



SAP

BRIGHTER India

Building a Resilient, Inclusive, Green,
High-Tech, and Equitable Republic

Inter-twinning Digital with Sustainability

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Sustainability is just not compliance – It's an opportunity

The sustainability battle will be won or lost in Asia

- **Responsibility** - 51% of annual global greenhouse gas emissions.
- **Impact** - India is projected to see a reduction in GDP well above the global average of 18% due to climate change.
- **Opportunity** - The biggest opportunity for climate action is in Asia. More than half (53%) of the new revenue opportunity for new, more sustainable business models comes from Asia. More than half of the new jobs created will be in Asia.

Consumers

79%

of buyers are changing preferences based on sustainability

Investors

75%

would find value in assurance of robustness of an organization's planning for climate risks

Regulators

20X

increase in the number of global climate change laws since 1997

Companies

9%

have a comprehensive understanding of their greenhouse gas output or the impact of those emissions

Businesses

\$1.2T

of cost over the next 15 years for delays of climate action.

Governments are the driving force for sustainability



GREEN TECHNOLOGY + TECHNOLOGY FOR GREEN = SUSTAINABLE GOVERNANCE

Trends

- Sustainability related regulations and policies
- Rising impact of climate change on public infrastructure and finances
- Social divide and number of vulnerable people on the rise
- Increased public investments into green transition (e.g. restructuring and resilience plans), climate adaptation and mitigation

Government Transformation Themes

- Sustainable Mobility
- Sustainable Infrastructure
- Green Public Finance Management
- Responsible Procurement
- Digital Citizen Services

New Key Challenges

ZERO EMISSIONS

- GHG emission and travel management
- Green procurement

ZERO WASTE

- Paperless administration and improved circularity

ZERO INEQUALITY

- Skilled, healthy and diverse workforce
- Access to citizen services for all
- Social protection and equity

HOLISTIC STEERING AND REPORTING

- ESG reporting compliance



Use Cases – Sustainability Management in Government

Planning and implementation of sustainability programs

Social responsibility

Sustainable infrastructure and real property



Sustainable public procurement

Sustainable travel

Sustainable mobility

The background features a photograph of an offshore wind farm. Several white wind turbines are visible, extending from the foreground into the distance over a body of water. In the background, there are large white storage tanks and a tall electrical transmission tower. The image is overlaid with a teal geometric pattern consisting of various shades of green and blue triangles and squares, primarily on the left and right sides.

AI and Sustainability

Drive climate action with AI

01

The United Nations Environment Program forecasts that **to meet the 1.5°C goal**, the world will need to reduce emissions by **42% by 2030**.

- BCG predicts that by 2030, **AI** could help **reduce** global greenhouse gas emissions **by 5% to 10%**
- By 2030, AI could consume up to **3.5%** of the world's electricity
- Responsible, Reliable, Relevant

02

Automate emission factor mapping

The screenshot displays the SAP 'Manage Purchased Product Footprints' interface. The main section is titled 'Footprint Suggestion' and lists several emission factor suggestions for 'Cow Milk (PRD_08)'. Each suggestion includes an 'Similarity Score', 'Emission Factor' (kgCO2e / Kilogram), 'Emission Factor Name', 'Validity' (Jan 1, 2009 - Dec 31, 2023), 'Emission Factor Package' (ecol.CA), 'Emission Factor Location' (CA), and 'Commodity Code' (40120, 40130, 40140, 02211).

Similarity Score	Emission Factor	Emission Factor Name	Validity	Emission Factor Package	Emission Factor Location	Commodity Code
8.3 High	1.29662137106386	milk production, from cow	Jan 1, 2009 - Dec 31, 2023	ecol.CA	CA	40120, 40130, 40140, 02211
8.3 High	1.9783618236644	yogurt production, from cow milk	Jan 1, 2010 - Dec 31, 2023	ecol.CA	CA	40510, 40520, 40590, 22241
8.1 High	2.486402189825613	butter production, from cream, from cow milk	Jan 1, 2007 - Dec 31, 2023	ecol.CA	GLD	40510, 40520, 40590, 22241
8.1 High	3.77123874854717	butter production, from cow milk	Jan 1, 2007 - Dec 31, 2023	ecol.CA	GLD	40510, 40520, 40590, 22241
8.1 High	12.4888648851272	cheese production, soft, from cow milk	Jan 1, 2007 - Dec 31, 2023	ecol.CA	GLD	40640, 40630, 40620, 40610, 40690, 22251
7.7 Medium	1.422462160264028	soy production	Jan 1, 2010 - Dec 31, 2023	ecol.CA	CA	230990, 23119
7.8 Medium	1.53030479539823	soybean beverage production	Jan 1, 2010 - Dec 31, 2023	ecol.CA	CA	230990, 23119
7.8 Medium	0.84472181812824	ethanol production from whey	Jan 1, 2000 - Dec 31, 2023	ecol.CA	RQW	230990, 23119
7.8 Medium	1.84063127702429	palm date production, conditioned and dried, organic	Jan 1, 2012 - Dec 31, 2023	ecol.CA	GLD	230990, 23119
7.8 Medium	1.4857830955339	palm date production, conditioned and dried	Jan 1, 2012 - Dec 31, 2023	ecol.CA	GLD	230990, 23119

Below the suggestions is a 'Data Comparison Details (3)' section with a search bar. It compares 'Business Data Value' and 'Emission Dataset Value' for Name, Location, and Commodity Code.

Parameter	Business Data Value	Emission Dataset Value
Name	Cow Milk (PRD_08)	milk production, from cow
Location	Canada (CA)	CA
Commodity Code	02211	40120, 40130, 40140, 02211

Suggest emission factor mappings of purchased products, and include an accuracy score.

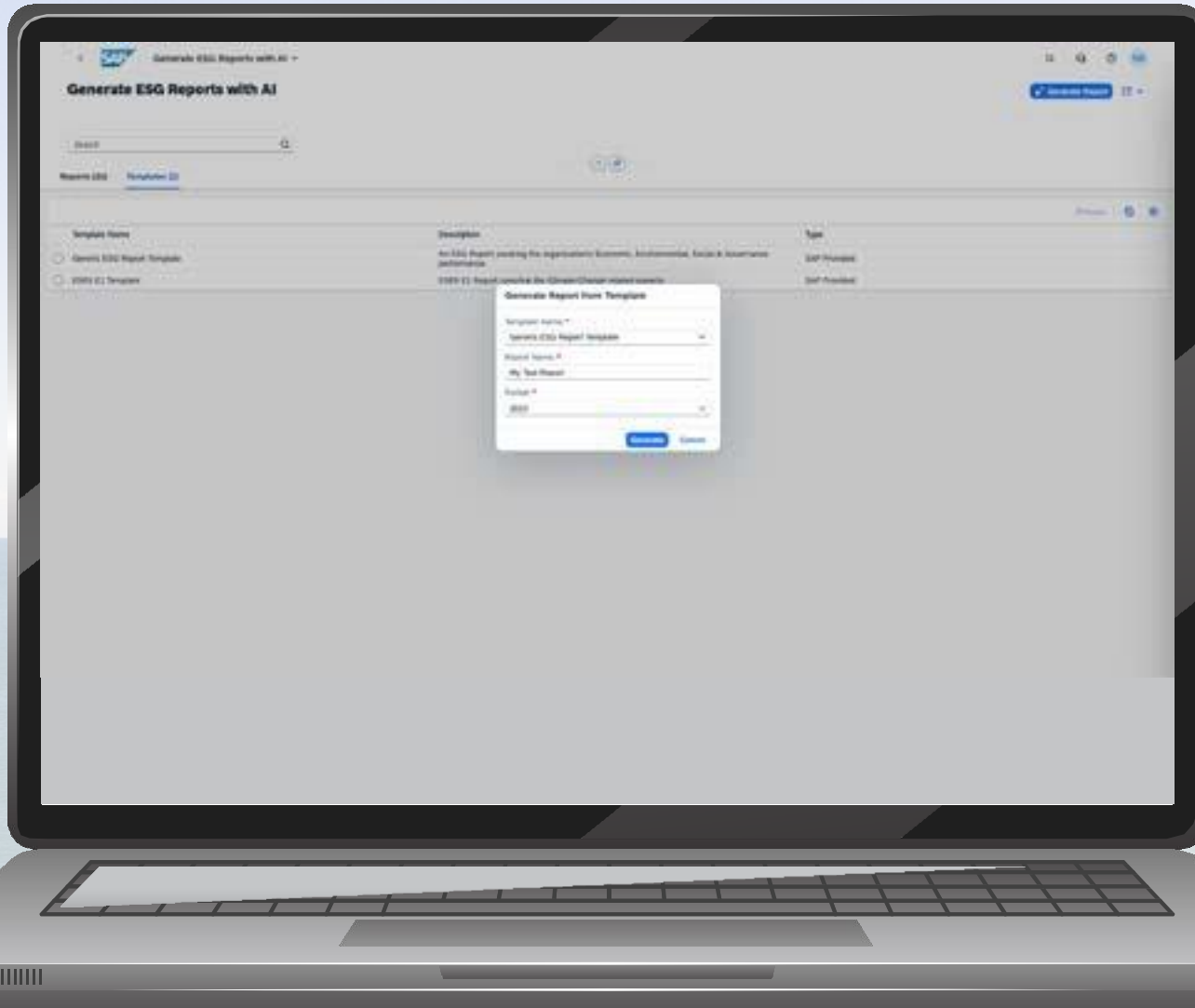
Reduce manual effort in repetitive mapping emission data.

Increase accuracy of emission factors mapping.

80%

reduction in manual effort and time of mapping emission factors to products

Generate ESG reports quickly and easily



Generate comprehensive sustainability reports with best practice templates, generative AI text, and metrics calculated in SAP Sustainability Control Tower.

Enhance efficiency to create a report, enabling sustainability functions to focus on execution and sustainability management.

98%

Reduction in time needed to collect relevant ESG metrics

80%

Reduction in time needed to create and draft a report

The Way Forward

Embed Sustainability Metrics into processes

- **Data transparency** – Capturing sustainability data at source
- **Operationalize the data** to integrate sustainability into operations and decisions
- Extend beyond organizational boundaries to cover scope 2 and 3 too.



Artificial Intelligence and Sustainability

- **Enabling AI for sustainability** by encouraging data sharing, ensuring affordable technology access, building awareness, and investing in talent
- Accelerating the deployment of AI for climate by defining public and private sector priorities, delivering on public sector use cases, and encouraging private sector action
- Promoting environmentally and socially responsible deployment of AI



Partnerships

- Governments as a leader – programs
- Private sector knowledge sharing
- PPP



Program enablers

- Integrated digital and sustainability policy prescriptions
- Green IT
- Skilling and capacity building
- Change management
- Innovation/R&D



Thank you

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