

# **"Raucherentwöhnung": Wie können Klimaschutzprogramme zu einer gesunden Wirtschaft beitragen?**

Lange Nacht der Wissenschaften

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# Das Europäische Klimaziel

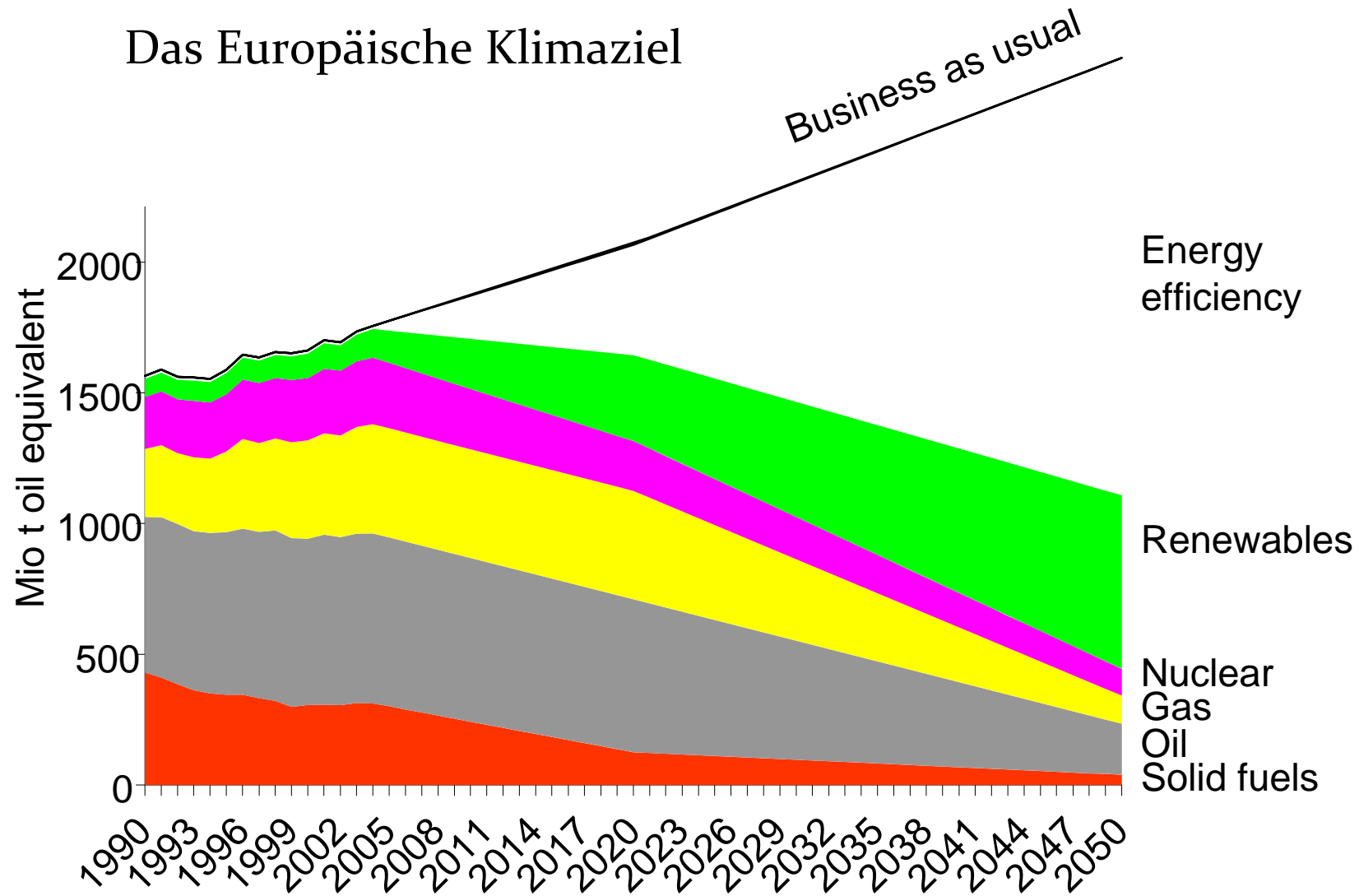
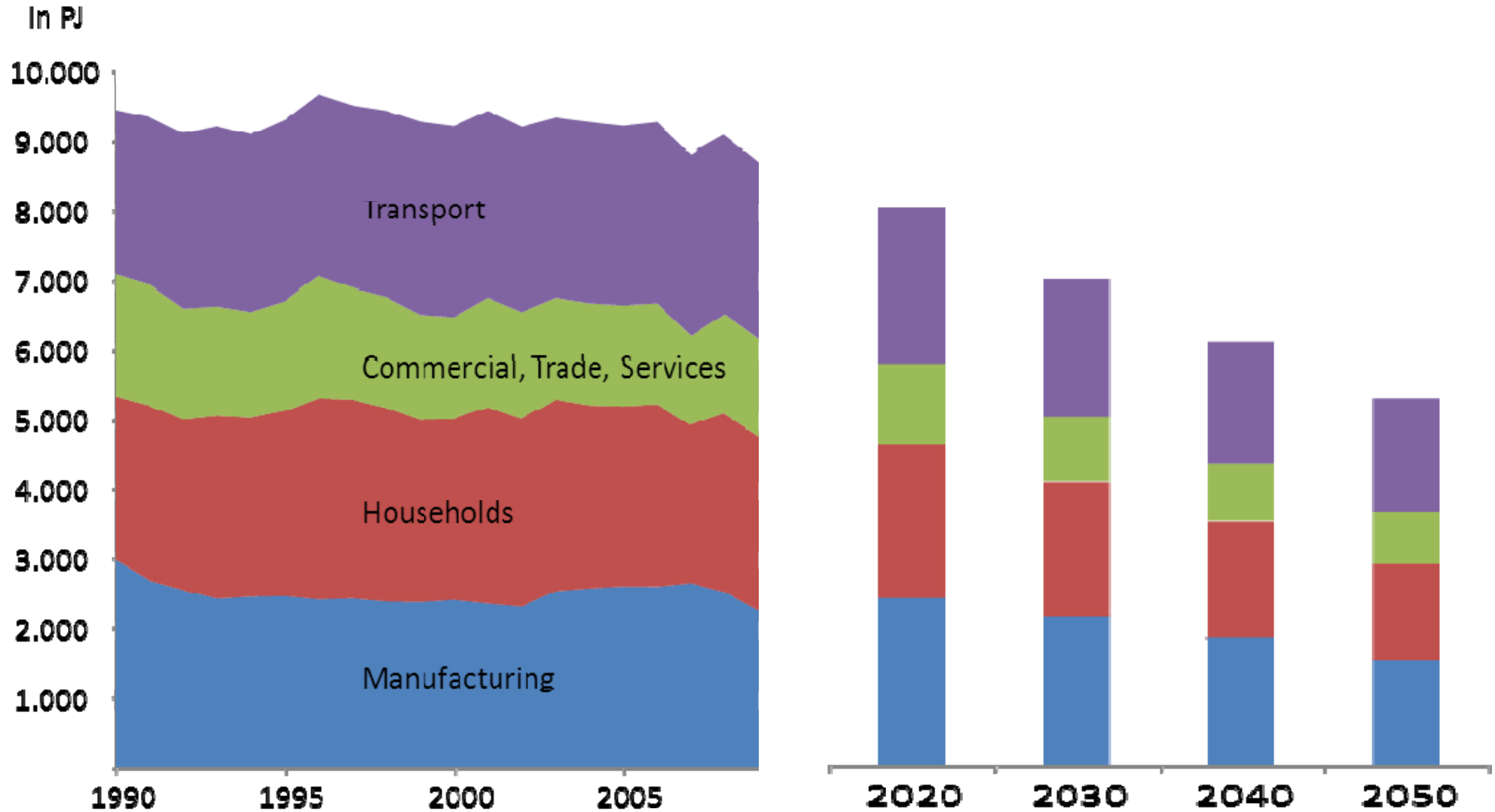


Figure 4.4 Using long-term emissions targets to assess the roles of different technologies over the next four decades (example EU-25).



# Energieeffizienz in allen Sektoren



## Cap and Trade - Eine Rolle des Emissionshandels

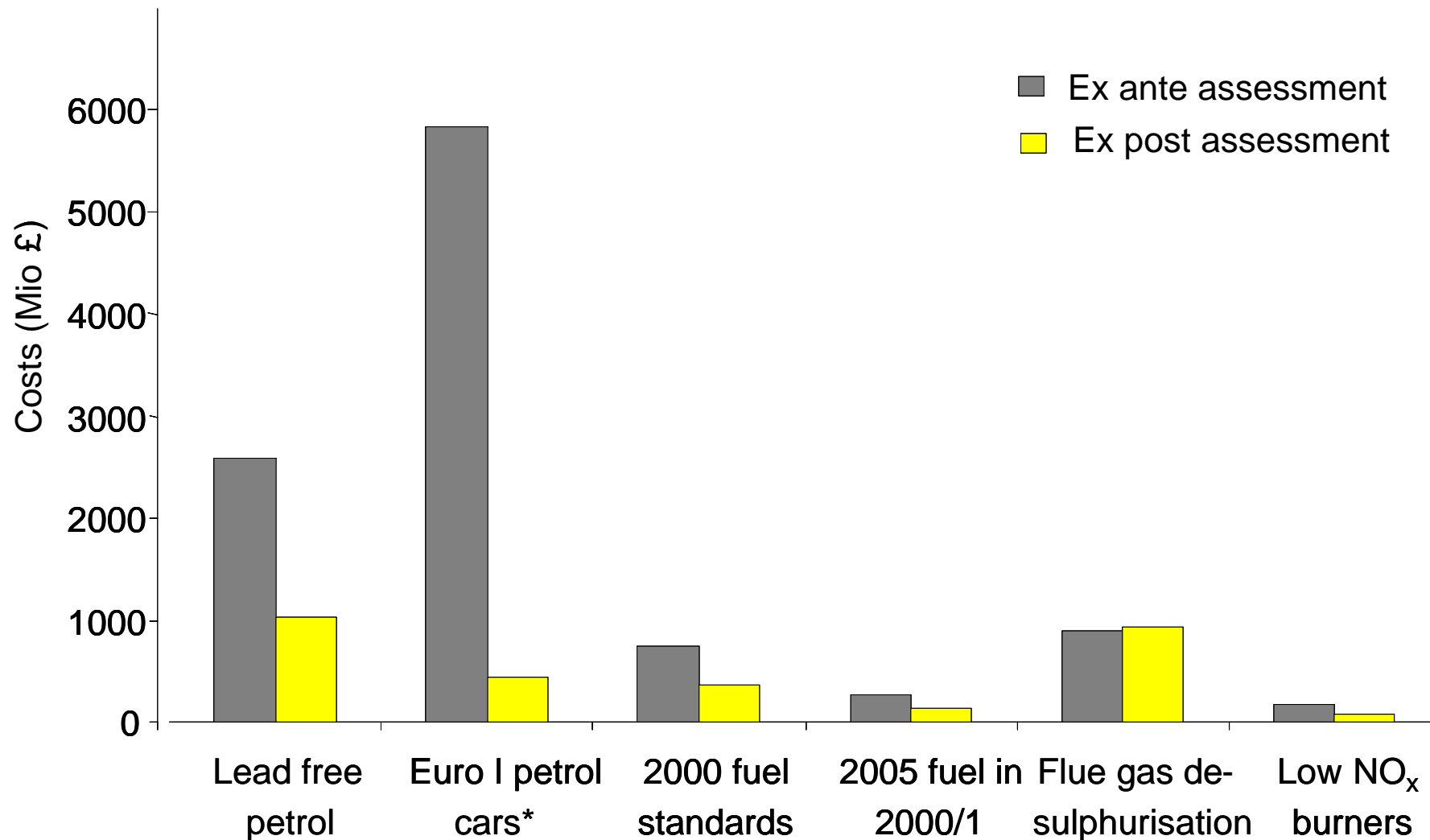
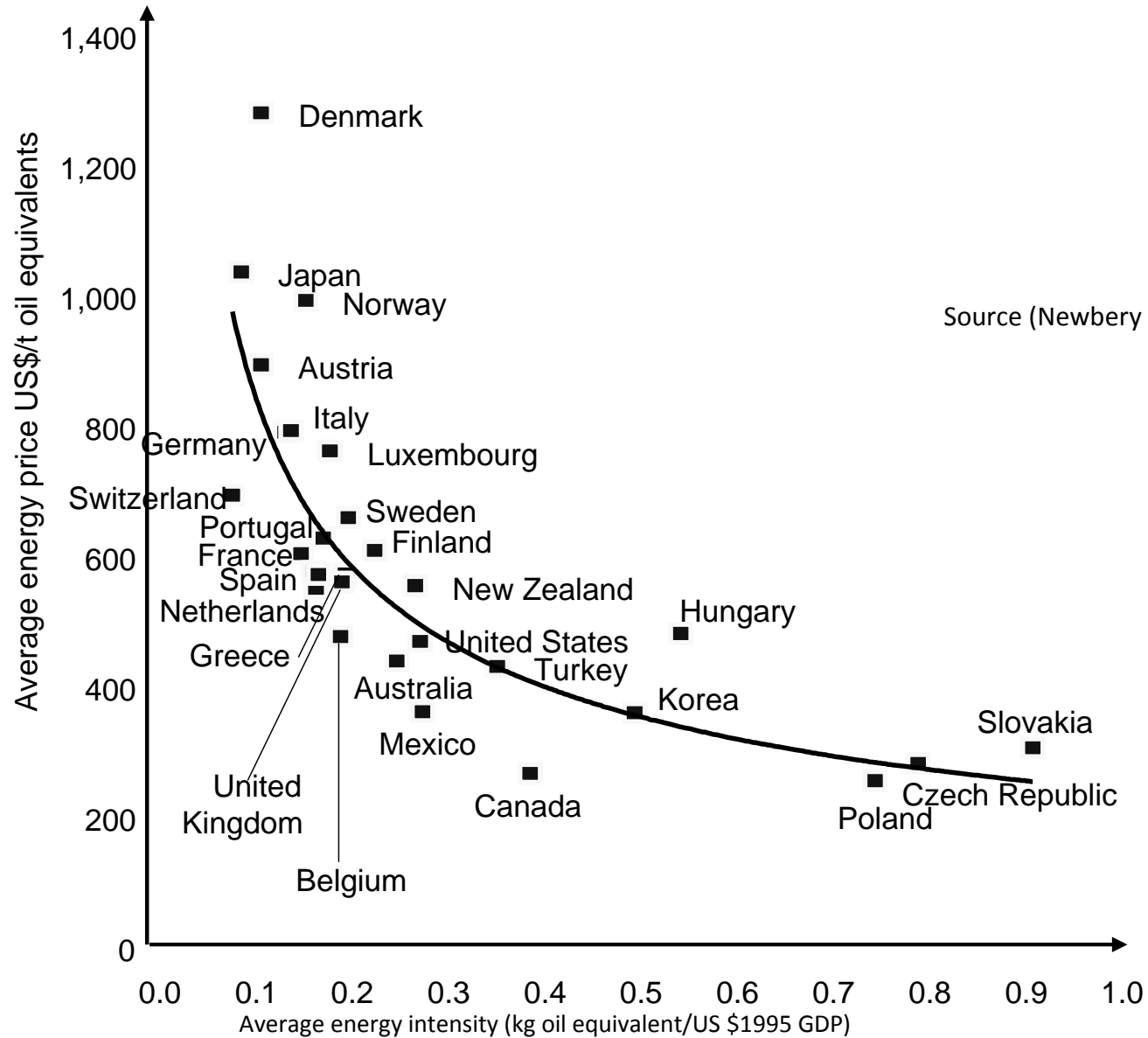


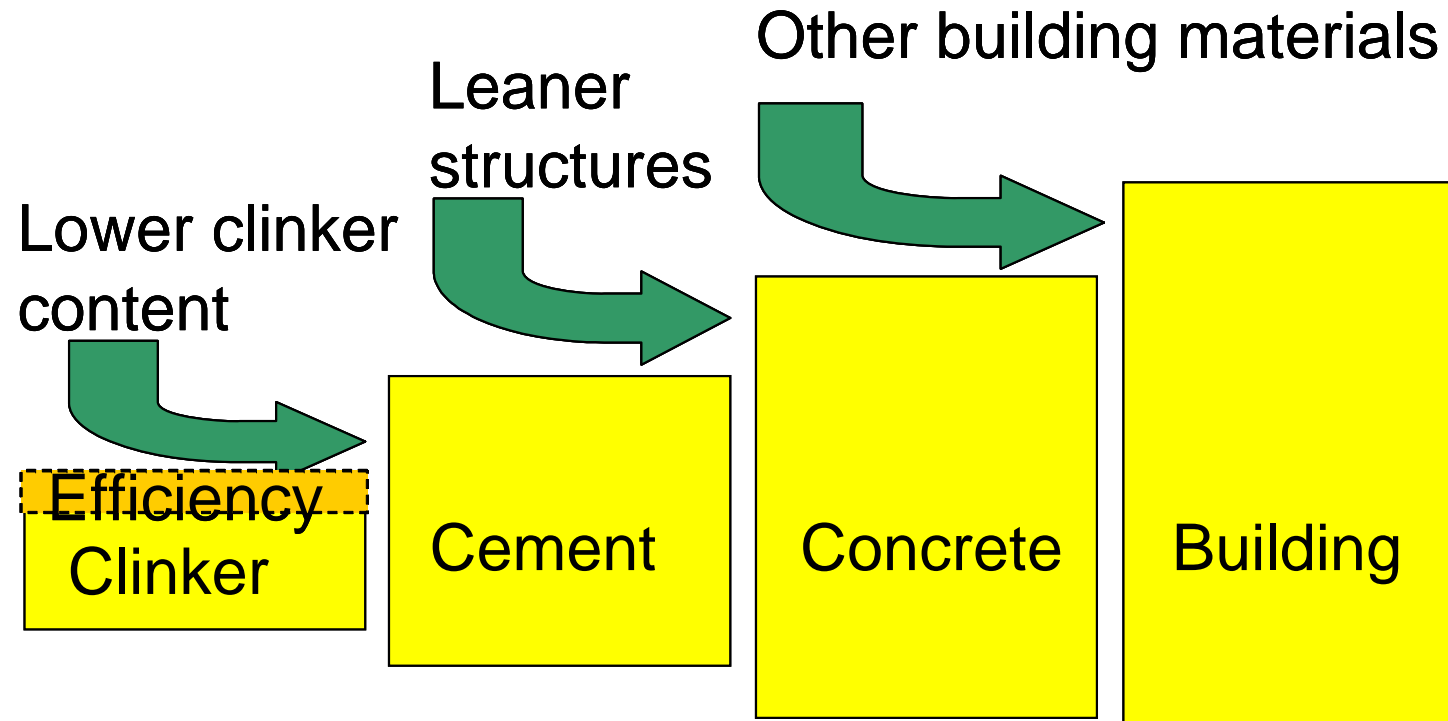
Figure 4.7 Ex ante and Ex post cost assessments of UK policies (AEA Technology Environment 2004)



# CO<sub>2</sub> Bepreisung – Wirkung am Bsp. Energiepreise



# Wertschöpfungskette – wie der Preis wirkt



# Entscheidungen unterstützen (i): Aufmerksamkeit

## A: Current policies & long-term targets mutually reinforcing

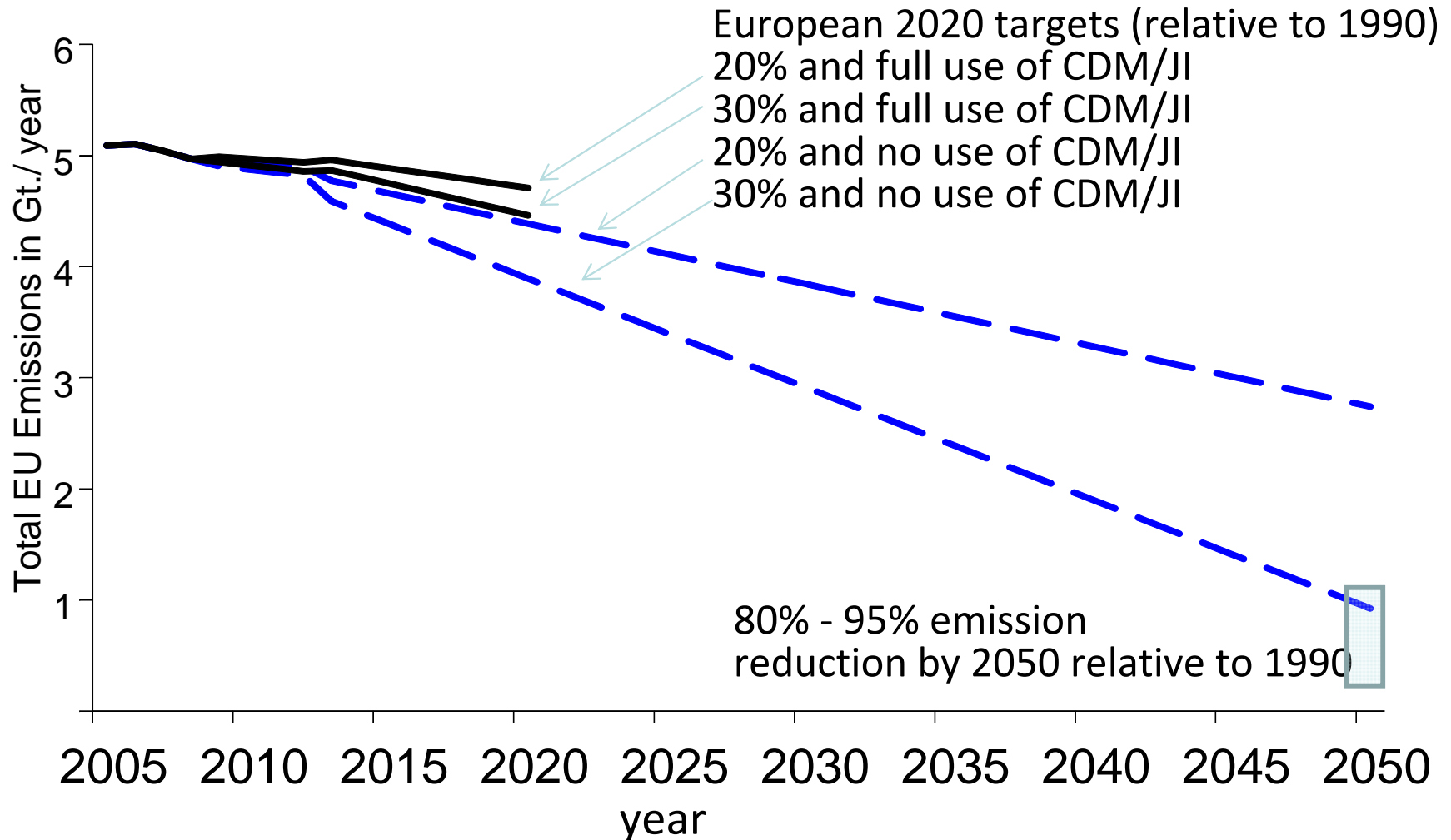
for low-carbon investment and innovation activities, the relevance attributed to long-term climate policy targets and to EU ETS is highly correlated

	Power generators		Technology Providers	
	new plants	RD&D	sales	RD&D
EU ETS	.427**	.599**	.371**	.364**
Tech-spec support policies	.184	.312	.404**	.313**

ISI-Fraunhofer/ETH Zurich study: Two-tailed correlation of the relevance of long-term climate policy targets with EU ETS & Tech spec support policies

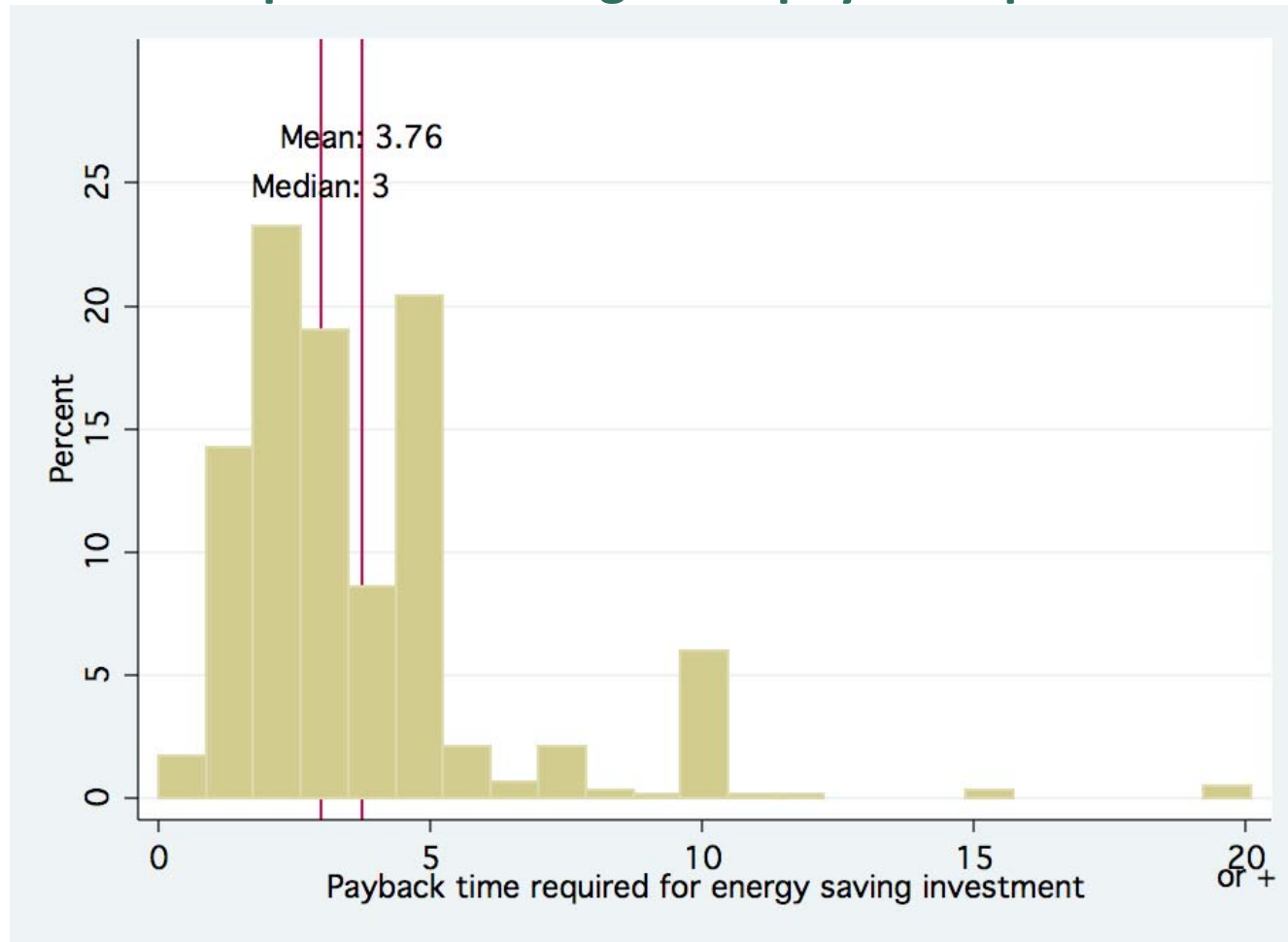


## Entscheidungen unterstützen (ii): Klarer Rahmen



# Entscheidungen unterstützen (iii): Umsetzung

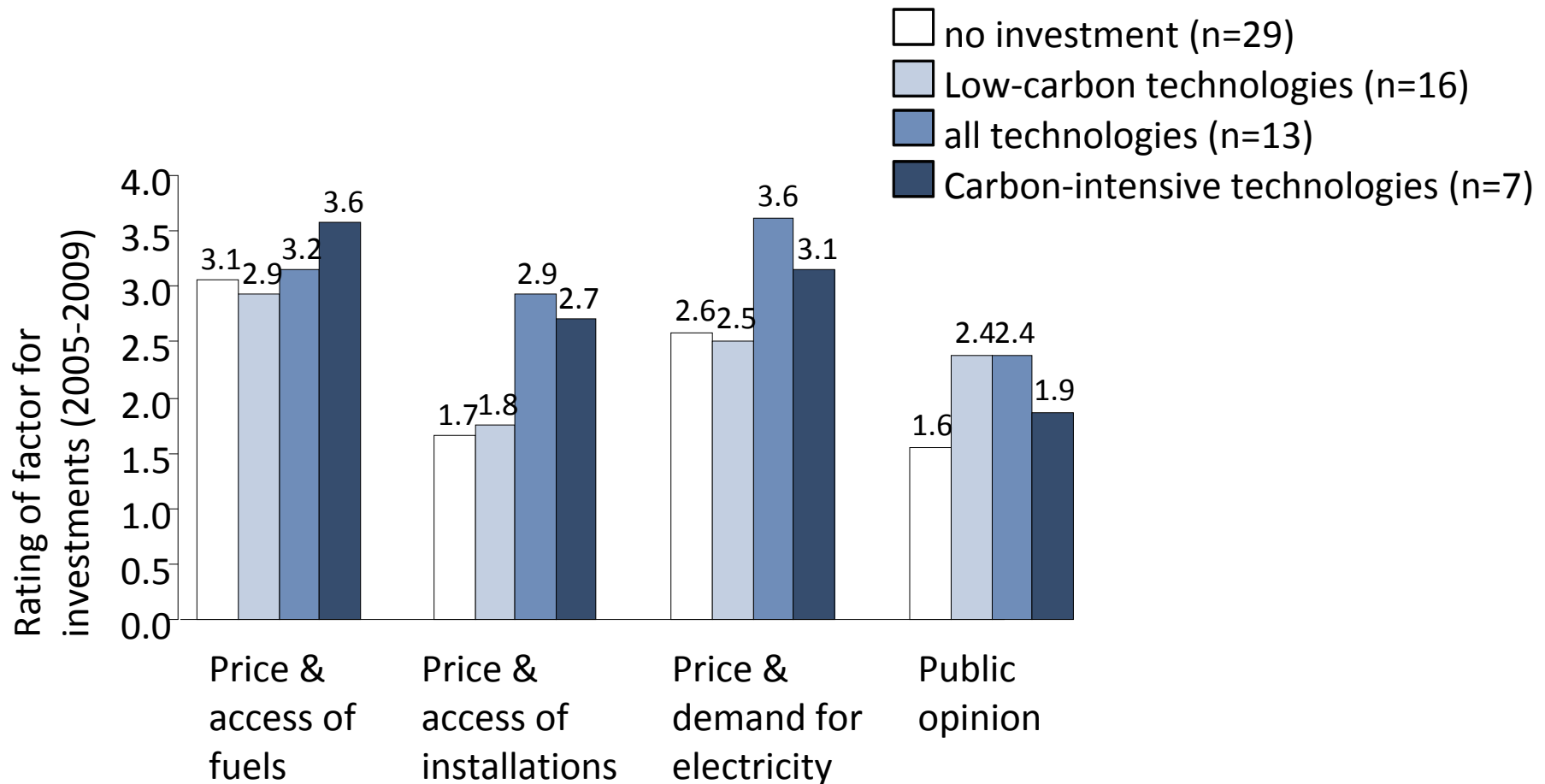
## Example: Addressing short pay-back periods



LSE/Imperial/Carlos III study: Payback times required for energy saving investments

# Entscheidungen unterstützen (iii): Umsetzung

## C: Price & access to multiple factors matter for projects



LSE/Imperial/Carlos III study: Payback times required for energy saving investments



# Die Teile des Puzzles ... Konsistenz und Synergien

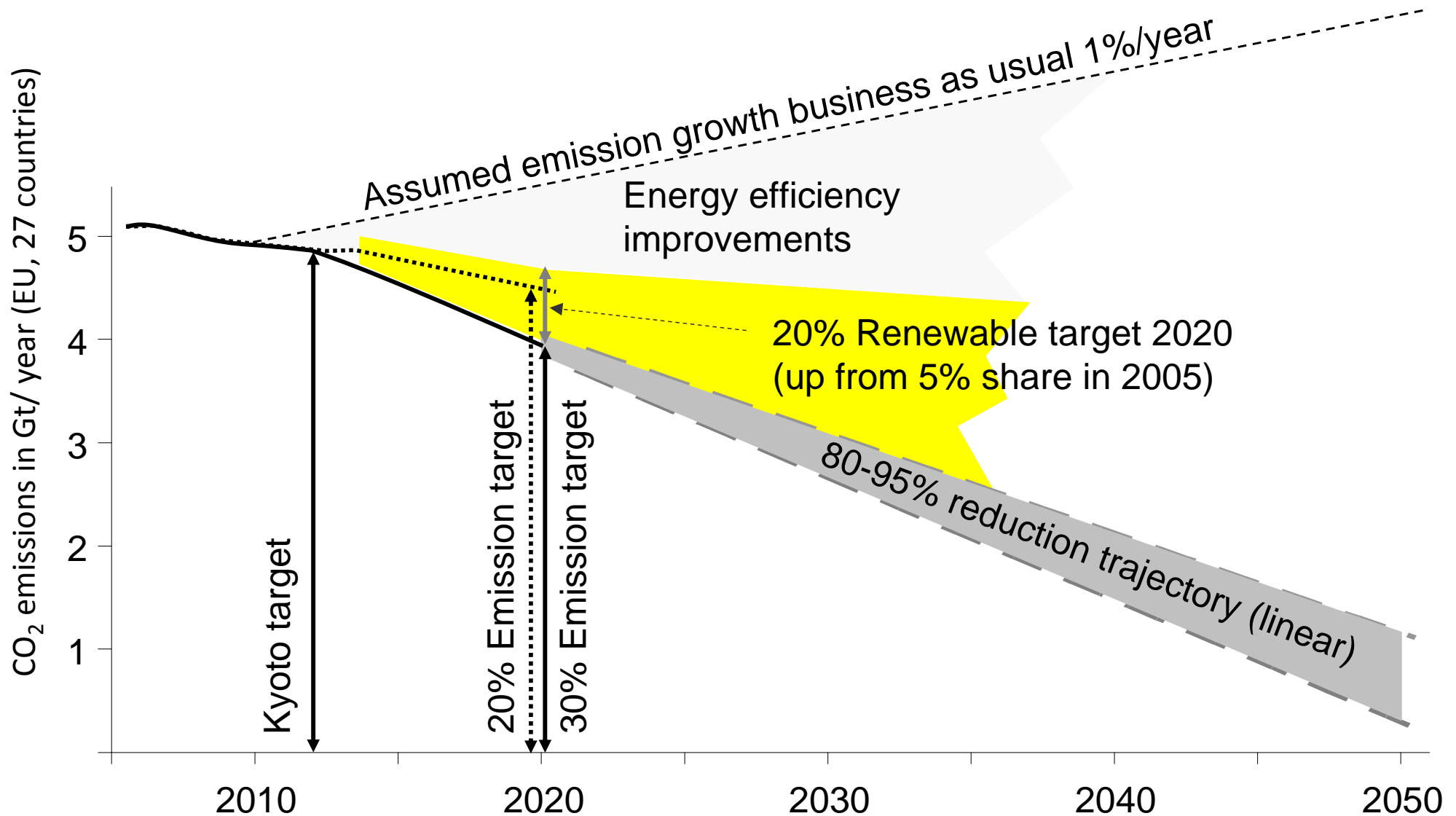
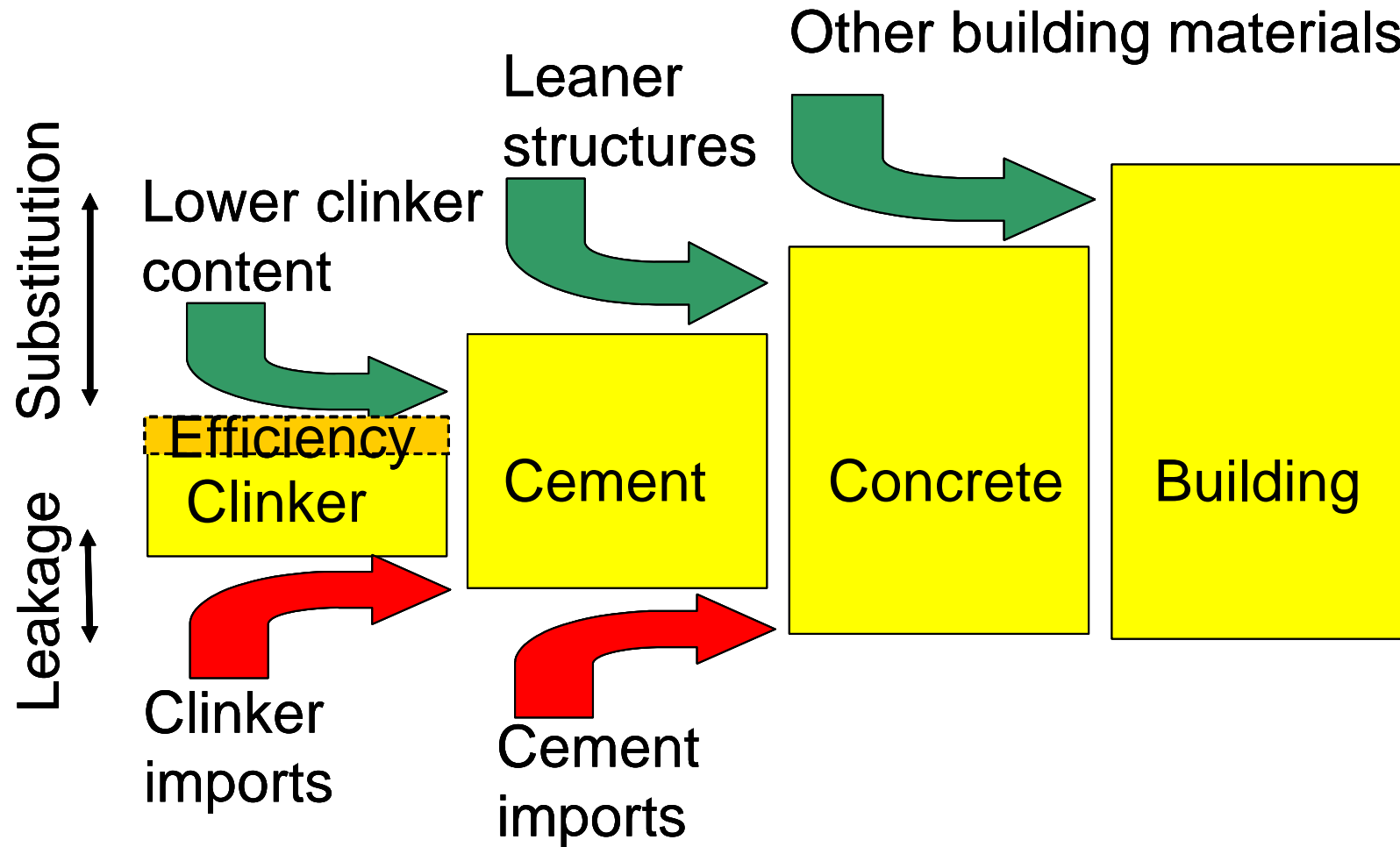
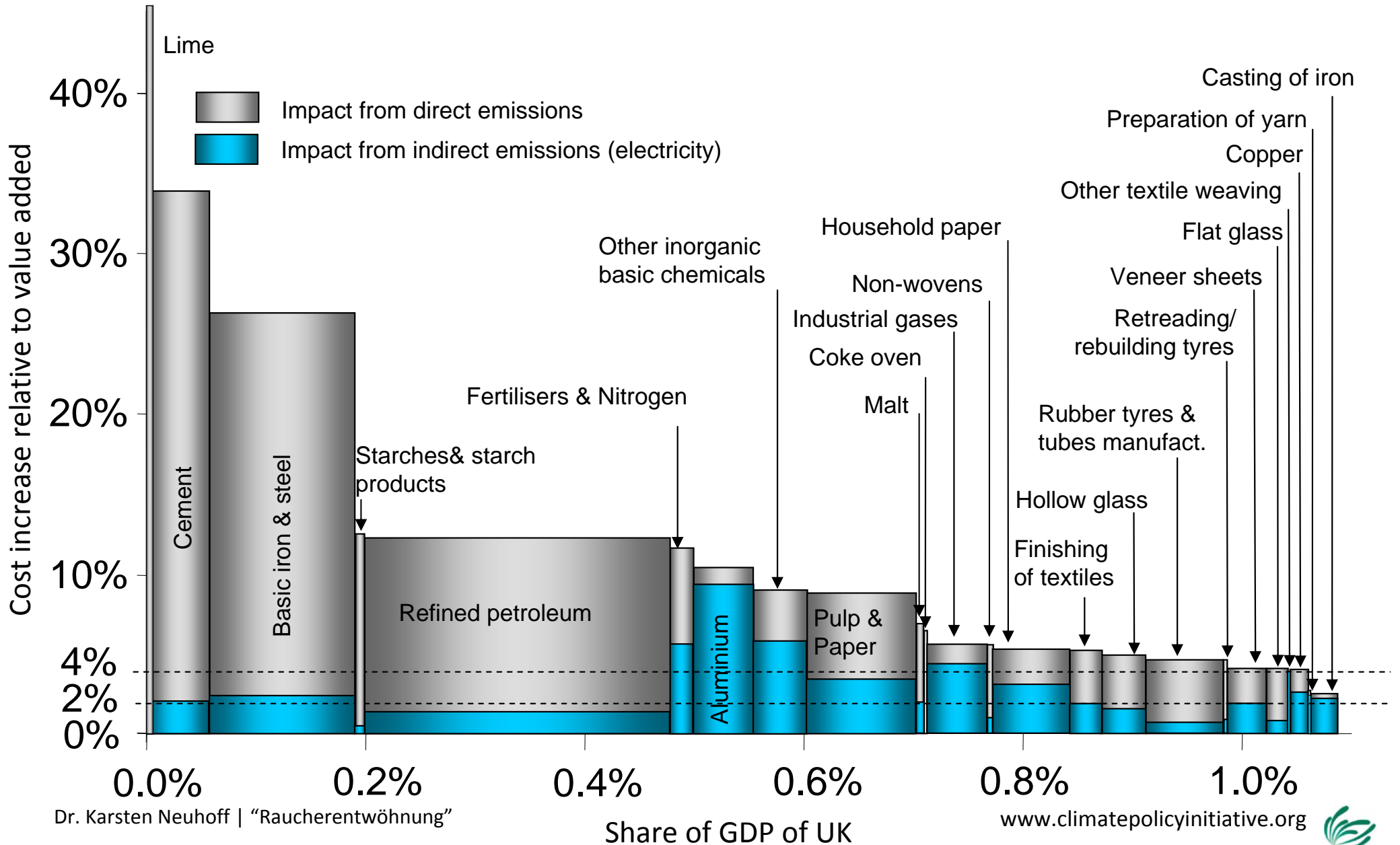


Figure 4.8 Components of a low-carbon perspective

# Emissionsverschiebung ?

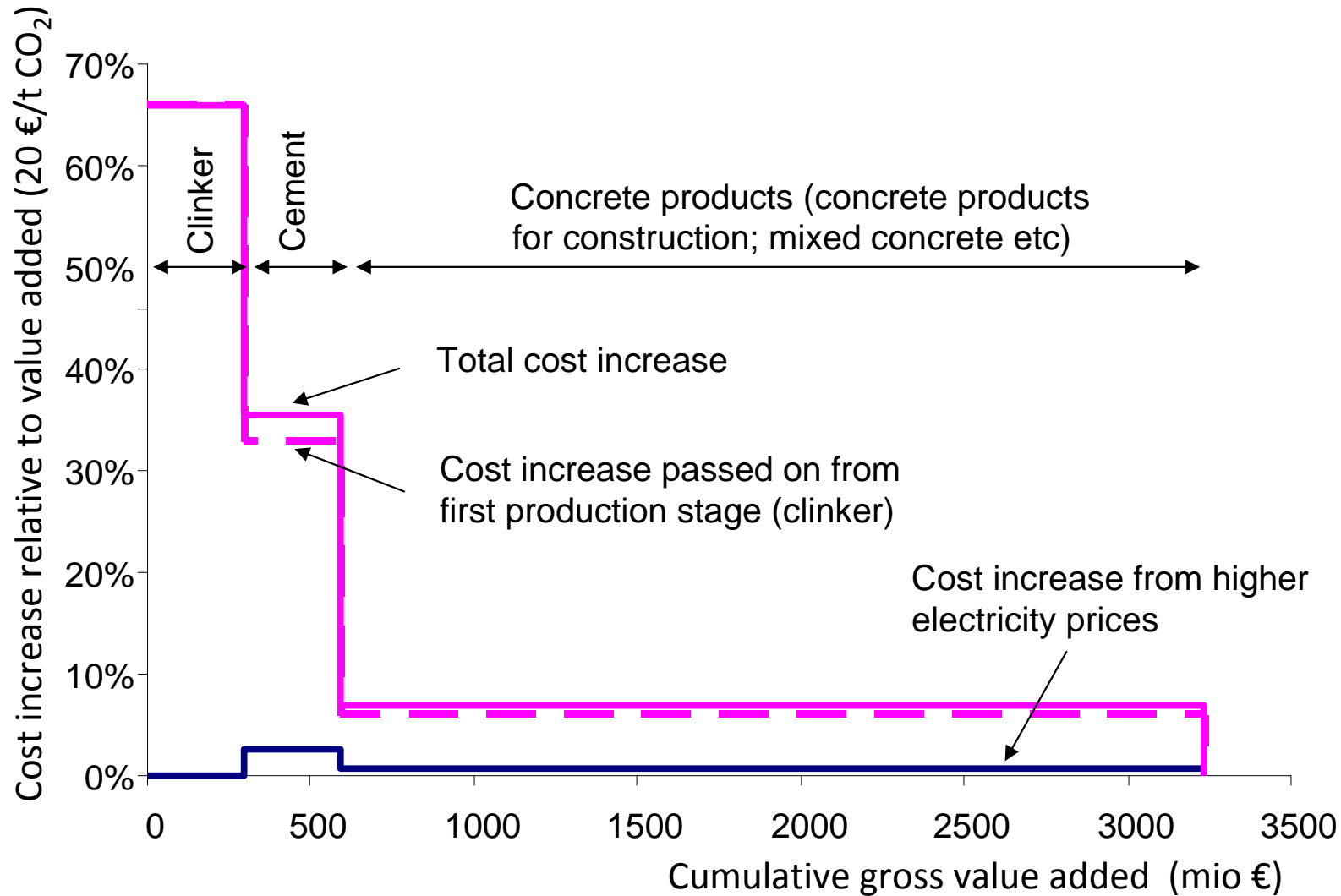


# Welche Produkte sind CO<sub>2</sub> intensiv?

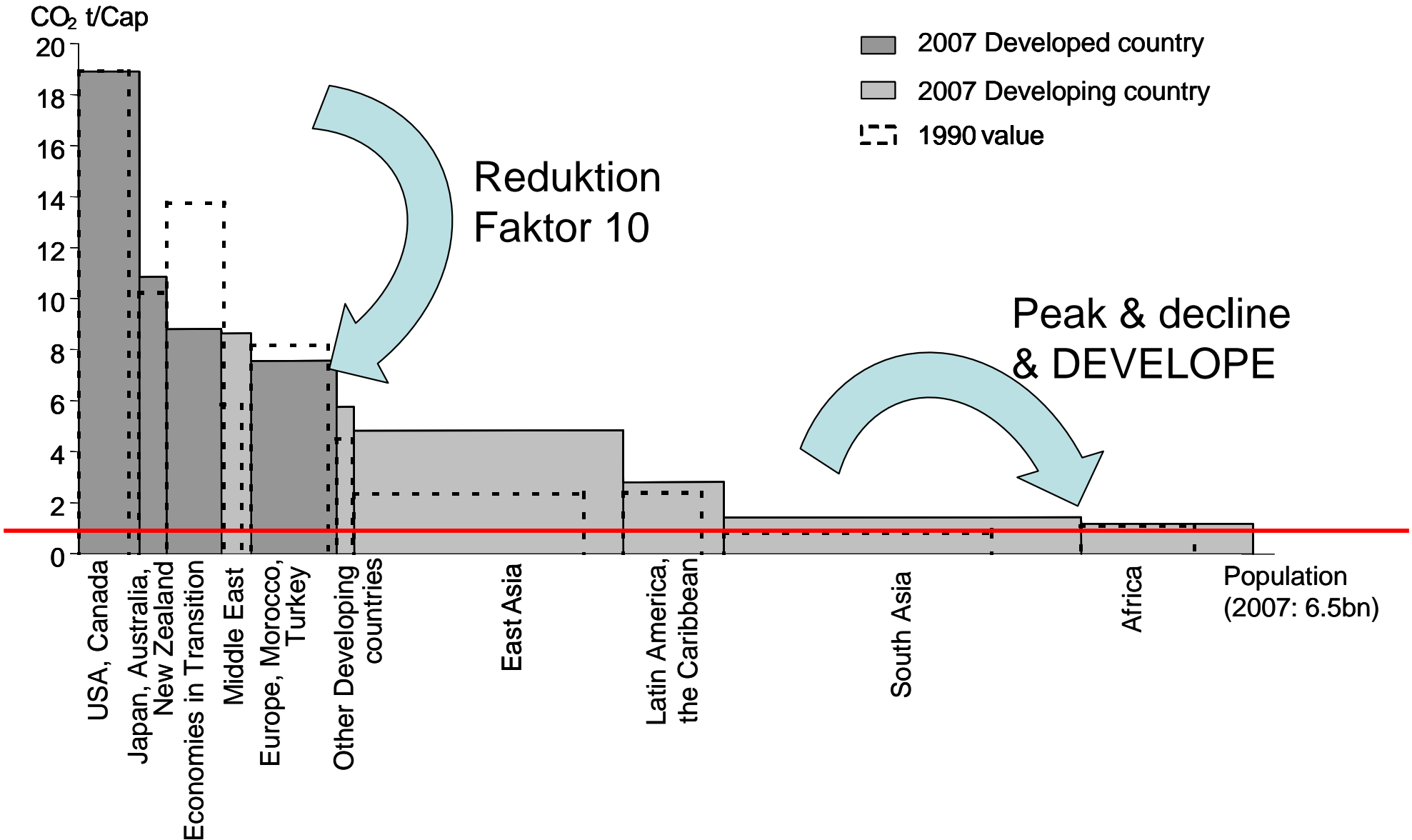


# Beispiel Zement ..

*Illustrative for UK*



# Die Herausforderung - CO<sub>2</sub> Preise zum Klimaschutz



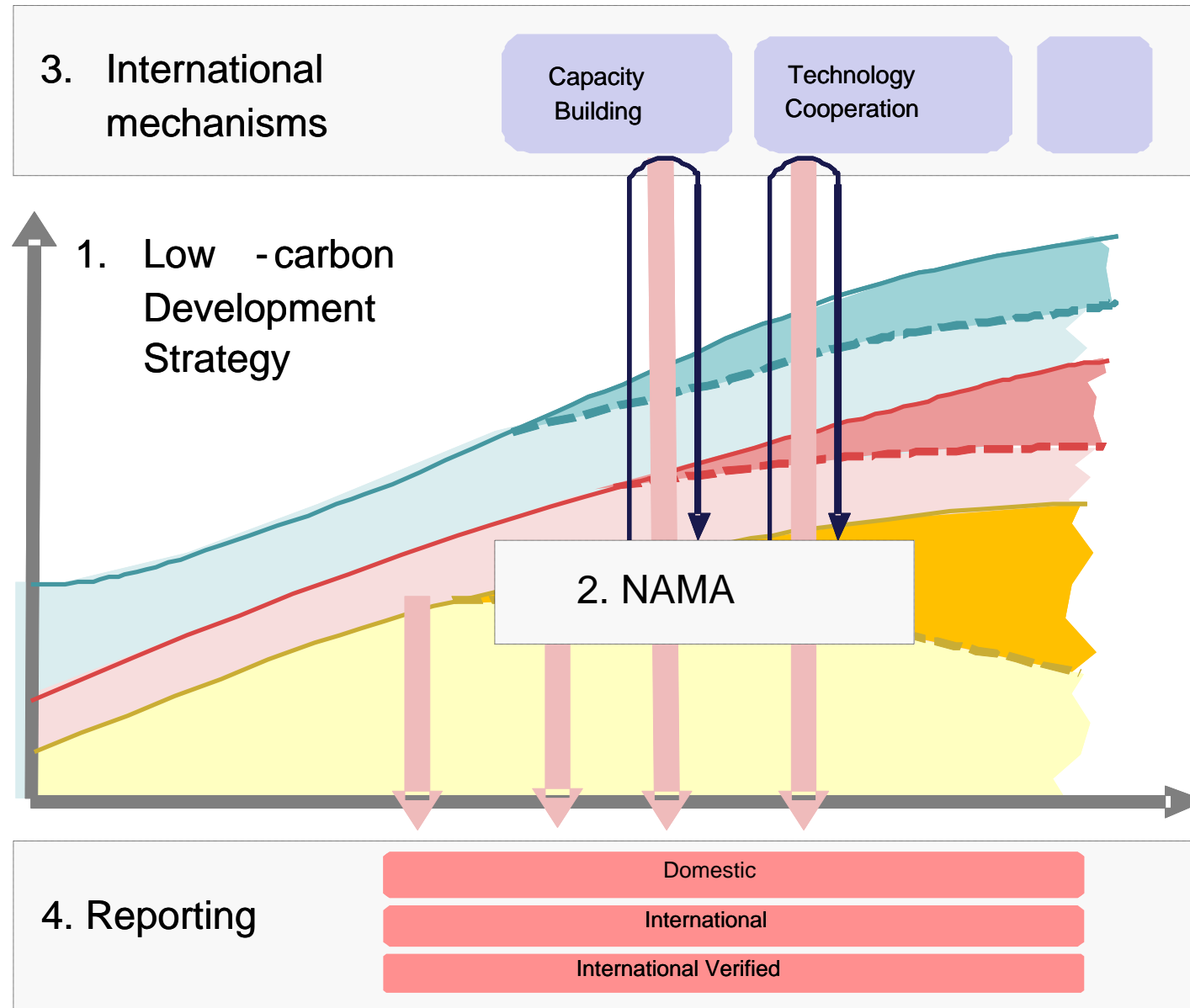


Figure 7.2 Concept for actions that allow for a transition in individual sectors or technologies

