Monitoring progress towards the SDGs

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Sustainable Development Solutions Network

Operates since 2012 under auspices of UN Secretary-General to support SDGs and Paris Agreement

1. Policy analysis and support
2. Global network of knowledge institutions
3. SDG Academy

Gaëlle ESPINOSA, Senior Analyst
Food & Land Team (Paris, France)

Experience
• Lead work on business metrics and business engagement on food and land-use systems for SDSN
• 10+ years international experience in environment / sustainability (incl. 7 years in private sector)
• Master of Public Administration from Columbia University, Economics B.A. from Paris IX Dauphine

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• https://www.linkedin.com/in/gaelleespinosa/
1. National and Sub National Monitoring

2. Private Sector Monitoring proposals
Global editions

Regional editions

Subnational editions

Download the reports and databases at: www.sdgindex.org.
“The SDG Index is a remarkable effort of synthetizing the 17 SDGs into a single measure. The index ranks are robust enough, allowing meaningful conclusions to be drawn from the index.”
France
OECD

Overall
Click on an assessment to view more information.

- Overall Score: 81.1
- Overall Rank: 4
- Spillover Score: 51.1

Current Assessment
Click on a goal to view more information.

Trends
Click on a trend to view more information.

Description
The overall score measures a country's total progress towards achieving all 17 SDGs. The score can be interpreted as a percentage of SDG achievement. A score of 100 indicates that all SDGs have been achieved.

Description
Each country's actions can have positive or negative effects on other countries' abilities to achieve the SDGs. The Spillover Index assesses such spillovers along four dimensions: environmental, economy & finance, social and security. A higher score means that a country causes more positive and fewer negative spillover effects.

https://dashboards.sdgindex.org/
### SDG 8: Decent work and economic growth
- Adjusted GDP growth
- Victims of modern slavery
- Adults with an account at a bank or other financial institution or with a mobile-money-service provider
- Fatal work-related accidents embodied in imports
- Employment-to-population ratio
- Youth not in employment, education or training (NEET)

### SDG 9: Industry, innovation and infrastructure
- Population using the internet
- Mobile broadband subscriptions
- Logistics Performance Index: Quality of trade and transport-related infrastructure
- The Times Higher Education Universities Ranking: Average score of top 3 universities
- Scientific and technical journal articles
- Expenditure on research and development
- Researchers
- Tradic patent families filed
- Gap in internet access by income
- Women in science and engineering

### SDG 10: Reduced inequalities
- Gini coefficient adjusted for top income
- Palma ratio
- Elderly poverty rate

### SDG 11: Sustainable cities and communities
- Annual mean concentration of particulate matter of less than 2.5 microns in diameter (PM2.5)
- Access to improved water source, piped
- Satisfaction with public transport
- Population with rent overburden

### SDG 12: Responsible consumption and production
- Electronic waste
- Production-based SO₂ emissions
- SO₂ emissions embodied in imports
- Production-based nitrogen emissions
- Nitrogen emissions embodied in imports
- Non-recycled municipal solid waste

### SDG 13: Climate action
- Energy-related CO₂ emissions
- CO₂ emissions embodied in imports
- CO₂ emissions embodied in fossil fuel exports
- Effective carbon rate
Trade-spillovers

https://spillovers.environmentalimpact.global/#/

SDSN & Yale University:
Global Commons Stewardship Index (Pilot Version)

Data Viz
1. National and Sub National Monitoring

2. Private Sector Monitoring proposals
The Food and Agriculture business value chain

Key topics for food sector to improve on

Environment
Nutrition
Social & governance

INPUTS
Engineering & Chemistry firms

PRODUCTION
Growers & farmers

TRADE
Wholesalers & suppliers

PROCESSING
Manufacturers & Processors

DISTRIBUTION
Retailers, Caterers & Restaurants

Air and climate
Undernutrition
Labor rights & decent work

Nature and biodiversity
Labor rights & decent work

Sustainable food production
Healthy & sustainable product portfolios

Resource rights
Healthy eating and lifestyles promotion

Freshwater

Living income for smallholders

Waste (food loss & waste / packaging)

Animal Welfare
Food safety

Community engagement

Social & governance

Animal Welfare

Community engagement

Corporate Governance System oriented towards Sustainability Issues

Diversity and inclusion

Corporate taxation

Anti-corruption

Corporate taxation

World Benchmarking Alliance

PLATING UP PROGRESS

Barilla Center
OR FOOD & NUTRITION

SUSTAINABLE DEVELOPMENT SOLUTIONS NETWORK
A GLOBAL RESERVE FOR THE UNITED NATIONS

Columbia Center on Sustainable Investment

SANTA CHIARA | LAB
Università degli Studi di Siena
Four pillars for corporate SDG alignment

**Pillar 1**
Beneficial products and strategies contributing to healthy and sustainable dietary patterns

**Pillar 2**
Sustainable internal processes

**Pillar 3**
Sustainable value chains

**Pillar 4**
Good Corporate Citizenship
## Deficiencies in SDG alignment across sustainability standards

### Standards, frameworks and certifications analyzed

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<thead>
<tr>
<th></th>
<th>ATNI</th>
<th>B Corp</th>
<th>CDP</th>
<th>Dow Jones SI</th>
<th>FSC</th>
<th>GRI</th>
<th>OECD-FAO</th>
<th>RSPO</th>
<th>SASB</th>
<th>UN Global Compact</th>
<th>WBA</th>
<th>WBCSD</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualitative indicators</td>
<td>64%</td>
<td>43%</td>
<td>72%</td>
<td>33%</td>
<td>100%</td>
<td>34%</td>
<td>100%</td>
<td>93%</td>
<td>17%</td>
<td>82%</td>
<td>47%</td>
<td>100%</td>
<td>65%</td>
</tr>
</tbody>
</table>

### Categories

- **Environmental**
  - 1. Products: 2%
  - 2. Processes: 29%
  - 3. Supply / Value Chain: 4%
  - 4. Corporate Citizenship: 2%
  - Total: 37%

- **Social**
  - 1. Products: 3%
  - 2. Processes: 26%
  - 3. Supply / Value Chain: 12%
  - 4. Corporate Citizenship: 0%
  - Total: 42%

- **Governance**
  - 1. Products: 2%
  - 2. Processes: 9%
  - 3. Supply / Value Chain: 0%
  - 4. Corporate Citizenship: 10%
  - Total: 21%

- **Total**
  - 1. Products: 7%
  - 2. Processes: 64%
  - 3. Supply / Value Chain: 16%
  - 4. Corporate Citizenship: 12%
  - Total: 100%

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Mostly descriptive information and insufficient to track progress towards quantitative, time-bound SDGs

Most indicators focus on production processes (pillar 2)

### Example: business indicators & targets for GHG emissions

**(Air and climate topic)**

#### Major GHG drivers from Food & Ag

- **Deforestation & Land Use Change**: ~44%
- **Energy Use**: ~24%
- **Livestock Farming**: ~22%
- **Methane & Nitrous Oxide from Cultivation**: ~9%
- **Food Loss and Waste**: ~30%

#### Global targets

- **0 GT CO2eq./year**

#### Company indicators & targets

<table>
<thead>
<tr>
<th>Category</th>
<th>Indicator</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of agricultural inputs from certified Zero Deforestation</td>
<td>sources</td>
<td>100%</td>
</tr>
<tr>
<td>Percentage of all company power consumption emitting zero GHG emissions</td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>[Percentage of products sold containing animal-based protein inputs]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage of feed with methane reduction properties</td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>Percentage of manure managed to prevent GHG emissions</td>
<td></td>
<td>100%</td>
</tr>
<tr>
<td>Percentage of agricultural inputs sourced from production using methane</td>
<td>reducing techniques</td>
<td>100%</td>
</tr>
<tr>
<td>Percentage of Food Lost and/or Wasted</td>
<td></td>
<td>-50%</td>
</tr>
</tbody>
</table>

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*To avoid double counting*

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*Example: company indicators & targets for GHG emissions*
Proposed proxy / action indicators to track progress on GHG Emissions only

- Percentage of feed with methane reduction properties
- Percentage of manure managed to prevent GHG emissions
- Percentage of agricultural inputs sourced from production using methane reducing techniques
- Percentage of all company power consumption emitting zero GHG emissions
- Percentage of Food Lost and/or Wasted
- Percentage of products sold containing animal-based protein inputs
- Percentage of agricultural inputs from certified Zero Deforestation sources
Questions / Suggestions

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