

Project Study: **Carbon Impact in E-Invoicing: Driving Sustainability with E2E SAP Green Ledger Case**

About Deloitte:

Deloitte Consulting, a leading powerhouse in professional consulting services, excels in delivering bespoke business strategies across sectors. With operations worldwide, Deloitte Consulting is instrumental in transforming diverse business processes, from financial operations and human resources management to sales and supply chain optimization. What sets Deloitte Consulting apart is its unmatched ability to blend varied business areas into a unified, strategic landscape, thus promoting improved efficiency and process standardization. This holistic approach to business problem-solving makes Deloitte Consulting a go-to partner for organizations of all sizes and industries. Deloitte Consulting's commitment to methodical integration and innovation not only streamlines day-to-day business activities but also cultivates strategic insights for informed decision-making and sustainable growth. Hence, Deloitte Consulting continues to pave the way for companies aspiring to achieve operational excellence.

Benefits of collaboration:

- Working in a professional, innovative environment with a dynamic, motivated team.
- Direct support and feedback from experienced consultants at Deloitte
- Direct collaboration with SAP's Green Ledger Product Team
- Opportunities for personal development and practical experience
- Perspective for internship, student job, master's thesis or a permanent position at Deloitte

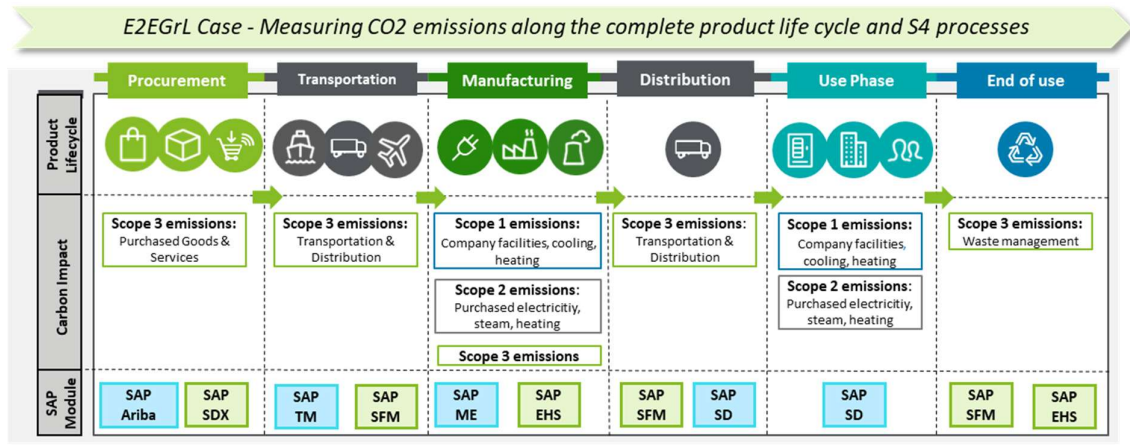
Introduction:

Deloitte is at the forefront of fostering sustainability transformations for clients by pioneering the first global end-to-end SAP Green Ledger demo case. This innovative approach leverages the most recent SAP Sustainability technology and carbon management solutions, preparing organizations to meet ESG standards such as the CSRD & EU Taxonomy and be equipped for emerging challenges like carbon accounting and abatement management.

This venture is designed to enable automated and real-time tracking of CO₂ emissions throughout the full product lifecycle and process chain. It further underscores the capabilities and efficiencies of the SAP ecosystem by integrating SAP ERP or SAP S/4HANA modules alongside SAP Sustainability apps.

Offering a dynamic, cross-disciplinary perspective, this project study encourages cross-offering collaboration and brings together teams specializing in technology implementation, analytics and finance, and cloud solutions, with additional functional insights provided by ESG advisors.

This study aims to explore the benefits of the End-to-end Green Ledger (E2EGrL) use case for organizations to integrate carbon Impact of Sales Orders in E-Invoicing.



Project Study Summary:

Objectives:

- Develop a robust framework to map sales order line items to their product carbon footprints (PCF) and calculate total CO₂e emissions (covering production, logistics, and packaging), ensuring traceability and auditability through a central ledger and integrating CO₂e data into invoices for enhanced sustainability reporting.
- Evaluate the business case for incorporating the carbon impact of sales orders in e-invoicing by making CO₂ emissions visible at the transaction level.
- Define and identify key performance indicators (KPIs) that create business value by integrating financial and emissions data, ensuring regulatory compliance while driving data-driven decisions for profitability and sustainability improvements.
- Design sample invoice formats featuring CO₂e details, along with reporting templates.
- Summarize key findings and recommendations in a whitepaper for dissemination and awareness.

Your profile:

- 2-4 motivated students with a passion for ESG and its economic application
- Basic knowledge about ESG, carbon management, and regulations and an interest in finance
- Excellent analytical and problem-solving skills
- Project study duration: 3 months full-time or 6 months part-time
- Motivated, independent, and target-oriented work approach
- Languages: Business fluent in German and/or English

Please direct your team's application (including a joint cover letter, CVs, transcripts, and relevant references) to fx.mueller@tum.de.