

**Green Growth:
Coupling Environmental
and Industrial Policies**

Michael Peneder

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Michael Peneder

Keynote speech at the EU Competitiveness Council
(industry ministers), Sopot, 22 July 2011

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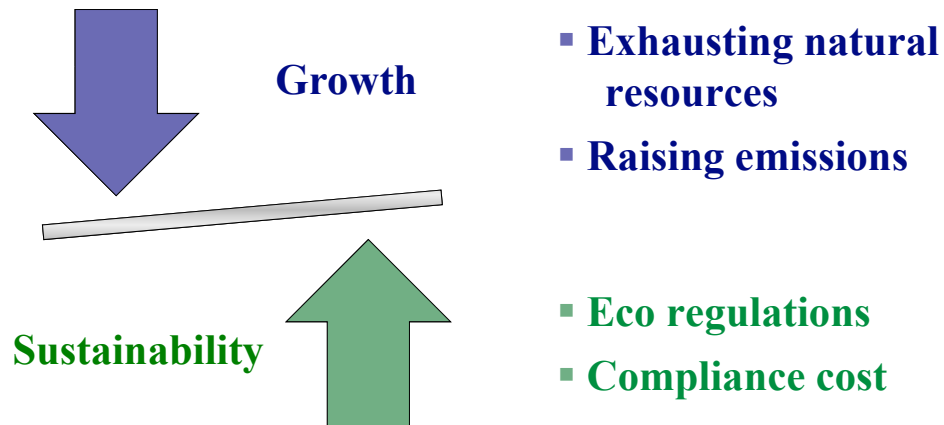
Green growth – Coupling environmental & industrial policies

Michael Peneder
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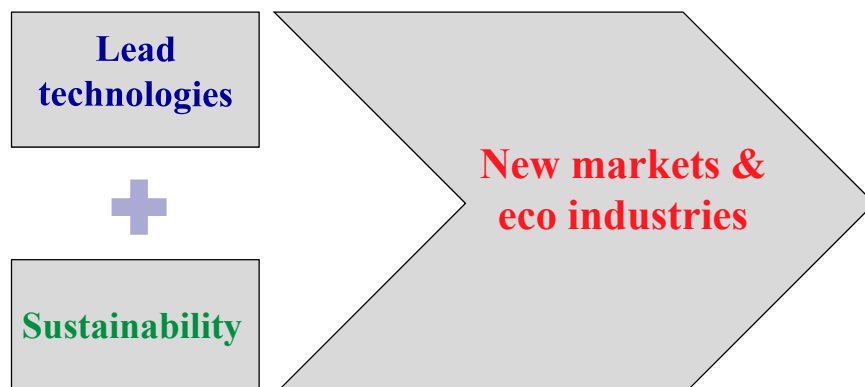
EU Competitiveness Council (industry ministers)
Keynote speech, Sopot, 22-07-2011

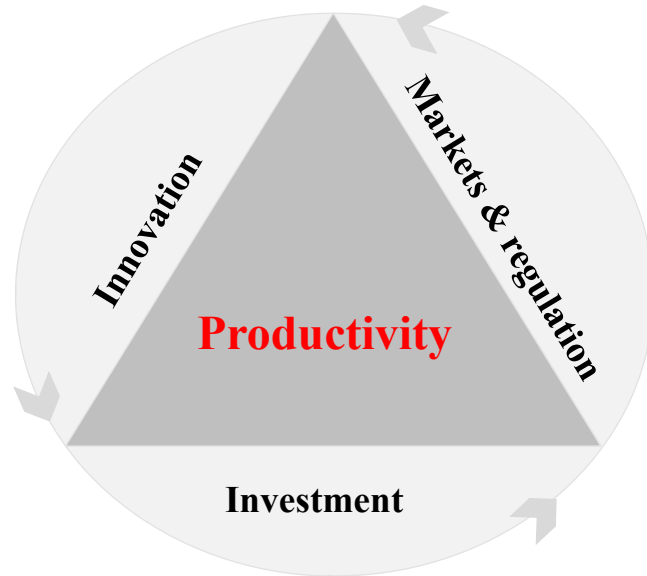
- **Trade-offs & opportunities**
- **Competitiveness**
- **Eco performance, focus on *energy***
- **Step up the gear!**

Some heavy trade-offs ...

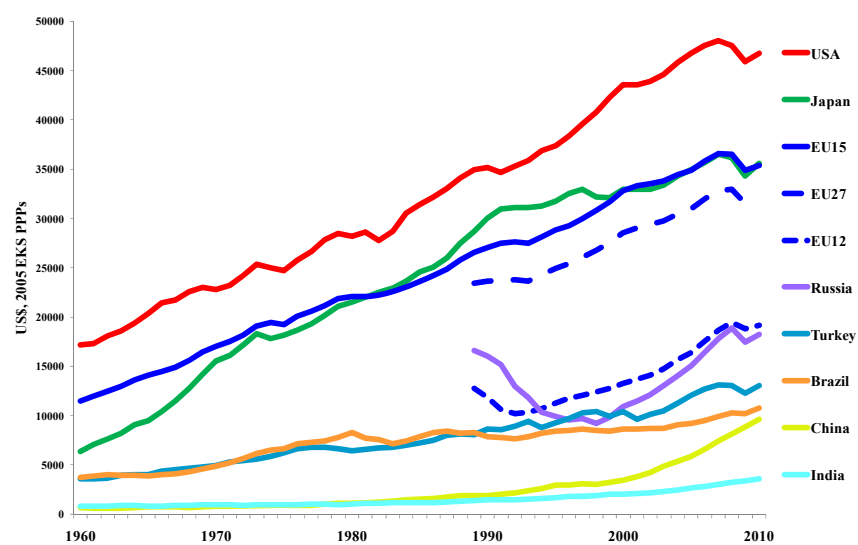


... and opportunities!





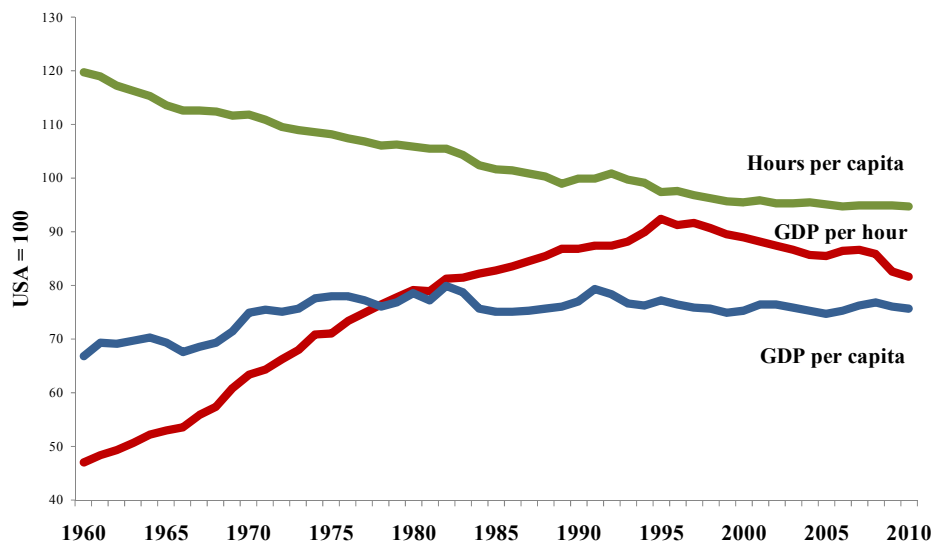
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Source: WIFO, Data: GGDC database

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Source: WIFO, Data: GGDC database

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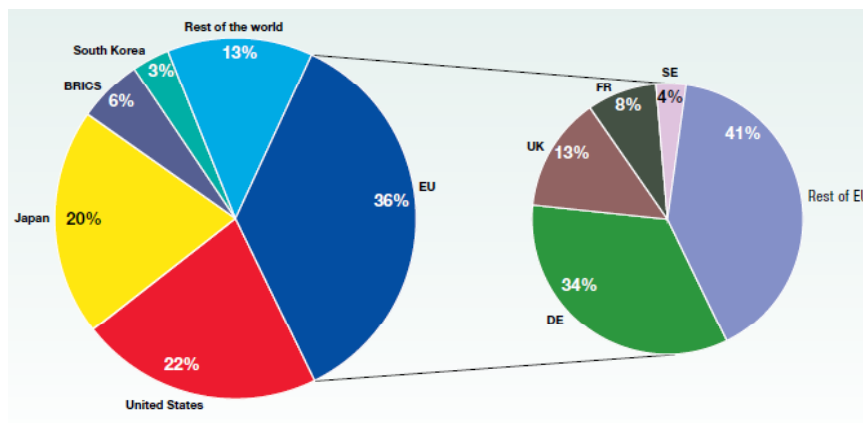
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■ Catching-up vs US

- Missed opportunities >> danger of falling behind
- Critical success factors in favour of U.S., e.g.
 - **Higher innovation capacity** (e.g., universities, venture capital, lead in many ICT technologies)
 - **Entrepreneurial opportunities** (e.g., more integrated markets)
- Competition from **emerging countries** (e.g., China)
 - High growth potentials from catching-up
 - Pro-active competitiveness & industrial policies
 - New capital stocks and industrial expertise will shape competitive advantages for long !

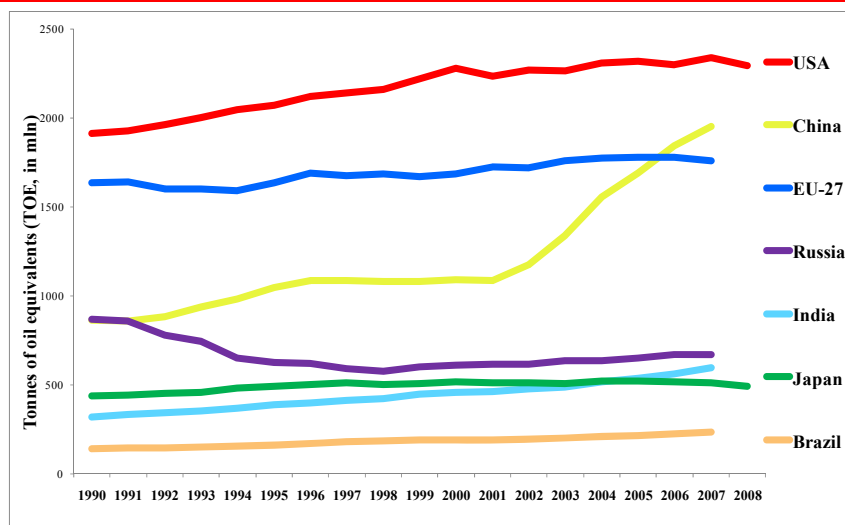
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Source: DG Research and Innovation (Innovation Union Competitiveness Report 2011)

Data: OECD

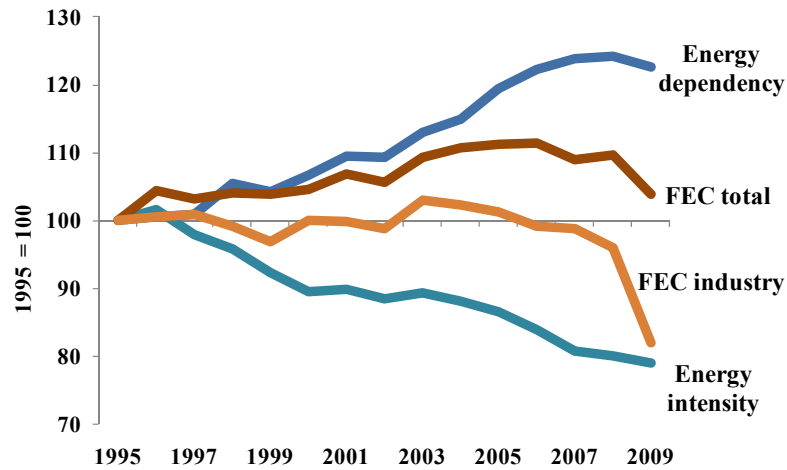


Source: Ecorys; Data: OECD Factbook 2010

Note: TPES = total primary energy supply (i.e. input of all fuels into energy use)

Energy trends in the EU27

1995 = 100



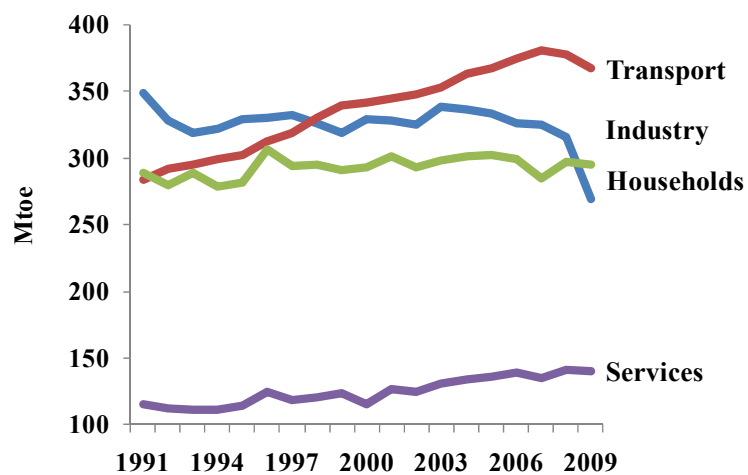
Source: WIFO; Data: Eurostat
 Note: FEC = Final energy consumption

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FEC by sector

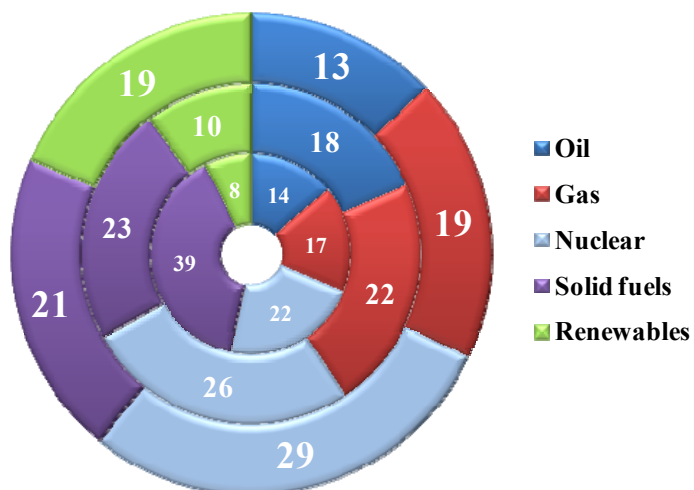
EU 27, Mtoe



Source: WIFO; Data: Eurostat
 Note: FEC = Final energy consumption

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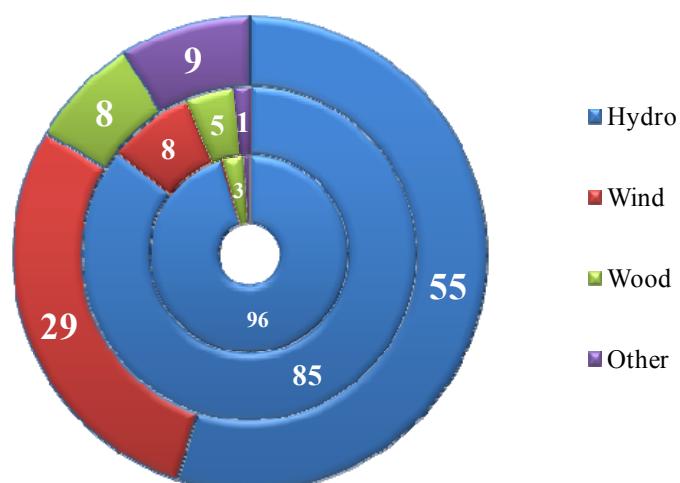
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Shares in energy production**EU 27, in %, 1990/2000/2009**

Source: WIFO; Data: Eurostat

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Shares in renewable electricity**EU 27, in %, 1990/2000/2009**

Source: WIFO; Data: Eurostat

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➤ **Policy makes a difference**

- **Regulation:** channel resources, effort & creativity towards sustainable and productive activities
- **Innovation:** foster new eco-technologies & practices
- **Investment:** promote the diffusion of new technologies

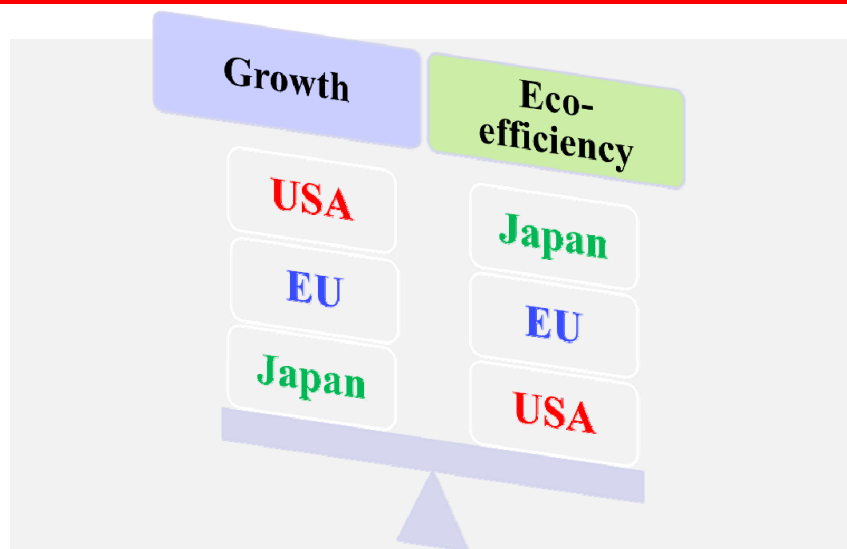
➤ **Green growth aims for a double dividend**

- **Competitiveness:** resource efficiency & new eco-industries
- **Sustainability:** eco-efficiency & quality of life

➤ **Coupling of industrial and environmental policies**

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