



GOOD MADE POSSIBLE

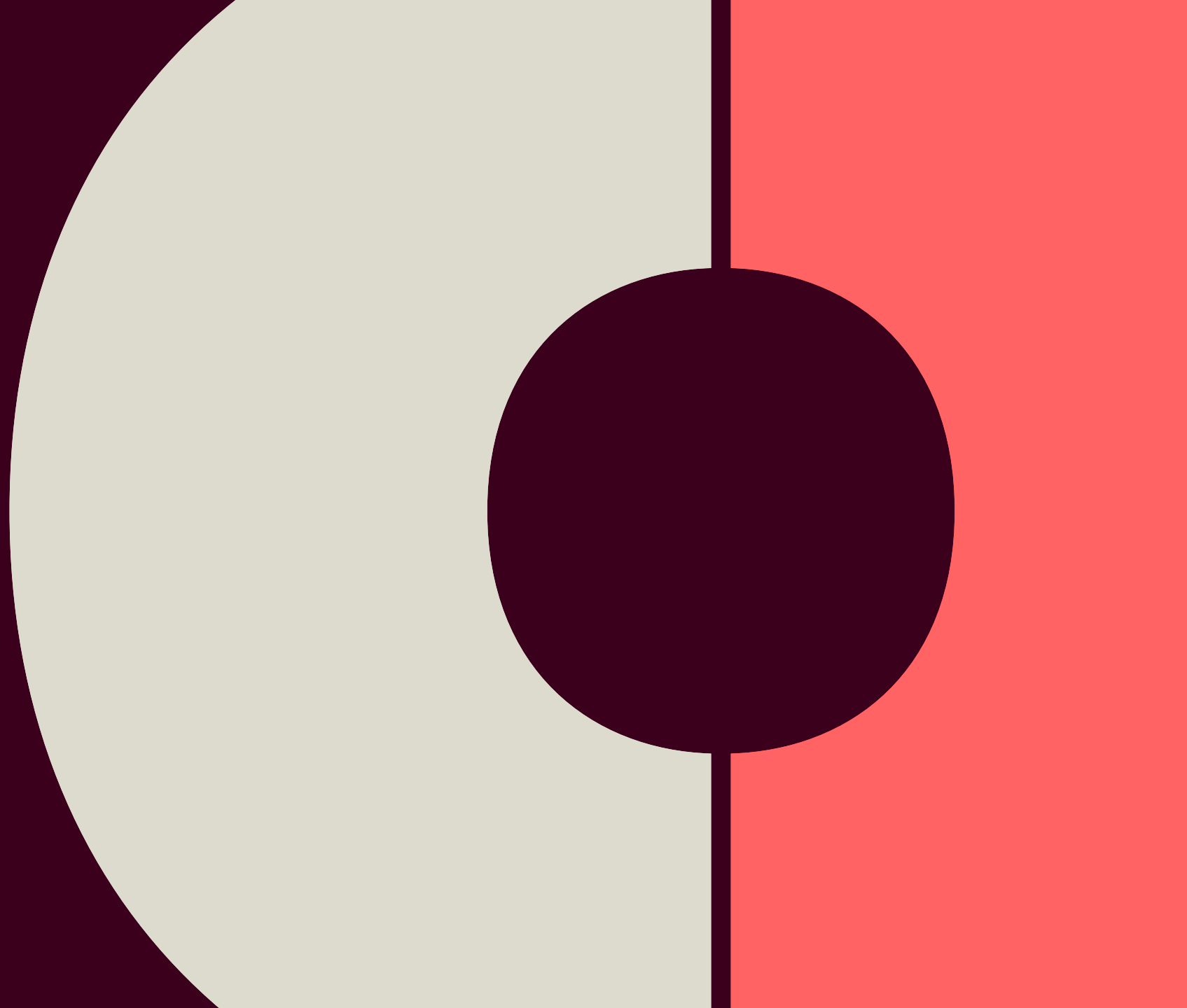
Assessing of an organisation's
readiness to automate and scale LCA,
including the maturity to leverage AI

- 01 Intro IPOINT & LCA Automation Approach
- 02 LCA & PCF Automation Maturity Assessment
- 03 Deepdive 2 Perspectives
- 04 Assessment Result & Open Questions



01

IPOINT

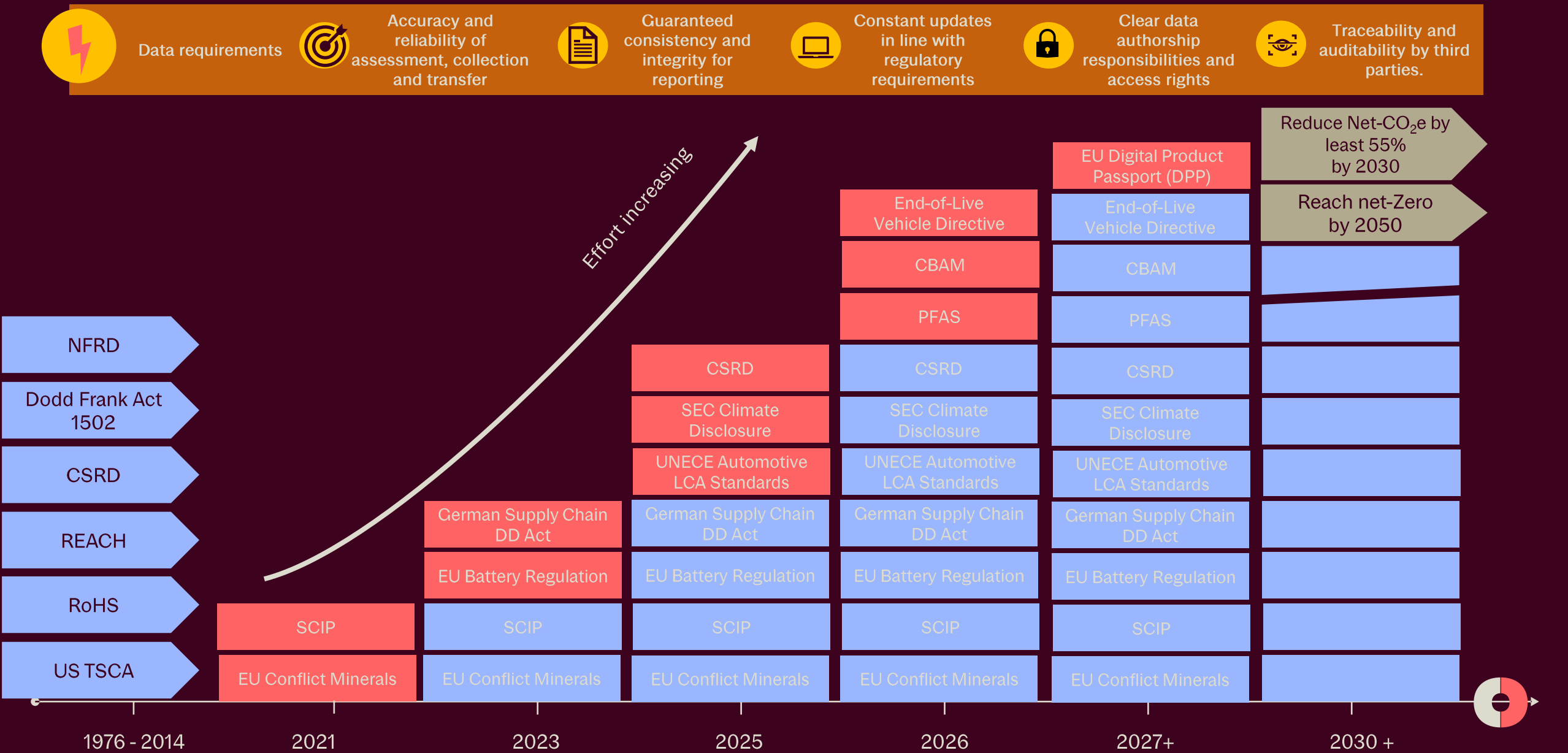


THE CHALLENGE

Companies struggle to obtain and validate the right data to meet their reporting requirements, given high levels of complexity in their products and supply chains.

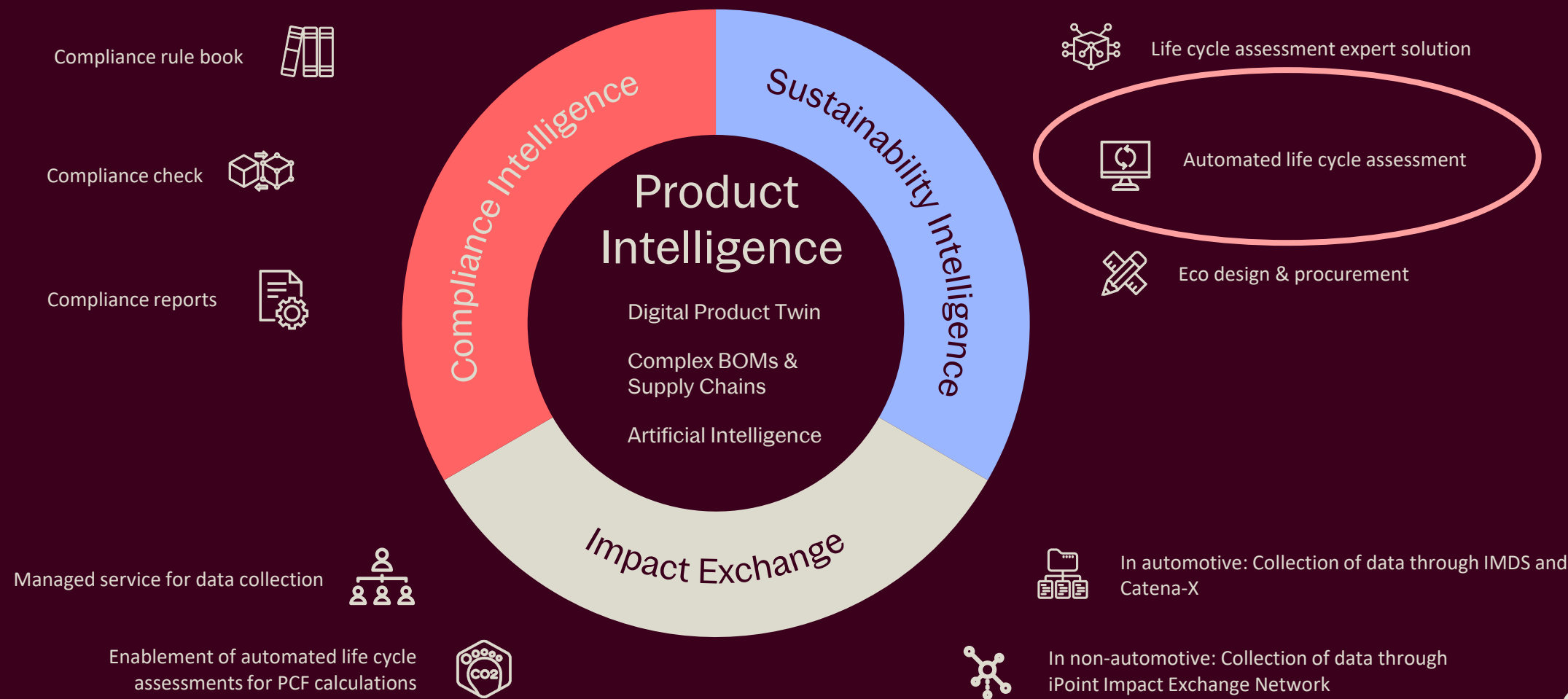


Regulatory pressure is increasing and sustainability requirements add additional complexity – manual solutions are no longer viable.



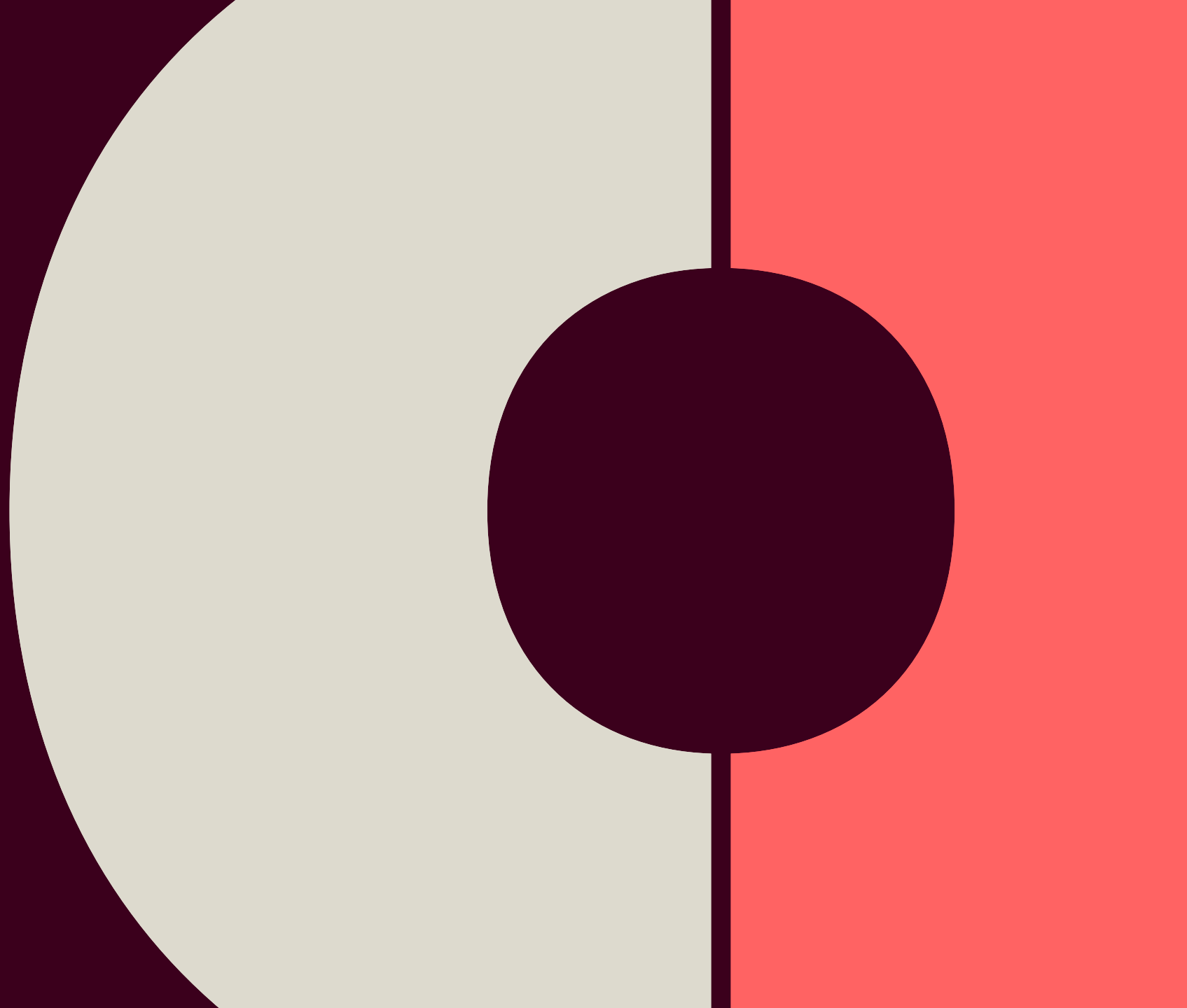
OUR APPROACH

We solve this problem with IMPACT INTELLIGENCE™, an integrated solution that combines multiple data sources, automates complex processes, and enables efficient collaboration serving both compliance & sustainability needs.



02

LCA Automation Maturity Assessment



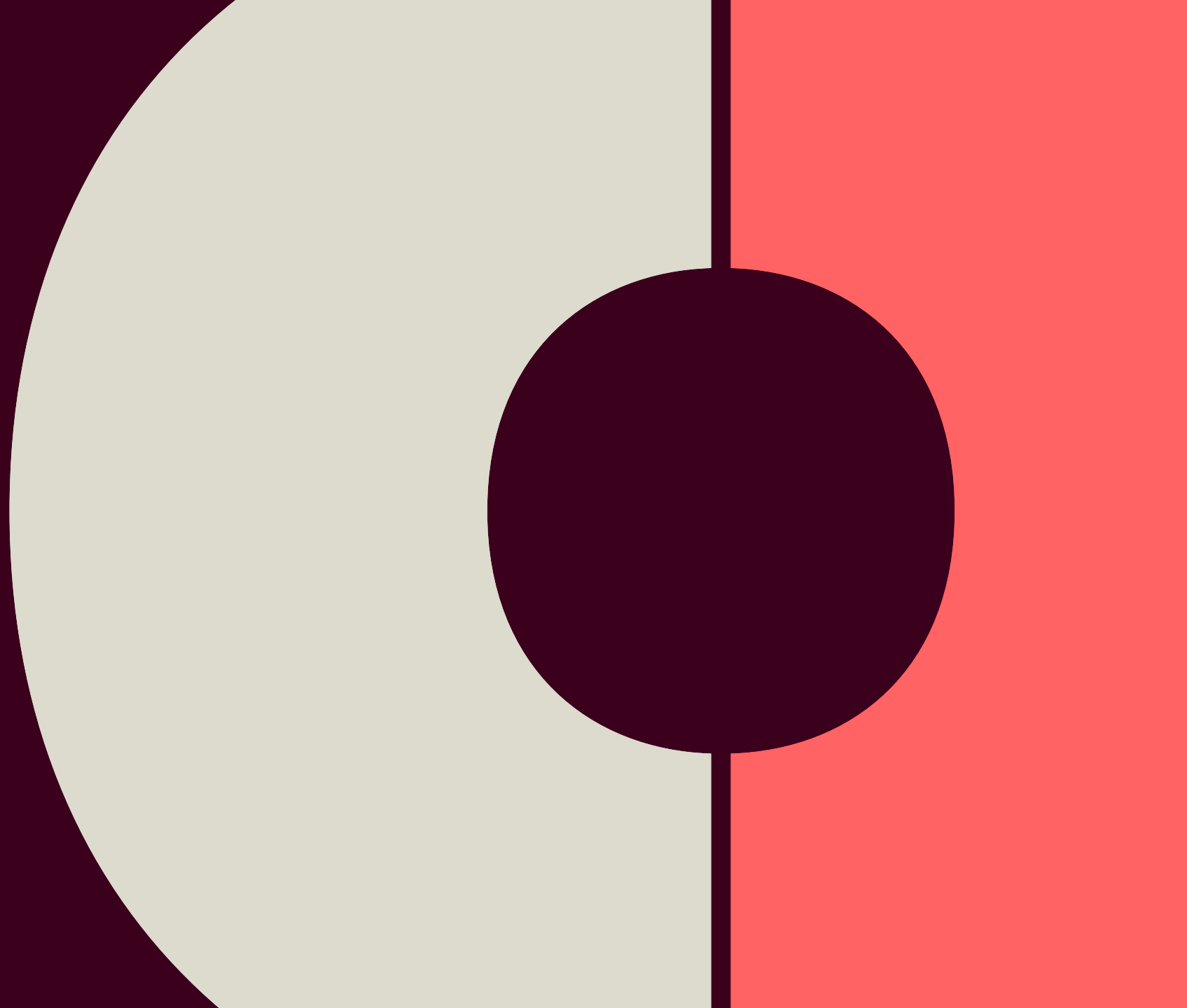
Intro: Maturity Assessment (MA) LCA Automation

1. Organizational Strategy
2. Clarity of Objectives
3. Project experience and management
4. Responsibilities
5. LCA Experience
6. LCA Scoping & Change Management
7. Definition of scenario, done, success, use case
8. Data & System Architecture
9. Data Management
10. LCA Data Governance
11. Supplier Data Integration



03

Deepdive 3
Perspectives
Result-Example



Organizational Strategy

Questions



Regulations and Requirements that apply to the Organization medium and long-term reflected in the company's strategy – if applicable: a dedicated Sustainability Strategy.

Questions:

- How is sustainability reflected in your organizational strategy?
- How is your strategy related to products?

Perspective: Organizational Strategy

Scoring Framework

How is sustainability reflected in your organizational strategy?	1: No Strategy in place	2: Company has strategy develop and communicated internally	3: Company has communicated sustainability strategy to customers and public	4: Sustainability Strategy communicated internally and externally and implementation is in progress	5: Strategy is implemented internally and externally and product strategy is aligned.
How is your strategy related to products?	1: no reference to products	2: selected products reflected/addressed by the strategy	3: Product portfolios have been assessed regarding strategy relevance	4: KPIs on portfolio level introduced	5: KPIs in product development and including suppliers effective for monitoring progress on product level



LCA Data Governance



- Separated to different categories. BOM; Supplier; Distribution, etc..
- Definition of sources and their current status
- Level of accessibility (digital)
- Level of availability for data and measurement points on product level
- Level of reliability and consistency (e.g. accounting for allocation)

Questions:

- How does your data governance look like in terms of LCA relevant data?
 - How specific are the data on product & process level?
 - How is the accessibility?
 - How do you ensure reliability, consistency, and representativeness within data collection? -> Data quality rating



LCA Data Governance

Scoring Framework

How does your data governance look like in terms of LCA relevant data?	1:Data is partially stored on local devices. Data is unstructured and not complete	2:Data is somewhere stored. Also on local devices. Data is unstructured and not complete but most crucial data is available	3:Only small datagaps but data still unstructured and partially not available via the system	4: All data available in different systems but not connected or only manual access	5: All relevant data is available via ERP/TC/PLM etc. systems. Data is connected and retrievable
How specific are the data on product & process level?	1:No specific data is available	2:Some specific data is available for product or process level	3:Some specific data is available for product and process level	4: Product or process data is specifically available	5: Specific data on product and process level is fully available
How is the accessibility?	1:No accessibility	2:Basic accessibility	3:Good accessibility	4: Very good accessibility	5: All data needed is accessible
How do you ensure reliability, consistency and representativeness within data collection? --> Data Quality Rating	1:No DQ measures are taken	2:Importance of DQ is known but no detailed approach	3:A general approach on DQ is available and established	4: A well defined approach on DQ is available and established	5: Detailed approach for DQR is available and established to ensure reliability, consistency and representativeness



Data & IT System Architecture



- IT Infrastructure and connectivity
- Diversity of IT System Landscape across organization

Questions:

- How does the system-set-up look like?
 - How is data stored?
 - Which systems are in place?
 - How are they connected?
 - How do they differentiate between data and systems?
 - Do you have any plans for IT transformation and if so, how does it look like?



Data and IT Systems Architecture

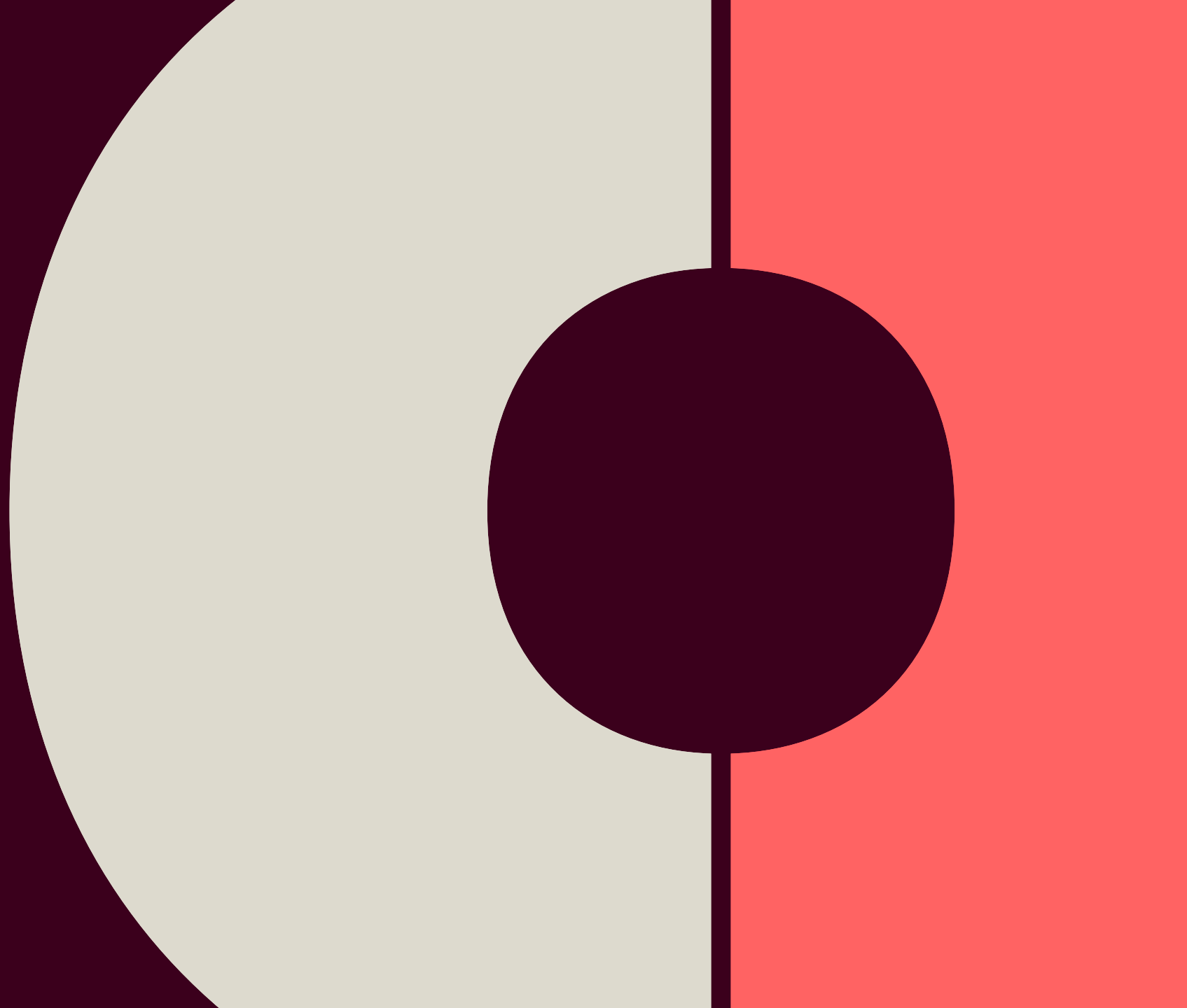
Scoring Framework

How does the system-set-up look like?	1: Heterogenous architecture with low connectivity and acessibility	2:It is planned to build an open architecture	3: There is rather open architecture connected through interfaces	4: The IT systems are accessible through interfaces and APIs. Private Cloud?	5: The IT systems are accessible through interfaces and APIs. Shared Cloud?
How is data stored?	1: No data storage concept is availalbe	2: Data storage concetp is available	3:Data storage concept is available and mostly digitally available or machine readable	4: structured and machine readable storage	5: Digital Storage Acessible and Structured
Which systems are in place?	1: No knowledge about the systems is available	2:Basic knowledge about the systems is available	3: There is a clear overview on the systems in place	4:There is a clear overview on the systems in place and they are digitally connected	5: There is full knowledge about the systems in place and interconnectivity is in place where needed.
How are they connected?	1: No connection	2:Some connection is possible	3: Connection is possible and realized where needed most	4: Systems are fully connected	5: Systems connection is established where needed
How do they differentiate between data and systems?	1: No differentiation is available	2:Some basic differentiation is available	3: Differentiation is done for most important aspects	4: There is a clear differentiation between data and systems	5: There is a clear differentiation between data and systems as well as clear integration for different use cases
Do you have any plans for IT transformation and if so, how does it look like?	1: No plans	2:Plans for IT transformation in the future	3: Clear plans on IT transformation	4: Clear plans on IT transformation and the transformation is taking place	5: Clear actions on IT transformation and they entire process is well defined



04

Example Results & Open Question



Maturity Score per perspective

Score 1 (lowest maturity) - Score 5 (highest maturity)



Perspective	Score 1	Score 2	Score 3	Score 4	Score 5
1 Organizational Strategy					
2 Clarity of Objectives					
3 Project experience and management					
4 Responsibilities					
5 LCA Experience					
6 LCA Scoping & Change Management					
7 Definition of scenario, done, success, use case					
8 Data & System Architecture					
9 Data Management					
10 LCA Data Governance					
11 Supplier Data Integration					



Maturity Score self-assessment vs IPOINT

Score 1 (lowest maturity) - Score 5 (highest maturity)



Maturity Assessment benefits

Clear understanding of the Gaps regarding readiness to scale and automate LCA & PCF:

- LCA/PCF Data availability & accessibility
- Organisational readiness (targets, responsibilities, IT project mgmt. ...)
- Digital & AI maturity (internal, external IT systems connectedness)



Thank you & Open Questions



*follow me on
LinkedIn*

IPOINT

Martina Prox
Director Sustainability Strategy

info@ipoint-systems.com

