Corporate Sustainability Reporting Simplified

GenAI for Sustainability

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Corporate Sustainability Reporting Simplified (CSRS)

SAP BTP and Business AI

About

Corporate Sustainability Reporting Directive (CSRD) aims to improve the transparency and consistency of environmental, social, and governance (ESG) reporting by companies within the European Union. It may cover a wide range of sustainability-related aspects that businesses should report on. LEs will start from 2024, followed by medium-sized enterprises, and then SMEs will follow in 2027.

AI-Powered Compliance: Meeting EU Standards with Automated Precision.

September 2023

SAP
Hack2Build
Generative AI

November 2023

Keynote
Philipp Herzig
SAP TechEd Bangalore

Since Q3/2023

Solution Development in
Collaboration with
SAP Co-Innovation Lab
Dresden

October 2024

SAP Validated Partner
Use Case (VPUC)

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Current situation

CSRD is coming: mandatory EU reporting on Sustainability

Over year 2025 (in 2026) The first companies to report are already reporting in 2025 for FY 2024 (those are the companies already under NFRD)

50.000 companies directly affected, many more forced by the market

The CSRD introduces stringent European Sustainability Reporting Standards (ESRS), surpassing the current Non-Financial Reporting Directive (NFRD) in disclosure depth.

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To run the reporting, companies usually need to do the following

- **Data Collection**: Gather ESG data across operations.
- **Materiality Assessment**: Identify key ESG issues.
- **Metrics and Targets**: Set measurable ESG goals.
- **Data Verification**: Validate data accuracy.
- **Reporting Frameworks**: Use recognized standards.
- **Report Compilation**: Create comprehensive report.
- **Stakeholder Engagement**: Gather feedback.
- **External Assurance**: Third-party validation.
- **Publication and Communication**: Share report widely.
- **Continuous Improvement**: Enhance sustainability efforts.

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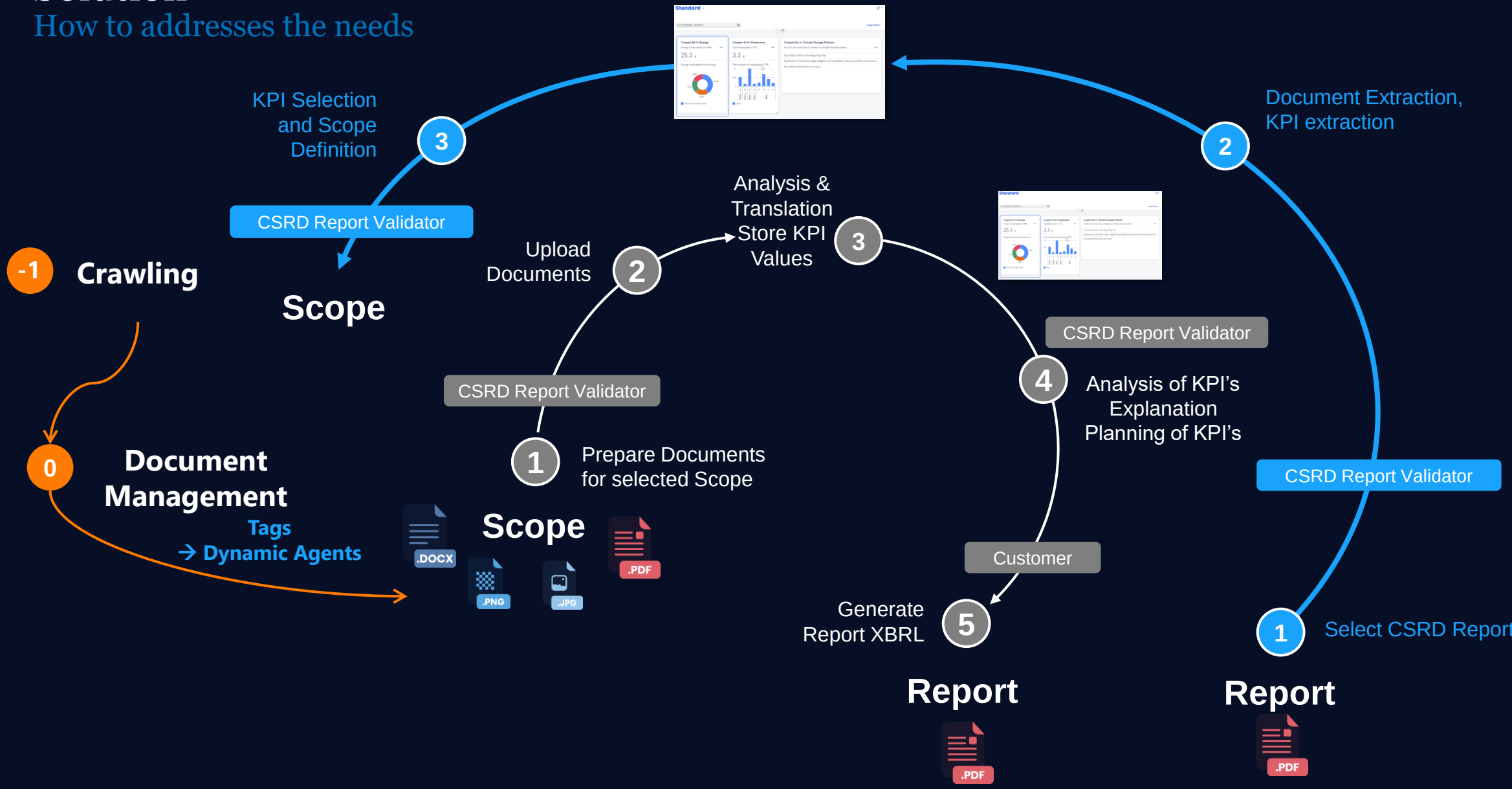
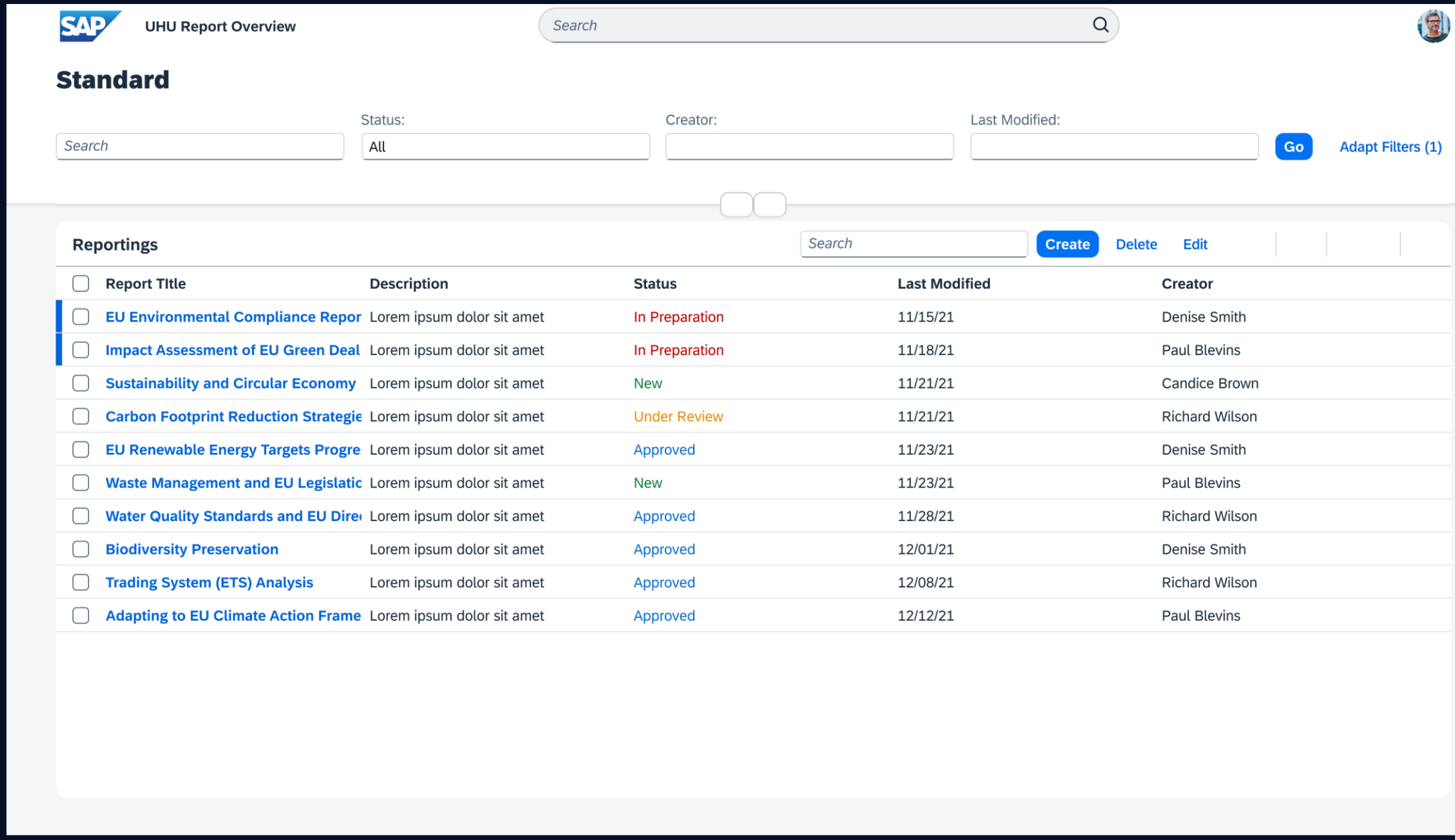
Solution

How to addresses the needs





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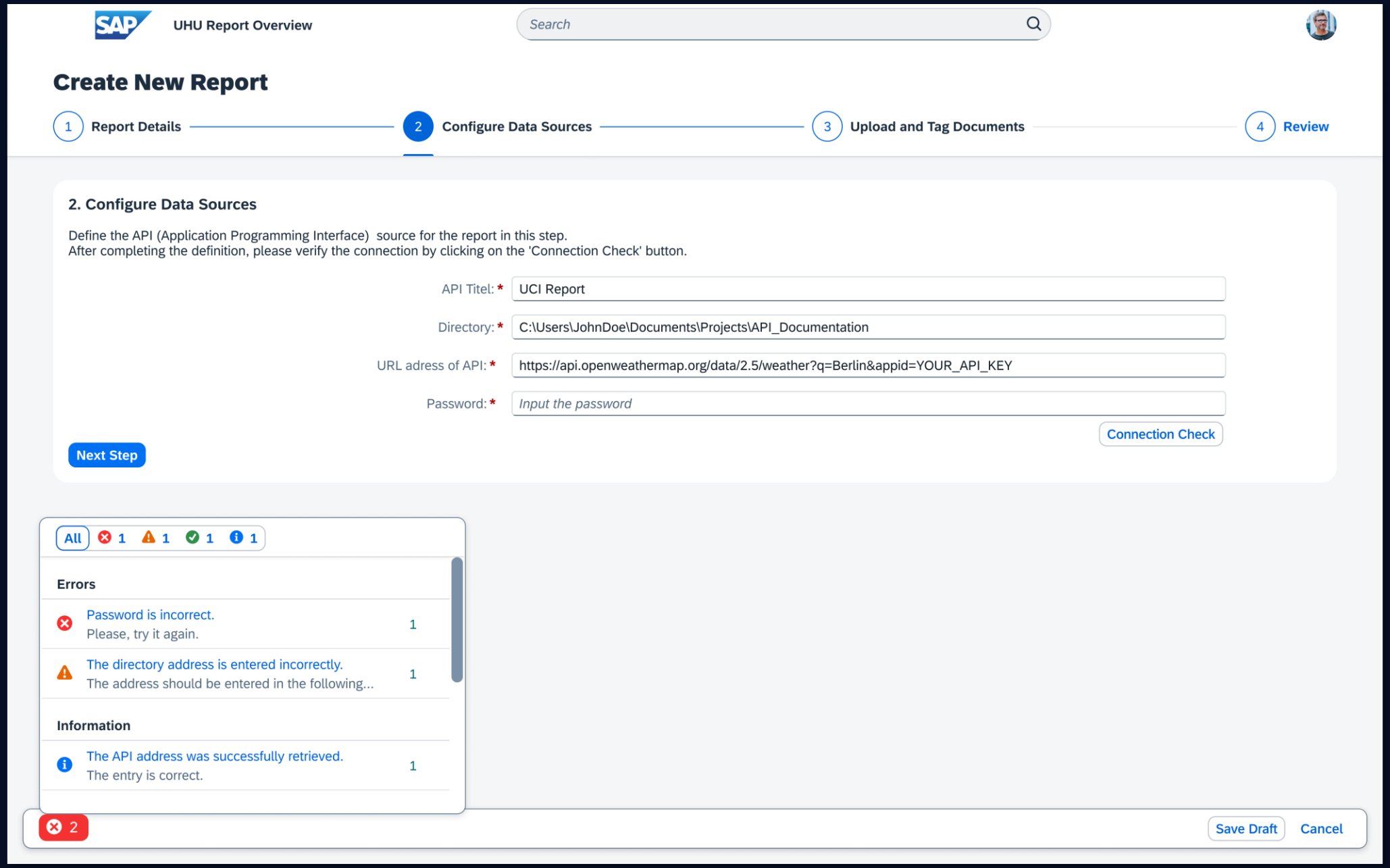

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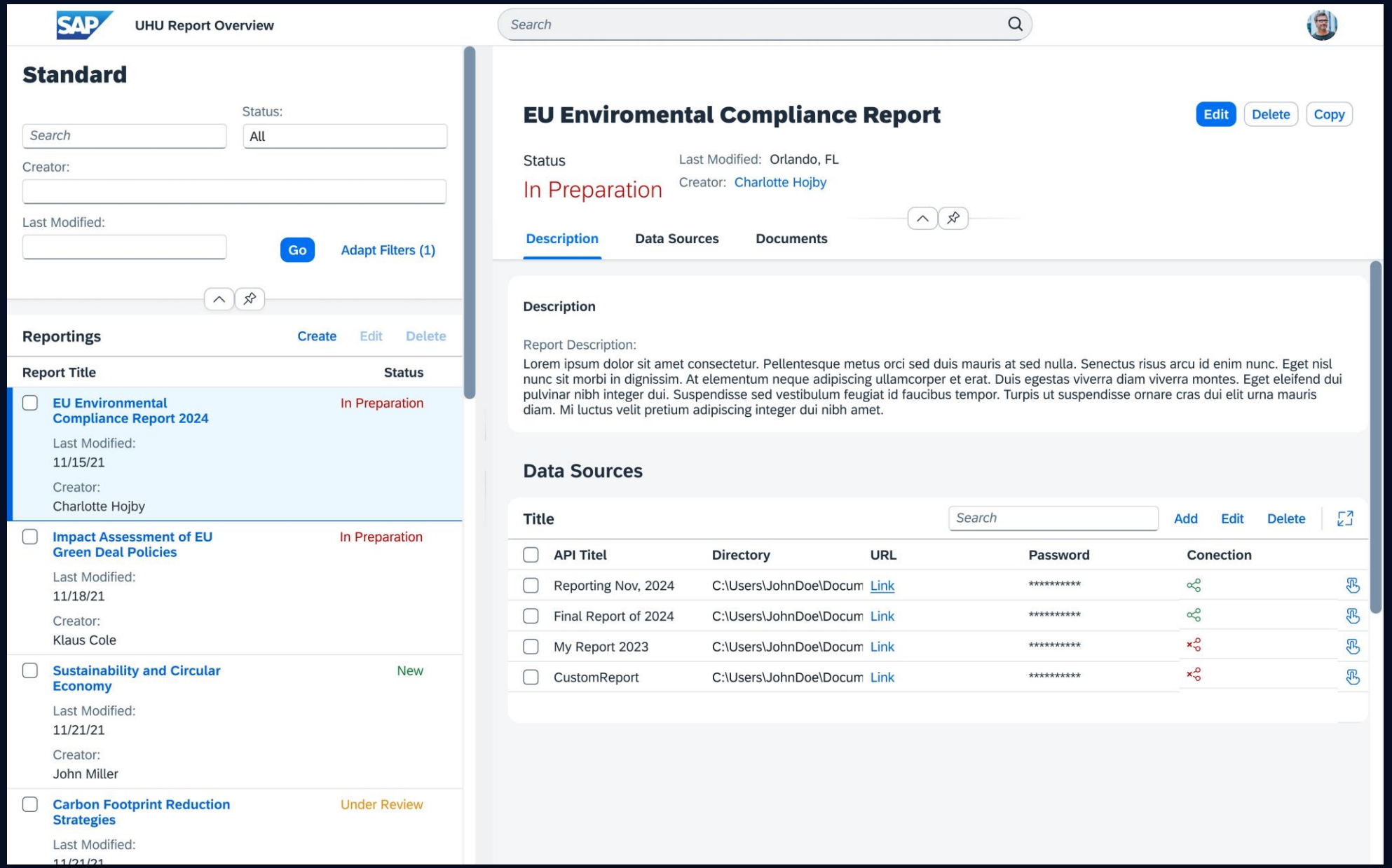

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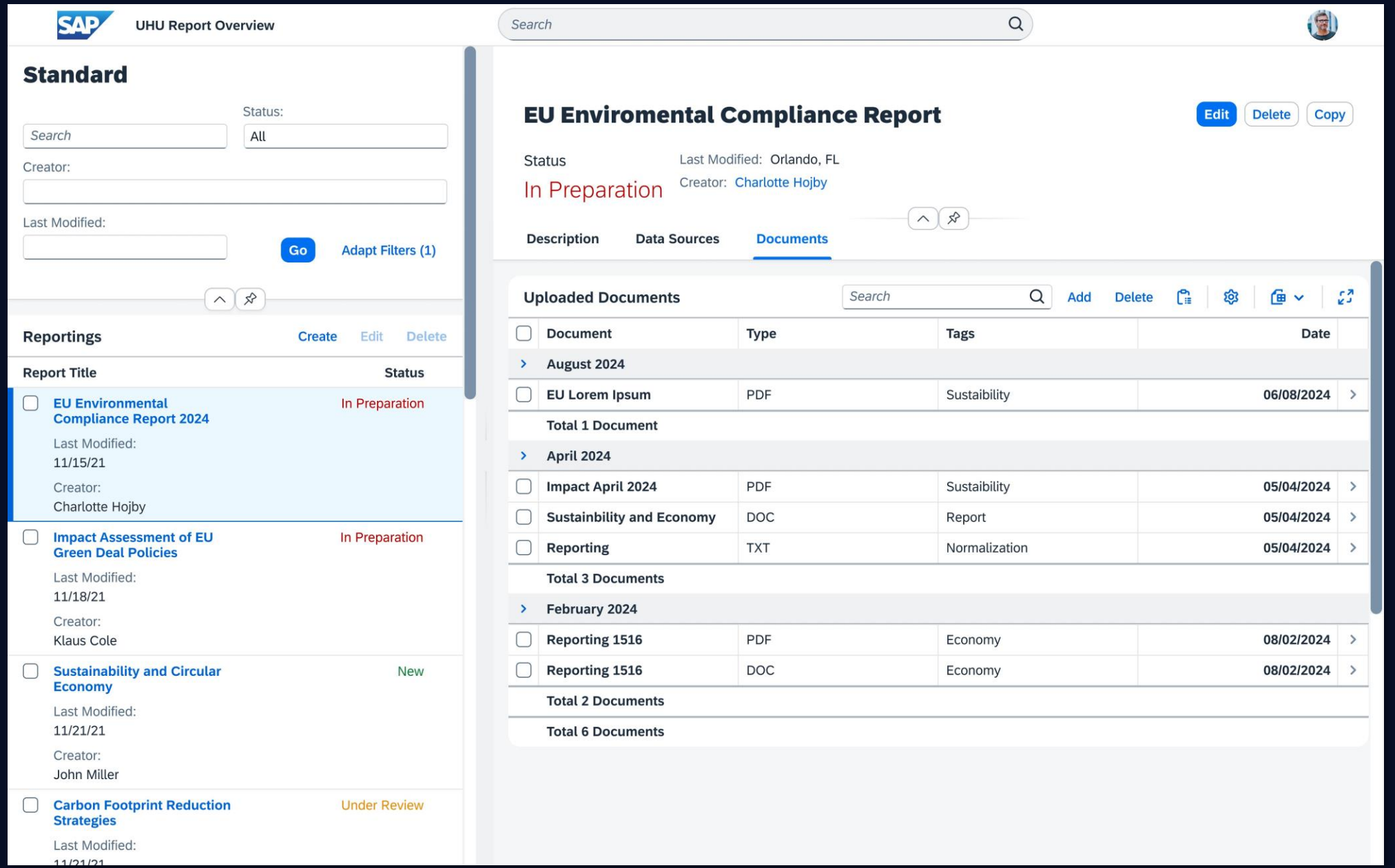

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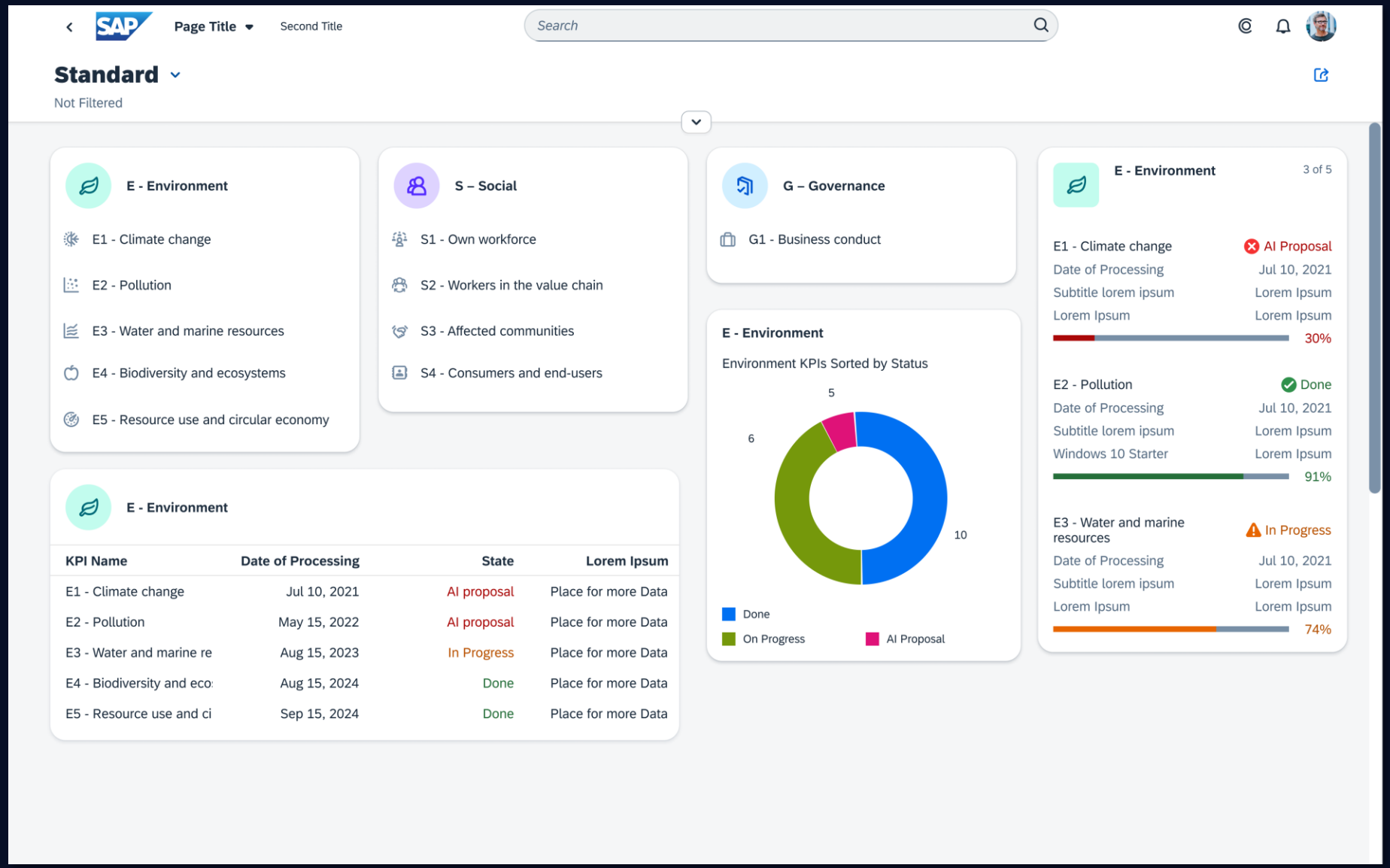

E - Environment
3 of 5
E1 - Climate change
AI Proposal
Date of Processing
Jul 10, 2021
E2 - Pollution
Done
Date of Processing
Jul 10, 2021
E3 - Water and marine resources
In Progress
Date of Processing
Jul 10, 2021

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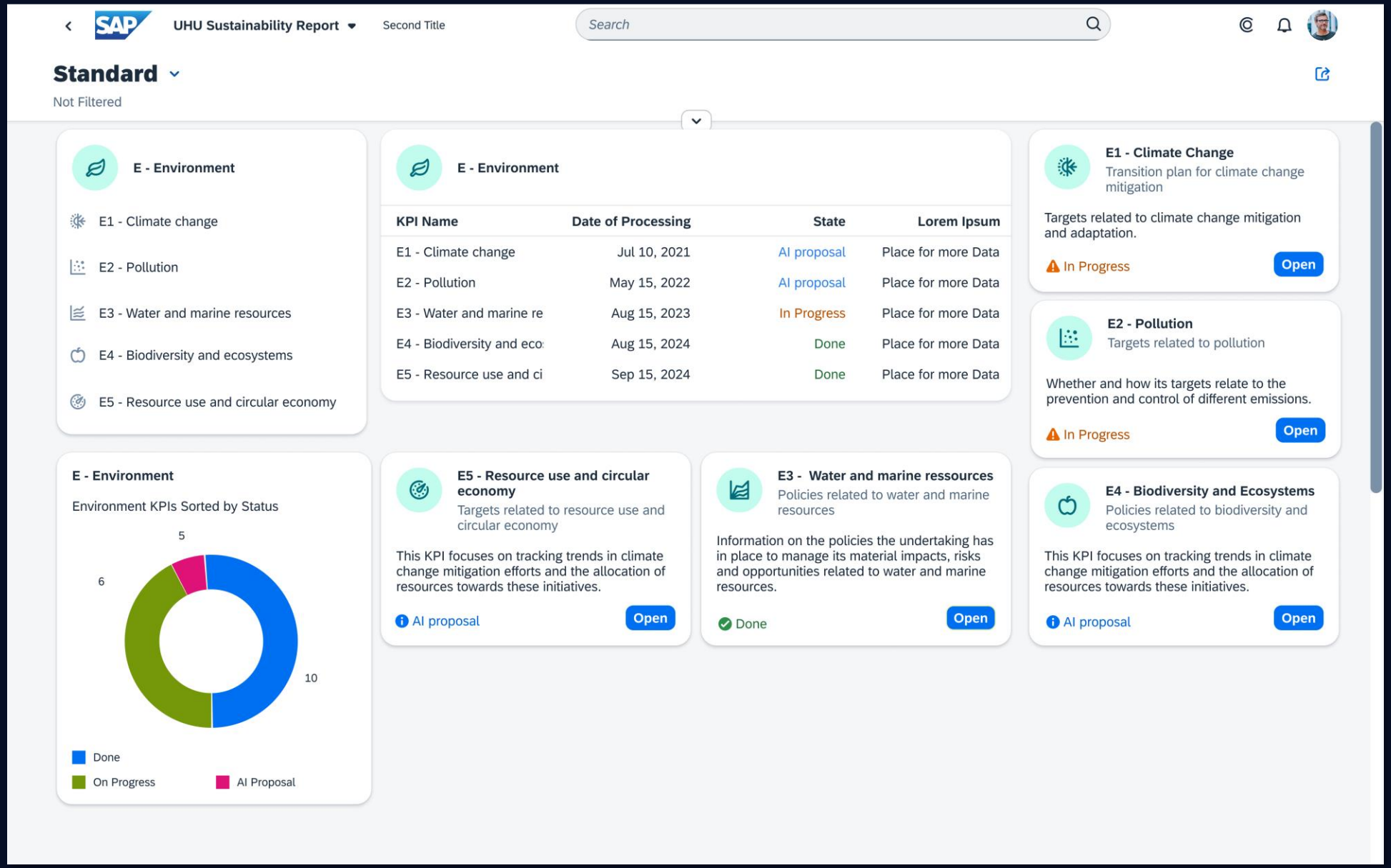
Team / Tiles for Enviroment



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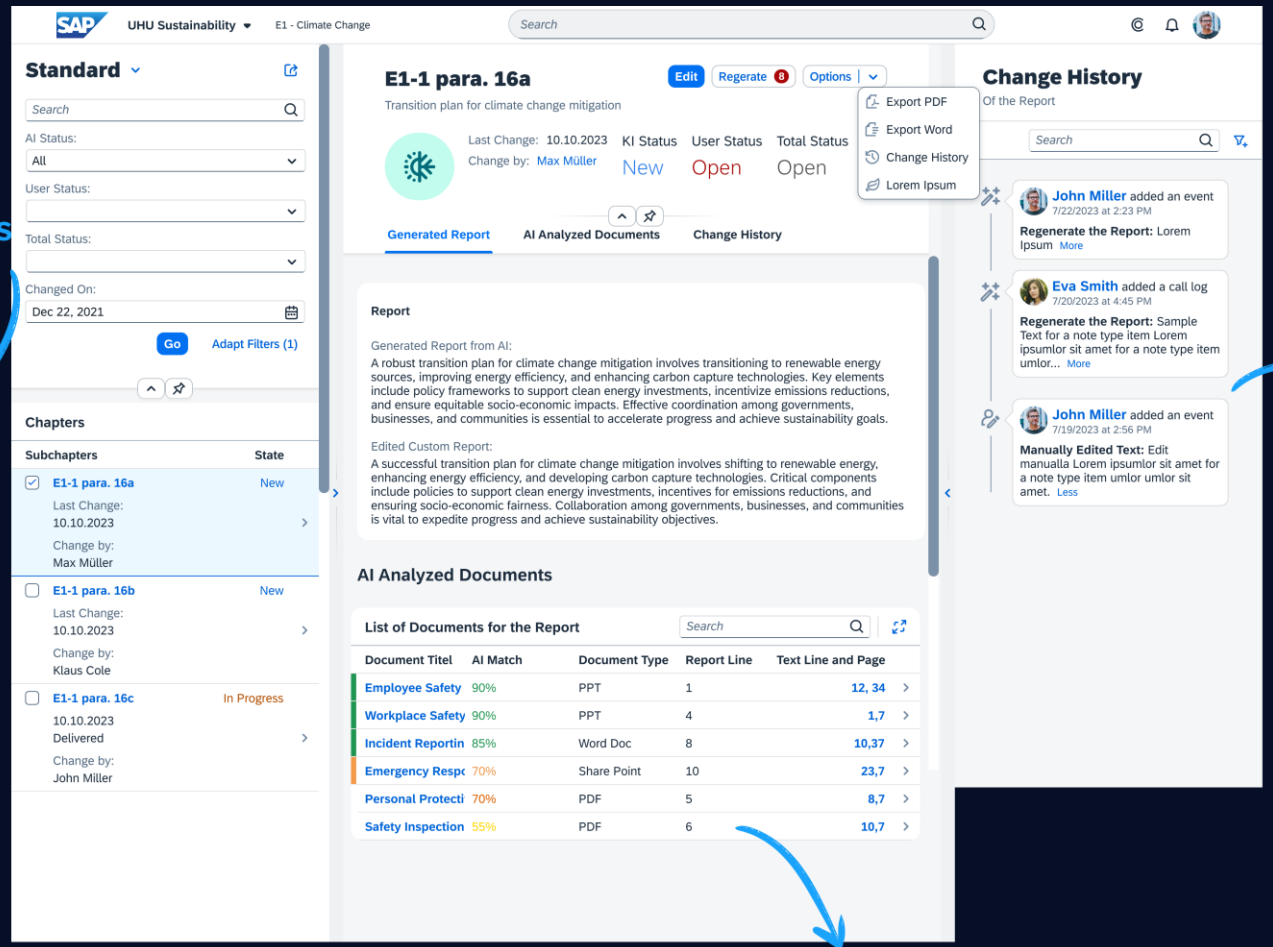
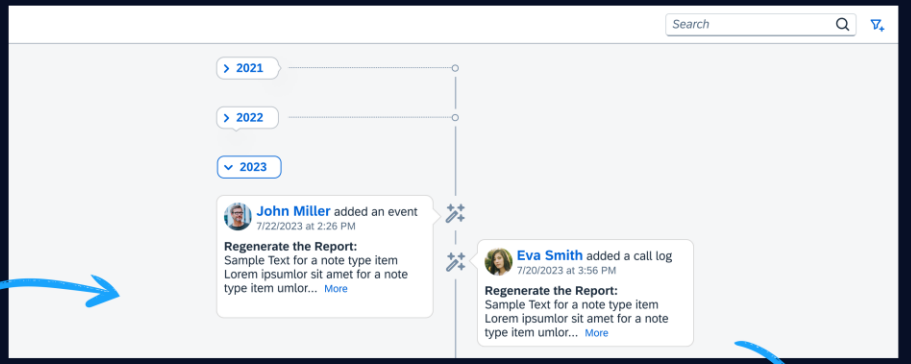
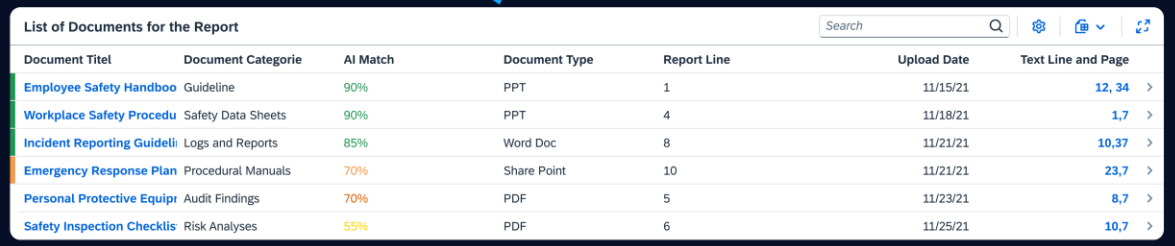
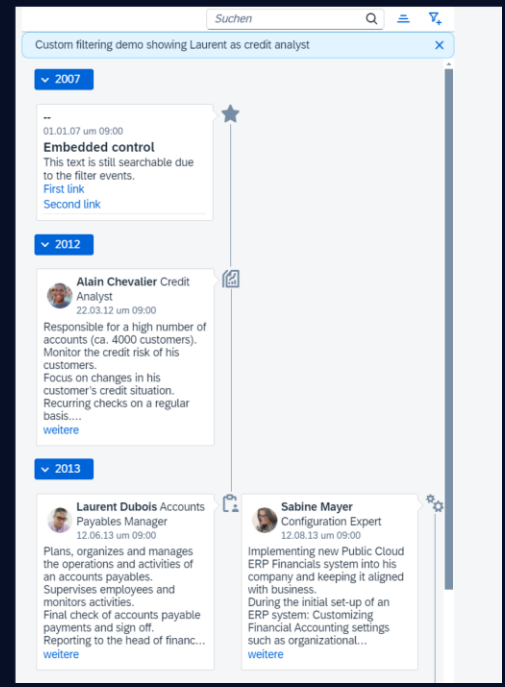




More Informations





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Examples of AI generated Sustainability Report

			avoid impacts on affected communities, particularly concerning water and marine resources. Our approach is deeply rooted in collaboration and co-innovation, ensuring that our operations do not adversely affect local communities. As highlighted by Vang Jessen, our structured program, LACE (Land, Adopt, Consume, Expand), emphasizes not only the provision of cloud software but also its optimal usage, ensuring that our customers benefit fully from our solutions (NDBS_Annual Report 2020, p. 20). This model fosters a triangular relationship between SAP, NTT DATA Business Solutions, and our customers, aiming for mutual success and minimizing any negative
E3-1		Chapter: Own workforce Sub-Chapter Topic: Processes for engaging with own workforce and workers'	In 2025, NTT DATA has continued to prioritize the engagement of its workforce and workers' representatives in managing the actual and potential impacts on its own workforce. This engagement occurs at multiple stages, including the initial planning, implementation, and review phases of various initiatives. The type of engagement includes regular surveys, focus group discussions, and town hall meetings, which are conducted on a quarterly basis to ensure continuous feedback and involvement from employees. For instance, during the
	S1-2_27b	Chapter: Business conduct Sub-Chapter Topic: Business conduct policies and corporate culture Datapoint: cover the following aspects related to the undertaking's policies on business conduct matters: beyond the procedures to follow-up on reports by whistleblowers in accordance with the applicable law transposing Directive (EU)2019/1937, whether the undertaking has procedures to investigate business conduct incidents, including incidents of corruption and bribery, promptly, independently and objectively;	At NTT DATA, we are committed to maintaining the highest standards of business conduct and corporate culture, as outlined in our comprehensive policies and procedures. Our approach to business conduct matters extends beyond compliance with the applicable laws transposing Directive (EU) 2019/1937 on whistleblower protection. We have established robust procedures to investigate business conduct incidents, including those related to corruption and bribery, promptly, independently, and objectively. For instance, our "Safe Workplace - Anti Sexual Harassment Policy" ensures that all complaints or information about sexual harassment are investigated thoroughly and confidentially, whether reported verbally or in writing. Investigations are initiated immediately and completed as soon as possible, with due process accorded to all involved parties to protect their rights to a fair and impartial investigation (Document: NDBS_Safe_workplace_Anti_Sexual_Harassment_Policy_EN.pdf, Page 13). Furthermore, our "Code of Conduct" mandates that all business activities be conducted in compliance with relevant laws and regulations, including anti-bribery and anti-corruption laws. We do not tolerate any form of bribery or corruption, whether in dealings with business partners, public officials, or third parties. Violations of these policies can lead to severe consequences, including the immediate termination of business relationships and disciplinary actions against employees, up to and including termination of employment (Document: NDBS_Code of Conduct_EN.pdf, Pages 6-7; Document: NDBS_Code of Conduct Conduct Suppliers_V1_published Version.pdf, Page 5). Our commitment to ethical business practices is further reinforced by our adherence to fair competition laws, insider trading regulations, and the protection of intellectual property. We ensure that all employees and business partners understand and comply with these standards, creating an environment that encourages ethical behavior and compliance with the Code of Conduct (Document: NDBS_Code of Conduct_EN.pdf, Pages 22-24). This comprehensive approach to business conduct not only safeguards our corporate values but also enhances our trust with society and supports our sustainable development.
	G1-1_10e		

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Instead of manual processing, GenAI is used to automate the process

- **Employ GenAI** to design an **automated procedure to collect all required documents & reporting standards** from customer systems and the CSRD specification
- Generative AI is used **to search, process and analyze the collected documents** to extract all relevant information for CSRD reporting.
- After AI driven parsing of the relevant information, **the CSRD responses are automatically generated** and calculated, visualized and the corresponding report is published.
- For validation and explain ability purposes, **the whole generation process can be made transparent to users** right down to the lowest level of which information was taken from which source.

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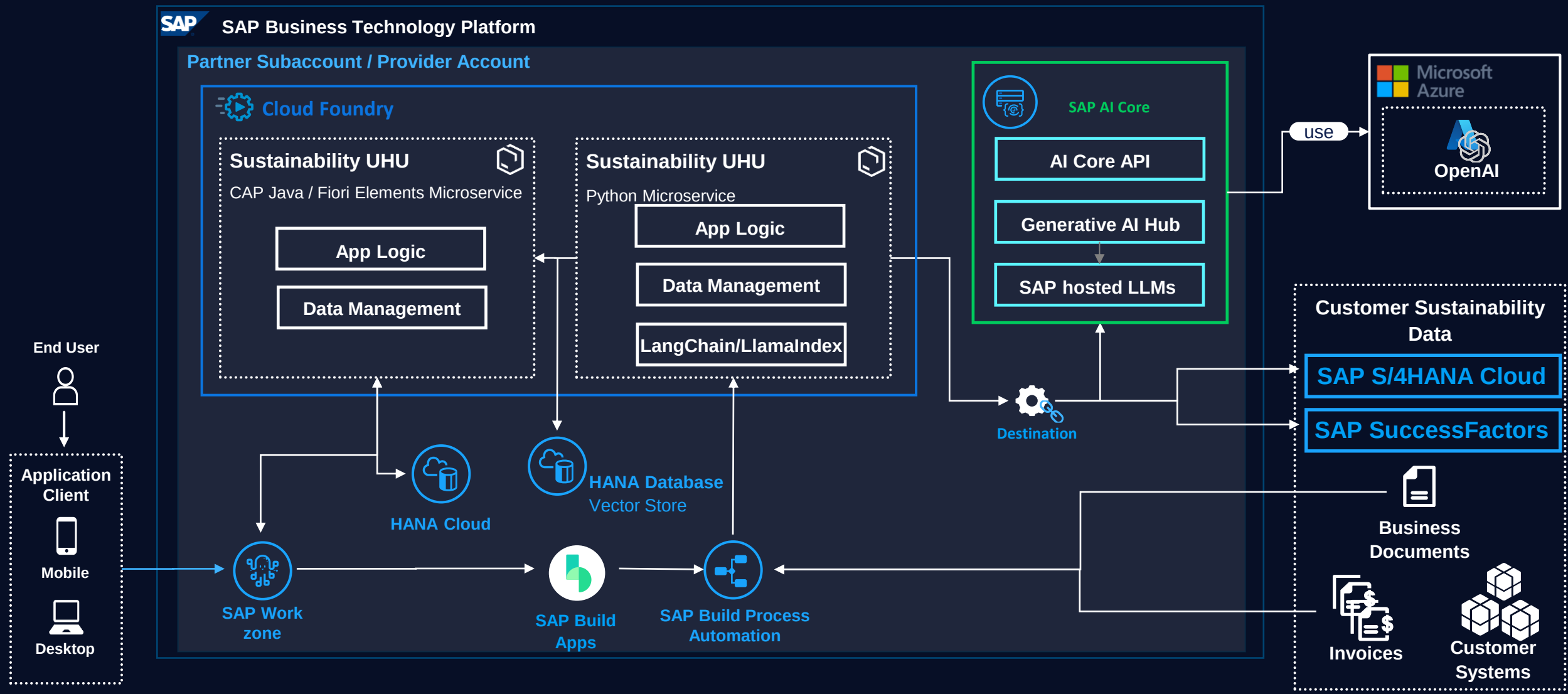

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CSRD Specification changes do not need much manual effort, due to:

- Automated analysis of CSRD specification and
- Automated KPI definition extraction

Manual effort to identify, collect and compile all necessary CSRD information is greatly reduced by:

- Automated document information extraction
- automated information extraction from connected SAP systems
- Automated KPI calculation/generation

Traceability/ Explain ability is guaranteed by:

- Specifying precisely based on which information and from which document/source/sap system a given KPI value was generated/calculated.

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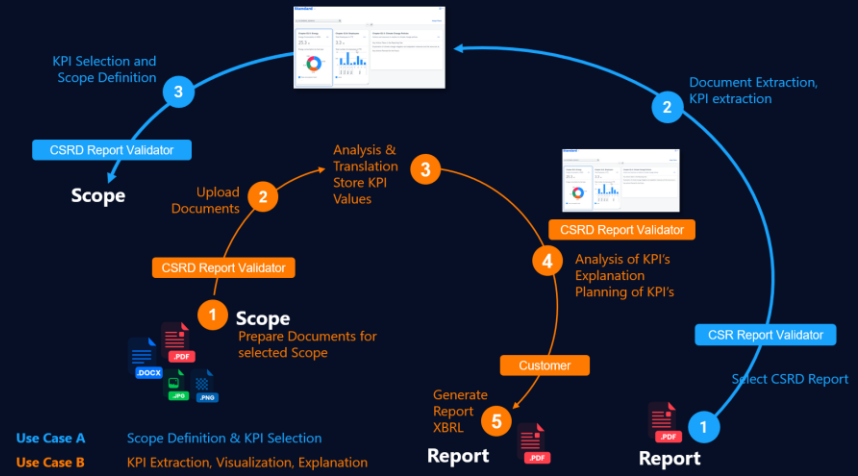
Simplified Corp. Sustainability Reporting with SAP® GenAI on BTP

Business and technical Challenges and Opportunities

Corporate Sustainability Reporting Directive (CSRD) aims to improve the transparency and consistency of environmental, social, and governance (ESG) reporting by companies within the European Union. It may cover a wide range of sustainability-related aspects that businesses should report on. LEs will start from 2024, followed by medium-sized enterprises, and then SMEs will follow in 2027.



Solution

- Automated procedure to collect all required documents & reporting standards from customer systems.
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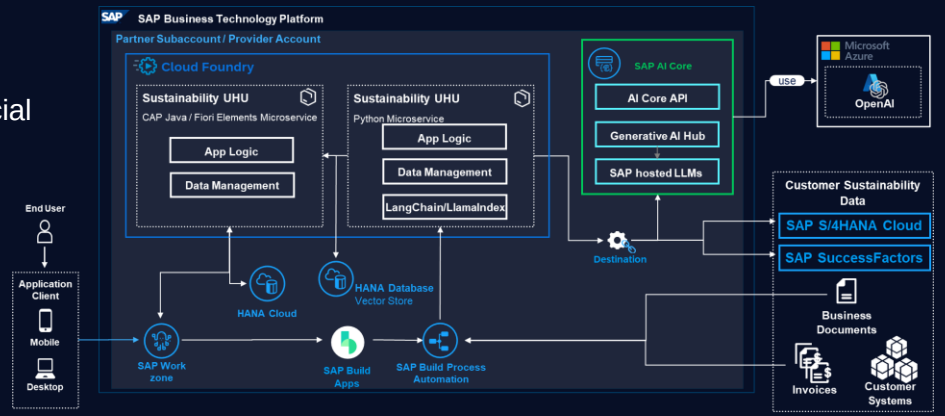
Solution Benefits

- Significant time savings on easy to user interface and guided procedure with ai powered data analysis, explanation & reporting capabilities (Co-Pilot for Corporate Sustainability Experts)
- Data Integration: integrate data from diverse sources into a centralized database for analysis, including financial data, energy consumption, carbon emissions, supply chain data, and more
- Document Analysis: analyses unstructured data, such as sustainability narratives in annual reports
- Automated Report Generation: generate standardized sustainability reports in various formats, such as PDF, XBRF and others



YouTube : https://youtu.be/UALRmBJZ-14

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