



The Federal Ministry
for the Environment,
Nature Conservation
and Nuclear Safety

Technology transfer within the framework of the UNFCCC - the position of Germany -

Franzjosef Schafhausen

**Federal Ministry for the Environment, Nature
Conservation and Nuclear Safety**

Side Event, Bonn Climate Change Talks, 10 June, 2009

10 June, 2009
13:00 – 14:30, SOLAR

Technology transfer within the framework
of the UNFCCC – position of Germany



Structure

- 1. Technology transfer and UNFCCC**
- 2. CDM and technology transfer**
- 3. Green recovery – a new green deal**



Current situation

- **Two global crises: financial crisis and climate change**
 - **Cutbacks in investments in renewable energy and energy efficiency due to financial downturn, 2009**
 - **1.6 billion people worldwide still lack access to electricity**
- **Urgent need for government action to support investment in energy efficiency and clean energy / IEA, May 2009**
- **Germany: Largest share in global market of environmental goods and services**
 - **Setting the pace in drive to low-carbon economies and to low-carbon technologies**

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Technology transfer and UNFCCC

- In the framework of UNFCCC, the activities for global technology cooperation (esp. between DCs and ICs) shall contribute to diffusion of low carbon technologies
- Contribution to mitigation and adaptation
- Further details have to be discussed in the post-2012 negotiations
- Important KP instruments: CDM + JI



Marrakesh Accords

Elements of the Marrakech Accords (2001):

- **Technology needs assessments**
- **Technology information**
- **Capacity building**
- **Mechanisms for technology transfer**

Expert Group on Technology Transfer (EGTT) in the framework of SBSTA



Necessary steps

- **Massive and rapid expansion in global development and diffusion of low carbon technologies within and besides UNFCCC, Bali Action Plan**
- **EU/Germany: New institutions needed**
- **Financing: Green investments**
 - **private sector: channeling investments in climate-friendly ways / encourage TT of breakthrough technologies**



Green technology developments

- **Green technologies: 8% of German GDP in 2007, estimated 14% until 2020**
 - **Turnover green technologies: estimated 3,200 Billion Euros in global level in 2020 compared to 1.400 Billion Euros in 2007**
 - **more than doubling –**



CDM

- **CDM: a reliable instrument for climate protection in the long run**
- **Difficulties in the beginning are now overcome**
- **Methodology development by the EB**
- **New approach: PoA (bundling)**
- **Focus: Renewable energy + efficiency**



CDM – beyond 2012

- **CDM: important instrument for climate protection, technology transfer and development post-2012**
- **DC's: CDM assists to meet the MDG's, to reduce poverty and to bring access to energy**

BMU CDM/JI-Initiative:

contributing to promote, improve and to develop the flexible mechanisms



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<http://www.jiko-bmu.de>

JIKO-Internetportal

<http://www.jiko-bmu.de/jiko/aktuell/1.php>

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Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit

Joint Implementation & Clean Development Mechanism

BASISINFORMATIONEN

- Einführung CDM und JI
- Initiativen der Bundesregierung
- Berichte EB und JISC
- Nachrichten und Termine
- Newsletter
- Publikationen
- Glossar

SERVICE-PLATTFORM FÜR PROJEKTENTWICKLER

- Durchführung von CDM/JI-Projekten
- Projektleitfäden
- Informationen über Gastländer
- Zuständigkeiten CDM/JI auf Bundesebene
- Kontaktadressen und Ansprechpartner
- Rechtstexte und Grundsatzbeschlüsse
- Projekt anmelden bei der DEHSt
- Links

Startseite

KYOTO MECHANISMEN

CDM/JI-Internetportal des Bundesumweltministeriums

Diese Internetseite informiert Sie über die Klimaschutzinstrumente Clean Development Mechanism (CDM) und Joint Implementation (JI). CDM und JI sind zwei der flexiblen Mechanismen des Kyoto-Protokolls zur Verringerung des weltweiten Treibhausgasausstoßes. Die Seite richtet sich in erster Linie an ein Publikum mit Vorkenntnissen über das internationale Klimaregime. Eine Einführung in die internationale Klimapolitik finden Sie beispielsweise auf den allgemeinen Seiten des [Bundesumweltministeriums](#).

100 CDM PROJEKTE

Schon über 100 internationale Klimaschutz-Projekte mit deutscher Beteiligung

Seit Dezember 2005 hat die Deutsche Emissionshandelsstelle (DEHSt) im Umweltbundesamt (UBA) mehr als 100 Klimaschutzprojekte nach den Regeln des Kyoto-Protokolls in Entwicklungs- und Schwellenländern auf Basis des so genannten Clean Development Mechanism (CDM) genehmigt. [weiter](#)

CDM / LATEINAMERIKA

Deutschland startet CDM-Netzwerk für Lateinamerika

Das BMU startet im Rahmen der deutschen CDM-Initiative das Internetportal www.cdm-cooperation.de. Diese Plattform bietet Informationen über das aktuelle Projektportfolio sowie Zugang zu Netzwerken in lateinamerikanischen CDM-Gastländern. Das Angebot verschafft deutschen und lateinamerikanischen Zertifikatekäufern, Projektentwicklern, Investoren und weiteren Akteuren des Kohlenstoffmarktes die Möglichkeit, ihre Dienstleistungen und Produkte im Bereich des Clean Development Mechanism (CDM) sowie potentielle CDM-Projekte einer breiten Fachöffentlichkeit vorzustellen und direkt in Kontakt zu treten. [weiter](#)

DEUTSCHE AKTEURE AUF DEN CDM/JI-MÄRKTEN

Unternehmensbrochüre mit Tätigkeitsprofilen [Weiter](#)

CDM/JI NEWSLETTER

JIKO Info mit Schwerpunkt "CDM in Lateinamerika" [weiter](#)

<http://www.jiko-bmu.de/jiko/aktuell/1.php>

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Green recovery

- **Critical window of opportunity = Now:**
Transition to low-carbon and climate- resilient economies
- **Green investment – the solution for the recovery of world economy**
- **Opportunities for new green technology: reduce poverty, prevent climate change, secure energy supply**
- **Focus: Renewable energy + efficiency**



Clean energy options

Table 2: Estimated effectiveness of clean energy options in contributing to economic recovery

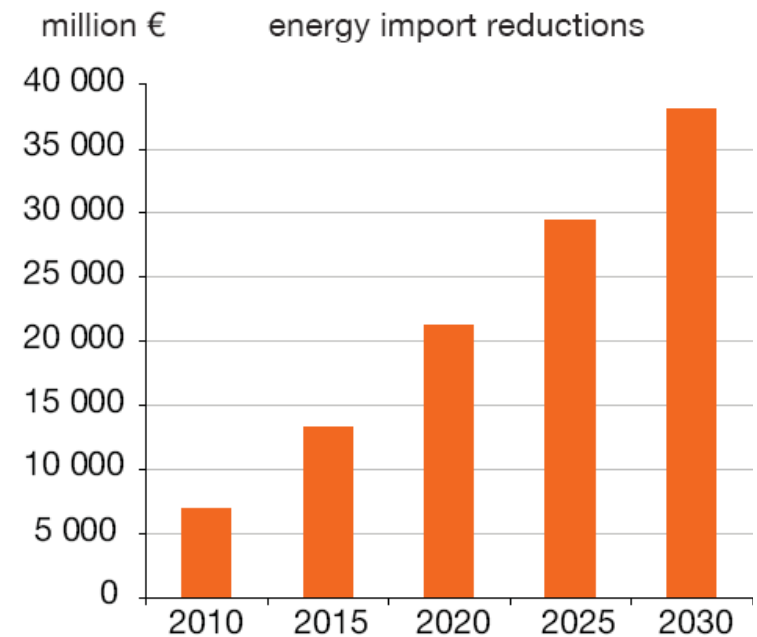
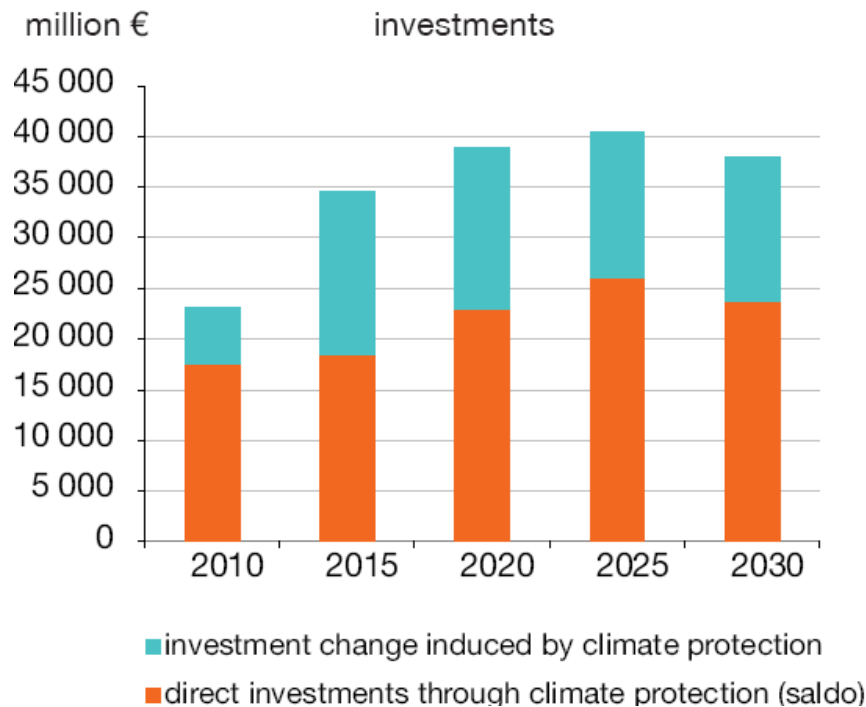
	Job Intensity	Long-Term Cost Reduction	CO ₂ Reduction	Security of Supply
Building Refurbishment	high	moderate	high	moderate
Switch to Cleaner Cars	moderate	moderate	moderate	high
Wind, Solar	high	high	moderate	moderate
Smart Metering	high	high	low	moderate
Battery Development	moderate	high	high	high
Clean Energy R&D	moderate	high	moderate	moderate
CCS	low	moderate	high	moderate

Impact:  high  moderate  low



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The case of Germany



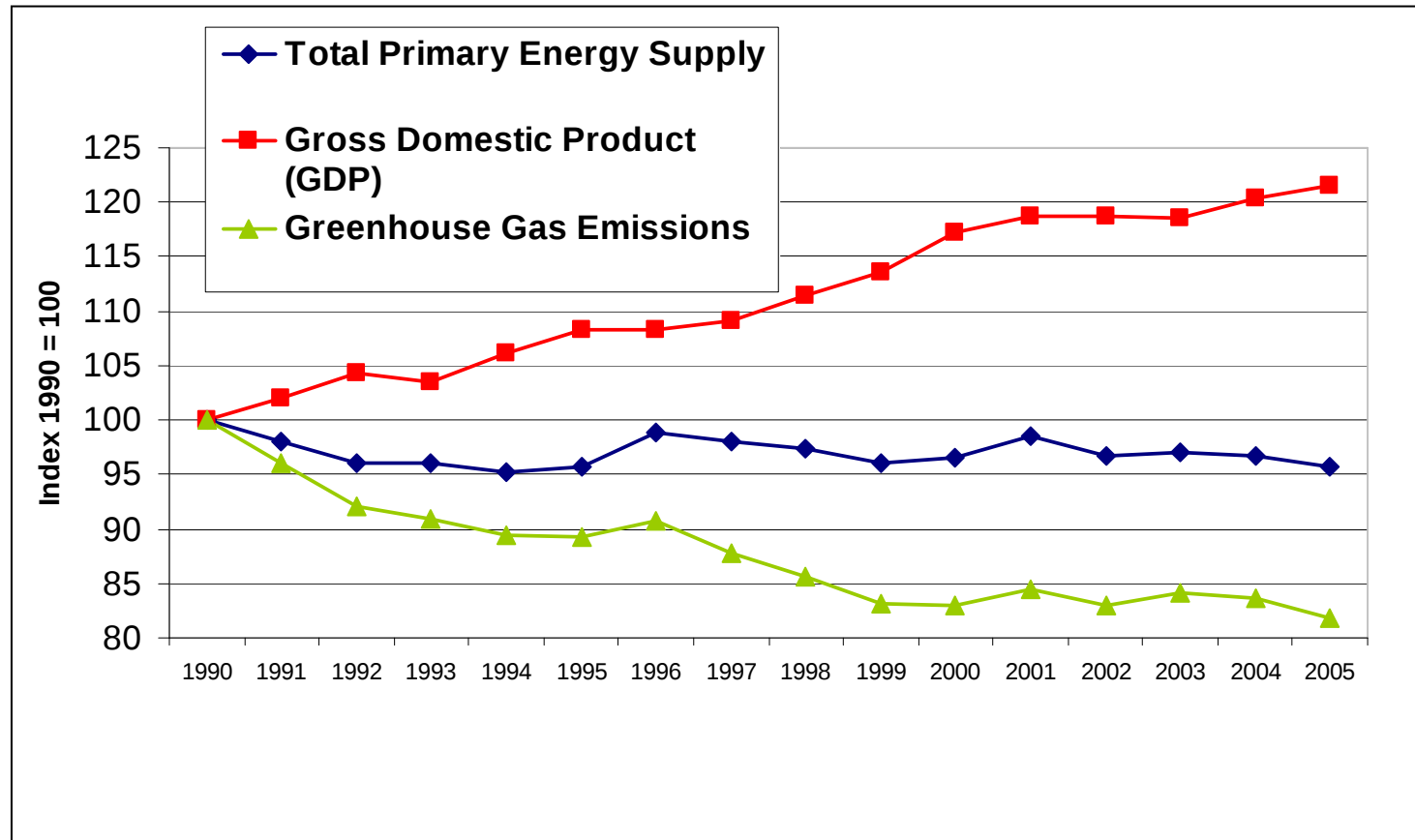
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Decoupling of economic growth and GHG emissions in Germany



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Business opportunities

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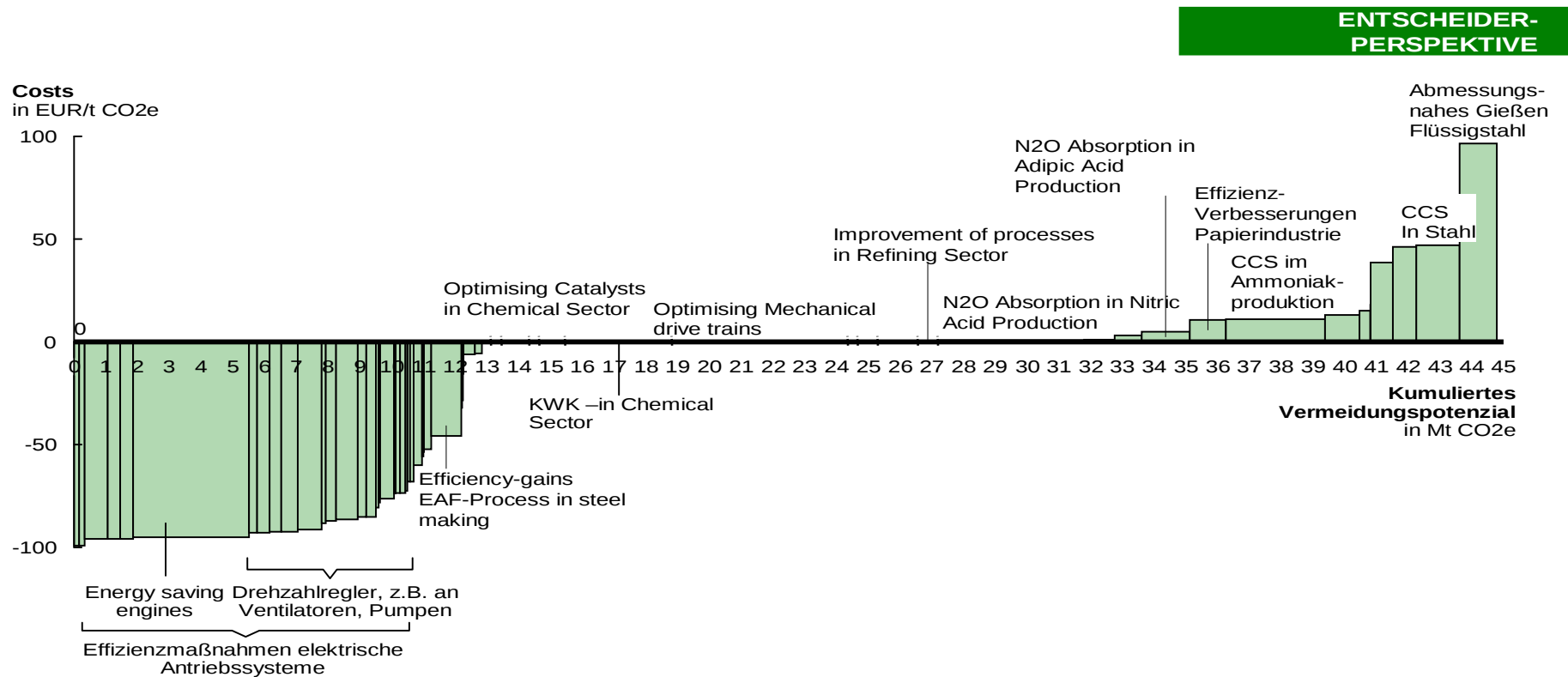
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McKinsey - Germany

INDUSTRIESEKTOR: VERMEIDUNGSKOSTENKURVE – DEUTSCHLAND 2020



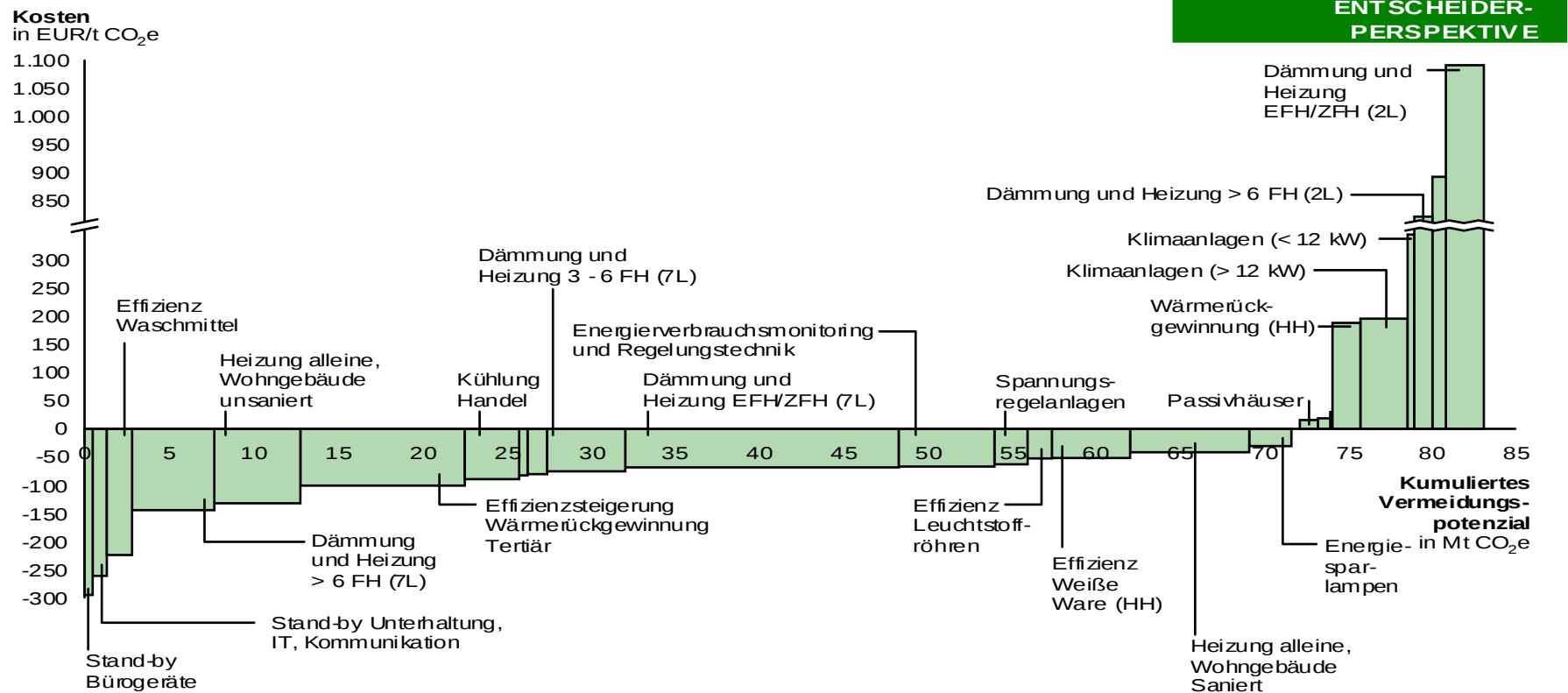
Quelle: AG Industrie



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GEBÄUDESEKTOR: VERMEIDUNGSKOSTENKURVE – DEUTSCHLAND 2020



Quelle: AG Gebäude

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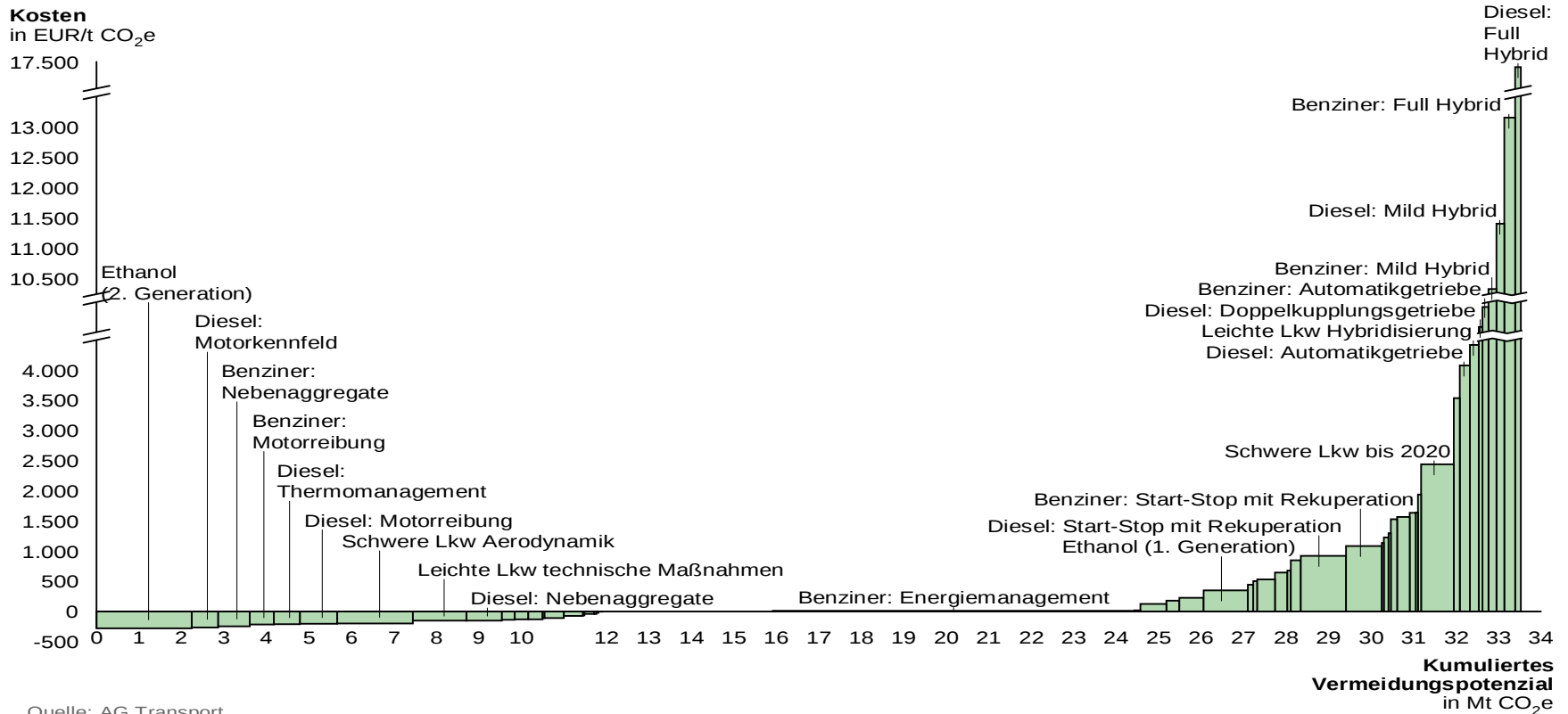
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TRANSPORTSEKTOR: VERMEIDUNGSKOSTEN- KURVE – DEUTSCHLAND 2020

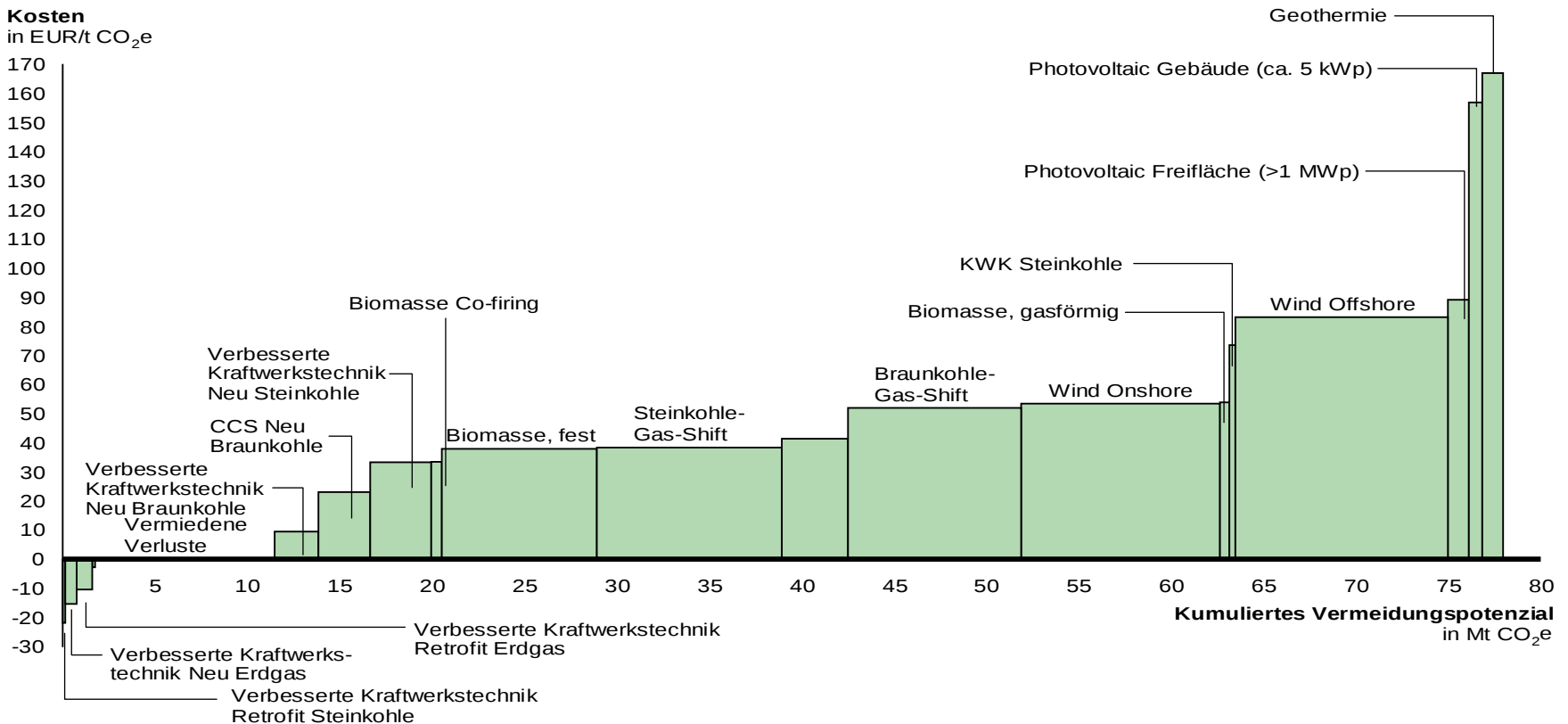




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ENERGIESEKTOR: VERMEIDUNGSKOSTENKURVE – DEUTSCHLAND – DEUTSCHLAND 2020*

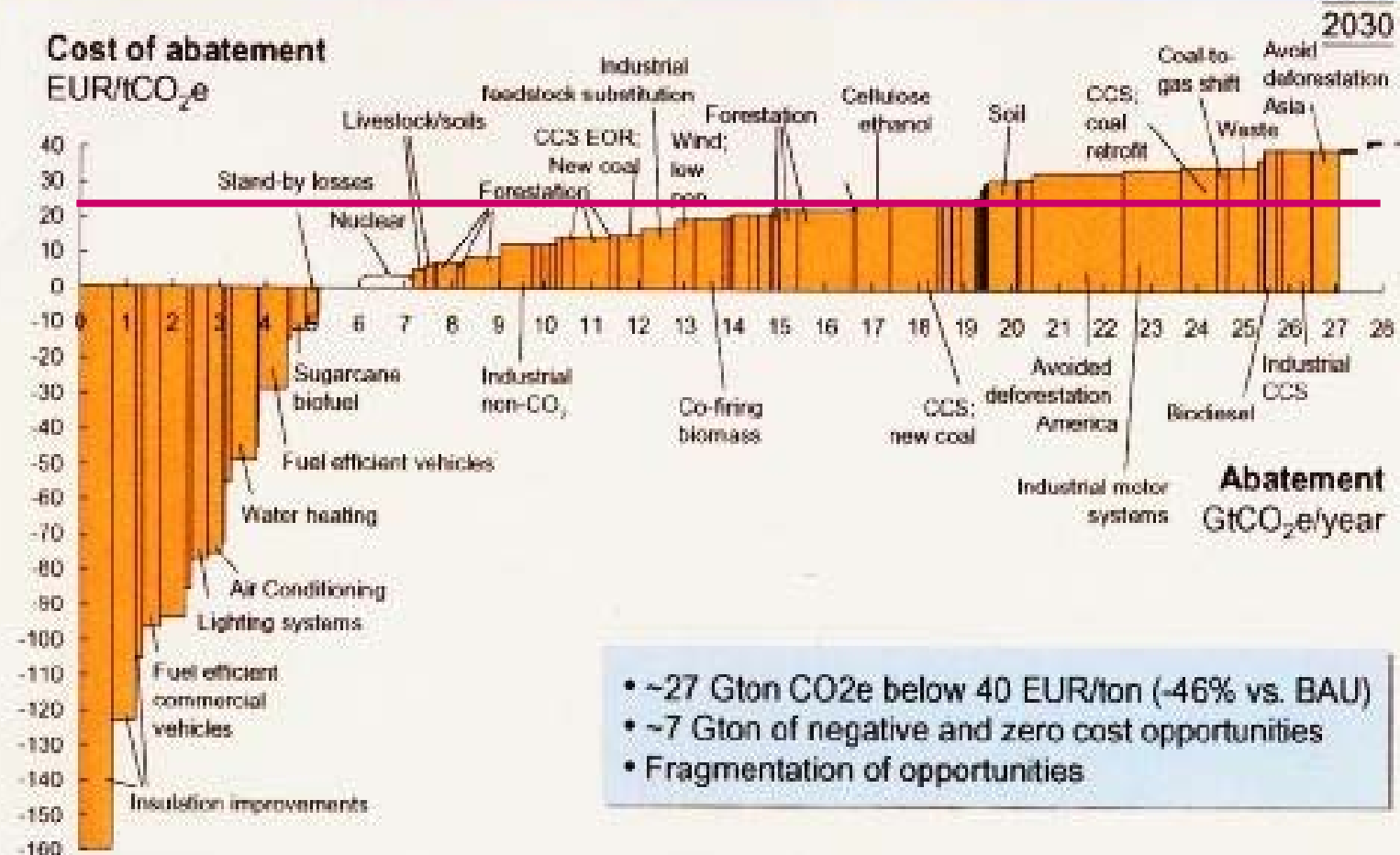


* Bei Beibehaltung Kernkraftausstieg

Quelle: AG Energie

Mc Kinsey – the global perspective

Global cost curve of GHG abatement opportunities beyond business as usual





Green Fiscal Measures G20

BMU: high interest in further promoting & developing the concept of „Global Green Recovery“

- 25% of the stimulus packages should be used for renewable energy & efficiency (currently 13% in Germany)**



Thank you for your attention!

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