



OECD BEST PRACTICES FOR ASSESSING SUSTAINABILITY OF BIO-BASED PRODUCTS

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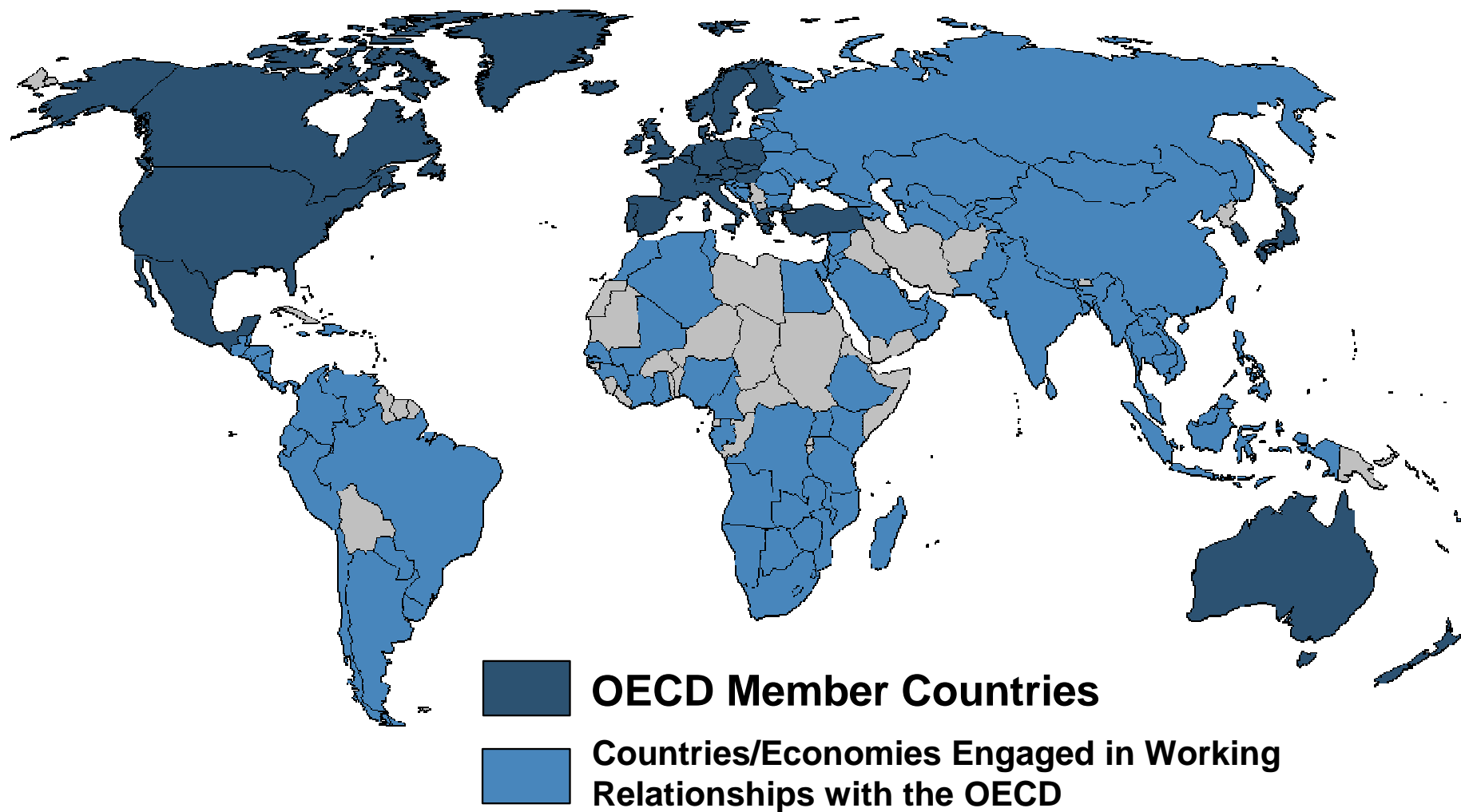
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Global Perspective





OECD: An Instrument for Governments

- **A forum** in which governments work together to address the economic, social and environmental challenges of interdependence and globalisation
- **A peer review process**, series of guidelines, to influence national policies...
- **A source of statistics** - provider of comparative data, analysis and forecasts to underpin multilateral co-operation (www.oecd.org)
- **Develop best practice guidelines**
- **Adopt “Soft law”**



OECD Innovation Strategy

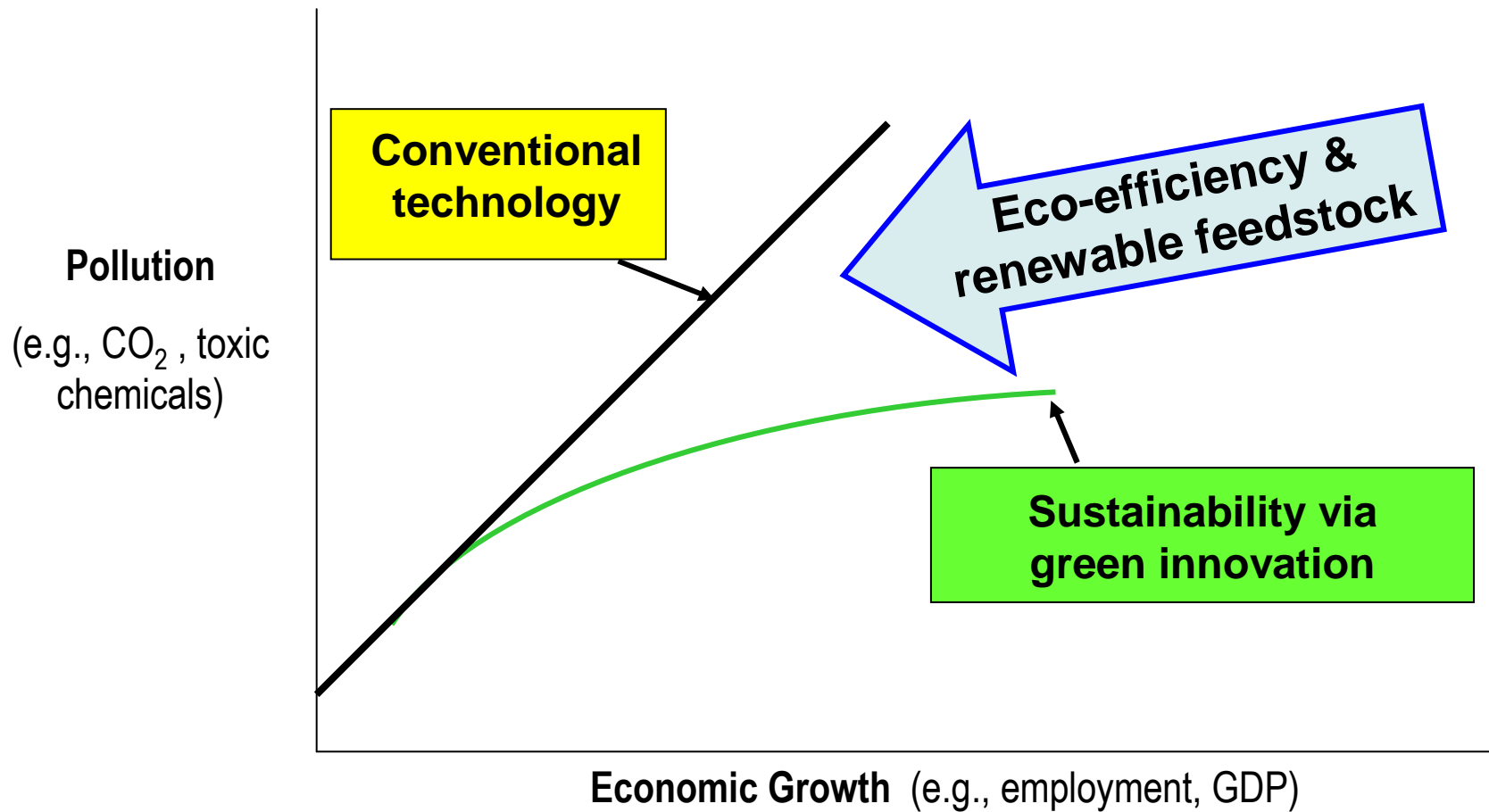
- Policymakers seek effective and coherent innovation policies to meet economic, social and environmental objectives
 - Stronger growth of productivity and incomes
 - Address global challenges in environmental, health, energy domains
 - Strengthen competitiveness, attract investment in context of rapid structural change
 - Seize opportunities and meet challenges of globalisation and rapid technological advance



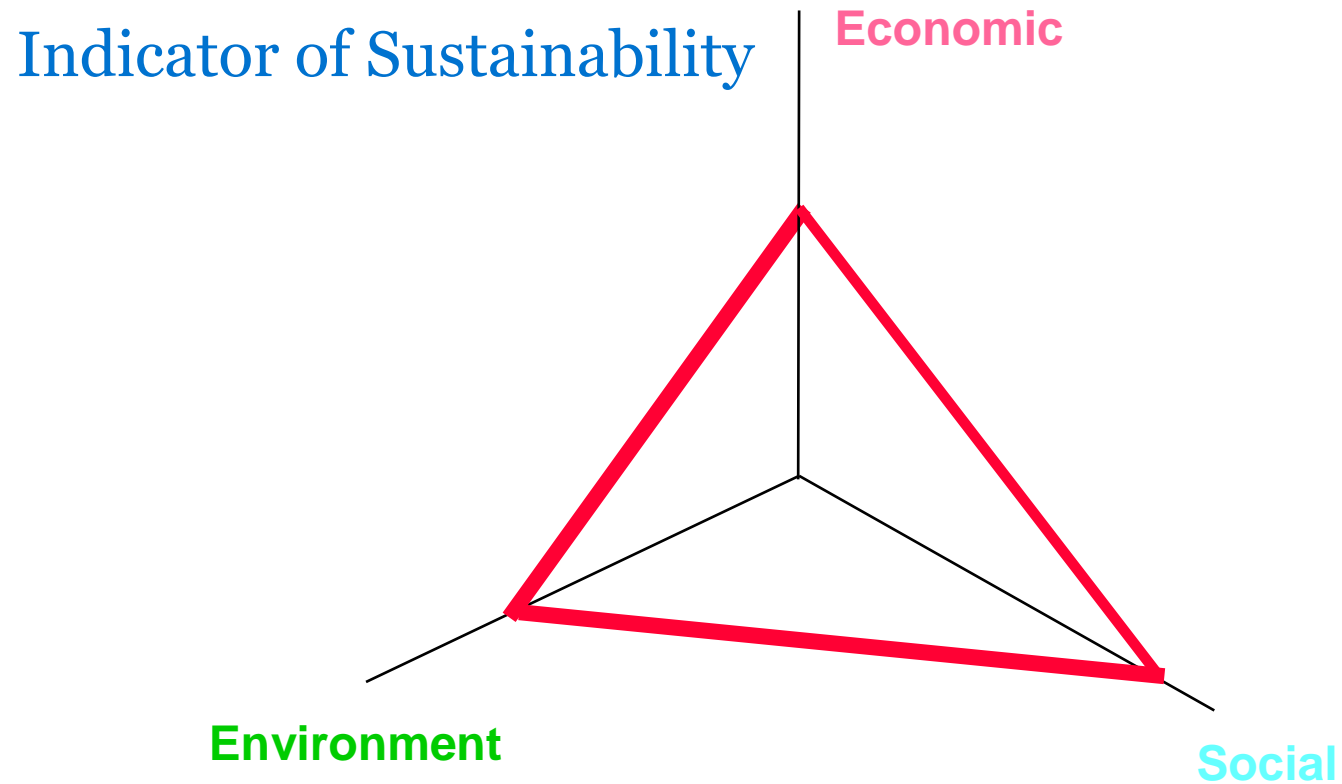
OECD Strategy for Green Growth

- i) Improve understanding of technological developments that can improve environmental performance;
- ii) Develop policy approaches and recommendations that can potentially enhance technological development and speed the introduction and use of new technologies that underpin the sustainability of economic growth and social development.

Green Innovation



Triple Bottom Line





BEST PRACTICES FOR ASSESSING SUSTAINABILITY OF BIO-BASED PRODUCTS

Content

1. The project rationale and goals
2. The workshop report
3. Way forward

RATIONALE

- OECD Mandate (2004 S&T Ministers meeting) to take steps to realise eco-efficient bio-economy – **(WPB)**
- OECD focus on green innovation and green technologies as a means to mitigate global challenges
- Transition towards a bio-economy
- Lack of evidence-based, internationally agreed instruments for assessing the sustainability of bio-based products and processes
- Main focus of existing activities is on bio-fuels

PROCESS (1)

Phase I: Workshop –Identification of Best Practices, if any (2009)

Montreal, 23-24 July, 2009, back-to-back to the 6th World Congress on Industrial Biotechnology and Bio-processing, July 19-22, 2009

(http://oecd.org/document/8/0,3343,en_2649_34537_43177288_1_1_1_37437,00.html)

PROCESS (2)

Workshop Sessions

- i. Current approaches to planning for and assessing the sustainability of bio-based products;
- ii. Key issues and parameters in assessing the environmental and economic sustainability of bio-based products;
- iii. Discussion of best practices in assessing sustainability of bio-based products;
- iv. Best practices – towards implementation.

Main Messages

- Difficult to come up with best practices now – there is a need for further research
- Three pillar approach is a must
- Life Cycle Thinking should be adopted
- There is a need for guiding principles for policy makers on how to approach the sustainability assessments



Workshop Report *(will be publically available by summer 2010)*

- i. Rationale of the project
- ii. Key Messages from the Presentations
- iii. Main points of the workshop discussions
- iv. Assessment goal and scoping
- v. Level of detail and overall organisation
- vi. Include a three pillar approach
- vii. Definitions
- viii. Target audiences
- ix. General advice
- x. General principles
- xi. Best practices advice
- xii. Thoughts on process
- xiii. Thoughts on sharing information about indicators
- xiv. Thoughts on social indicators
- xv. Data and knowledge gaps
- xvi. Concluding remarks
- xvii. Emerging Guiding Principles for Assessing the Sustainability of Bio-Based Products***

The main result of the workshop is a set of emerging principles for assessing the sustainability of bio-based products – *main target audience are policy makers/industry*



Emerging Principles Cover:

- **Planning for Sustainability Assessment**
- **Use of Life Cycle Thinking for Assessment**
- **Evaluation tools**
- **Indicator selection**
- **Use of data**

Way Forward

Phase II:

- 1. Draft Council Recommendation – an international soft law (2010-2011)**
 - **Main target audience:** policy makers and industry
- 2. OECD Sustainable Manufacturing Toolkit (2010)**
 - **Main target audience:** industry



Thank you for your attention!

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