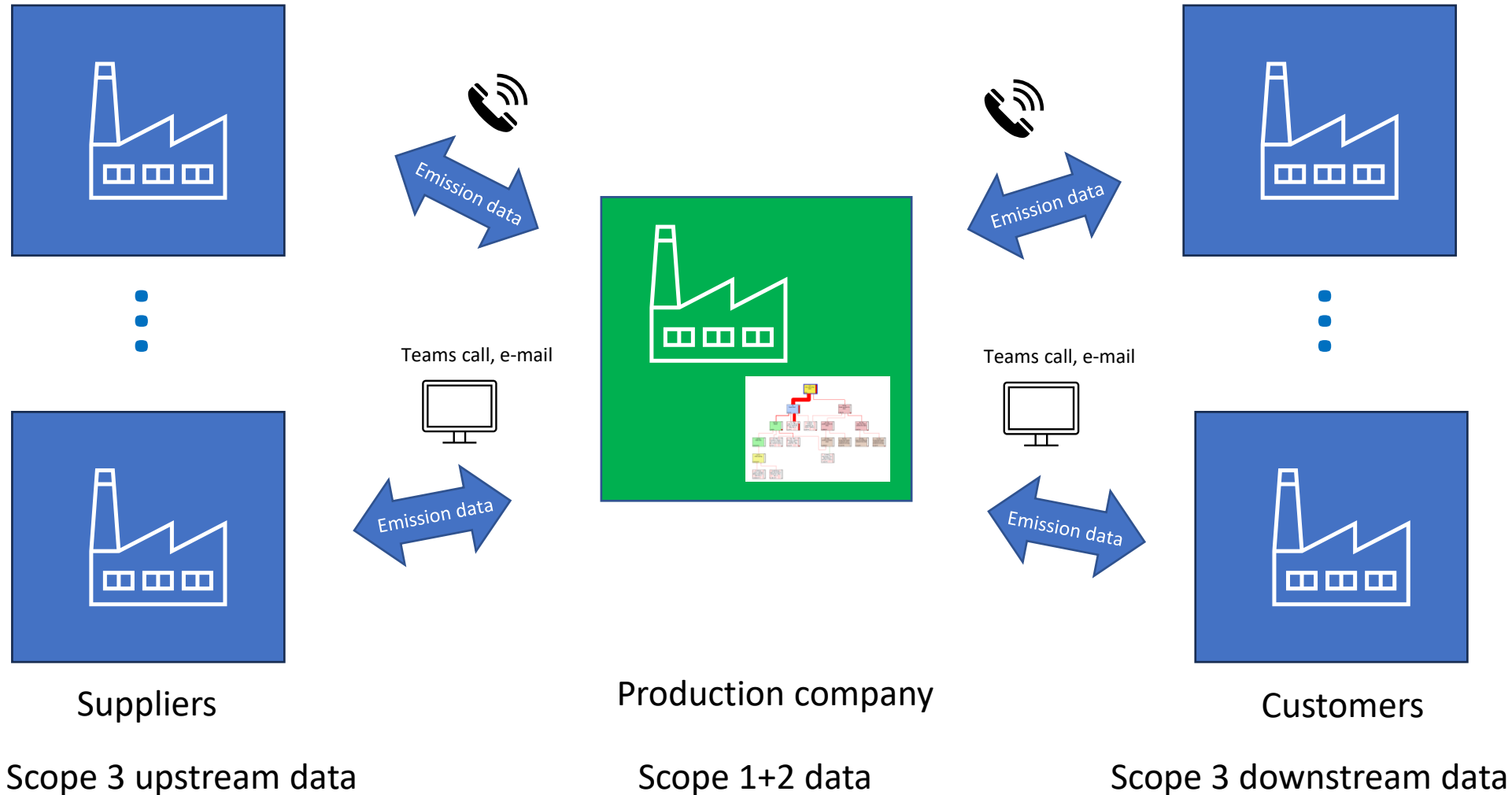


Emission data sharing with suppliers and customers (as is)

In the current set-up companies need to communicate with up to **10.000 partners** individually



As is Today!

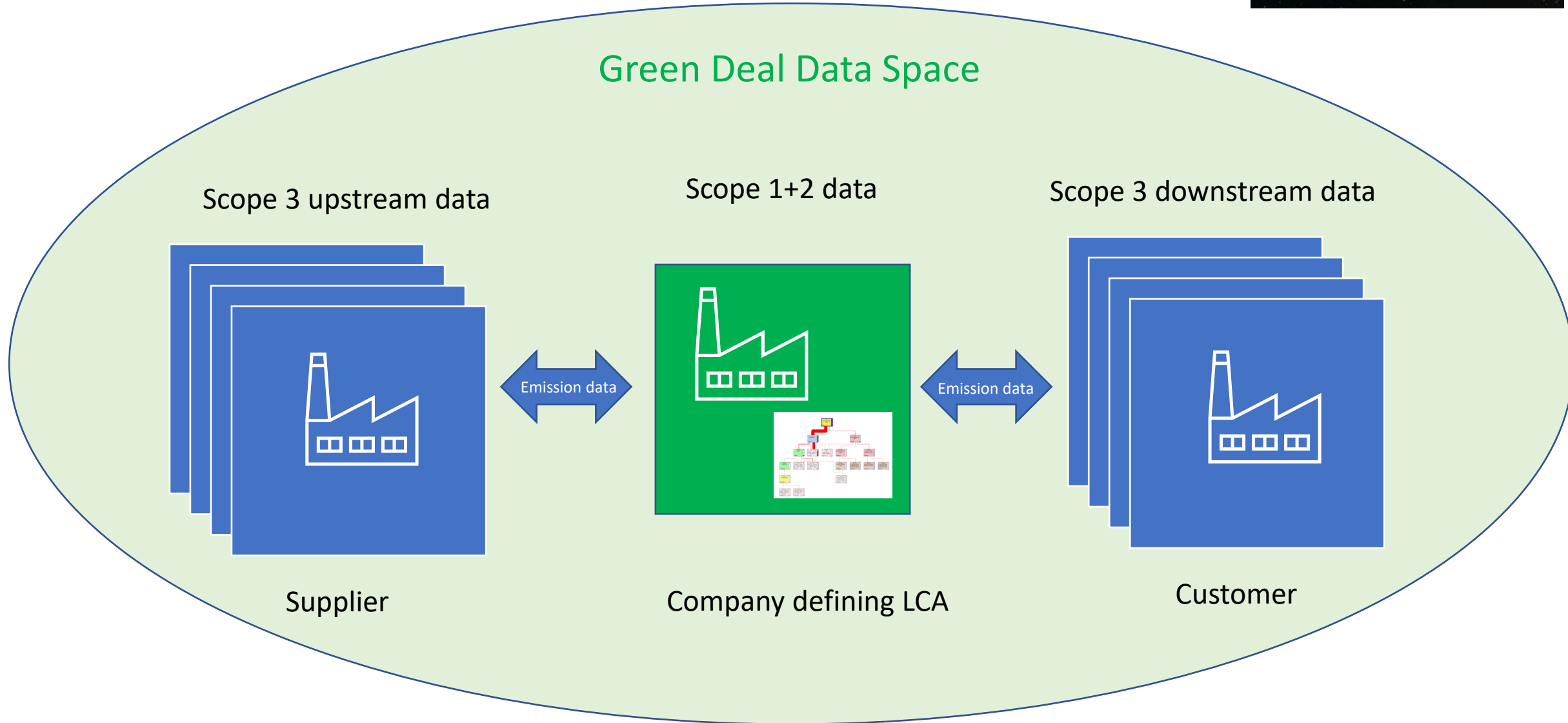


Green Deal Data Space – Use Case Example LCA

Supporting automated Life Cycle Assessment based on IDS with a standardized interface



Green Deal Data Space



How to leverage the value created by sustainability



- ✓ **Meet all reporting requirements**
- ✓ **Leverage the value of Sustainability, e.g., Carbon Value Pricing**
Customers are ready to pay more for sustainable products
- ✓ **Create or defend market share**
Sustainable products are more attractive
- ✓ **Increase customer loyalty**
- ✓ **Avoid “carbon tax”**
e.g., Carbon border adjustment mechanism



**Green Deal
Dataspace**
Resilience & Sustainability

**Thank you
for your attention**

Become a member

<https://green-deal-dataspace.eu/become-a-member>

Send us an e-mail to:

team@green-deal-dataspace.eu

