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PBL LECTURE 8 APRIL 2013

**ANOTHER GERMAN
,SONDERWEG'? ENERGY
POLICY, SOCIAL JUSTICE AND
PUBLIC PARTICIPATION**

Agenda

Energiewende – what is it all about?

Planetary boundaries and great
transformation

Role of cities and metropolitan areas
Citizen consumers

Formats of civic participation
Justice, freedom & solidarity



InterKultur

VerantwortungsKultur

ErinnerungsKultur

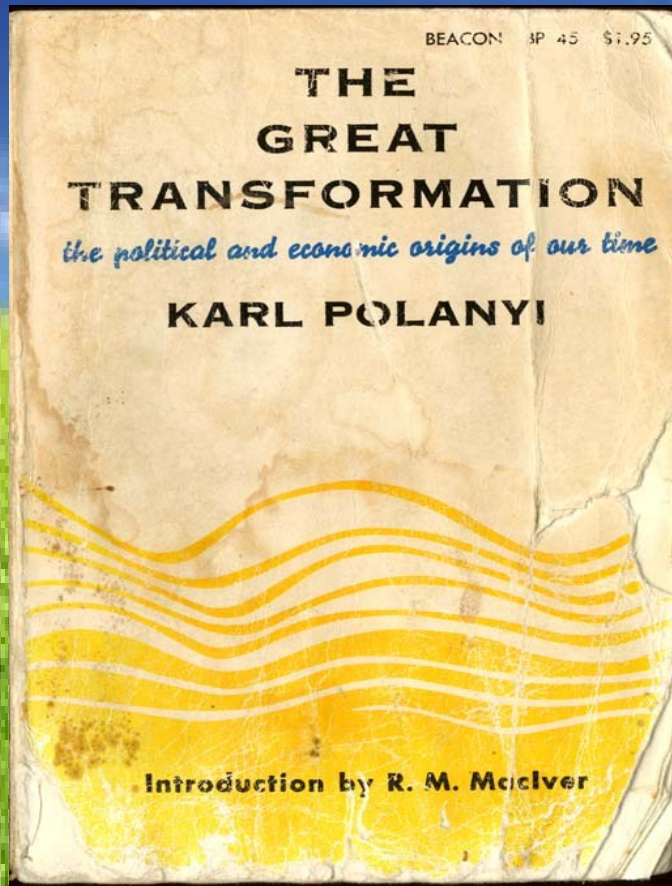
KlimaKultur







Karl Polanyi (* 21. Oktober 1886 in Wien; † 23. April 1964 in Pickering (Ontario))



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BEACON 3P 45 \$1.95

THE GREAT TRANSFORMATION

the political and economic origins of our time

KARL POLANYI

Introduction by R. M. MacIver



THE GREAT TRANSFORMATION

Climate Change as Cultural Change
International Conference

June 8 – 10, 2009 | Essen, Germany

I. *Energiewende*

What?	Where?
How?	Why?

What?

Away from...

Nuclear energy

Oil

(maybe) Gas (←
fracking)

(not really) Coal (← tax)

Into...

Renewables (Wind,
Solar, Biomass)

(a bit) efficiency (←
rebound)

(not really)

saving/sufficiency (←
transformation)

State of affairs

Germans – let them fail, but what when they succeed?

Right thing to do but...

underperformed...
malcommunicated...
dysfunctional...

Goals & accomplishments

1990-2012 – 21 %

GHG emissions

2020: -40 %

2030: -55 %

2050: -80-90%

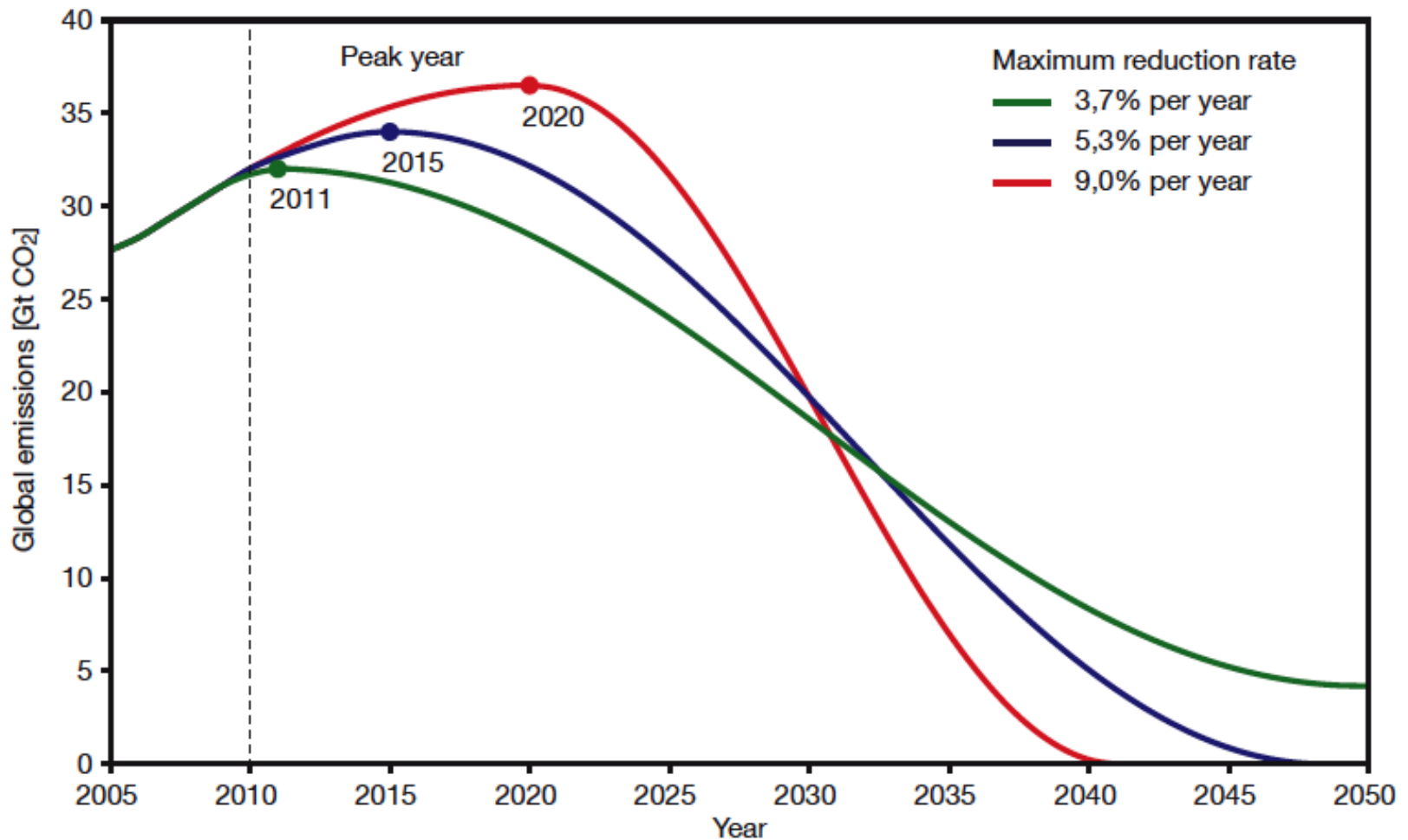
Renewables: ca. 15 %

2020: 18 %

2030: 30 %

2050: 60 %

Why? - Planetary boundaries

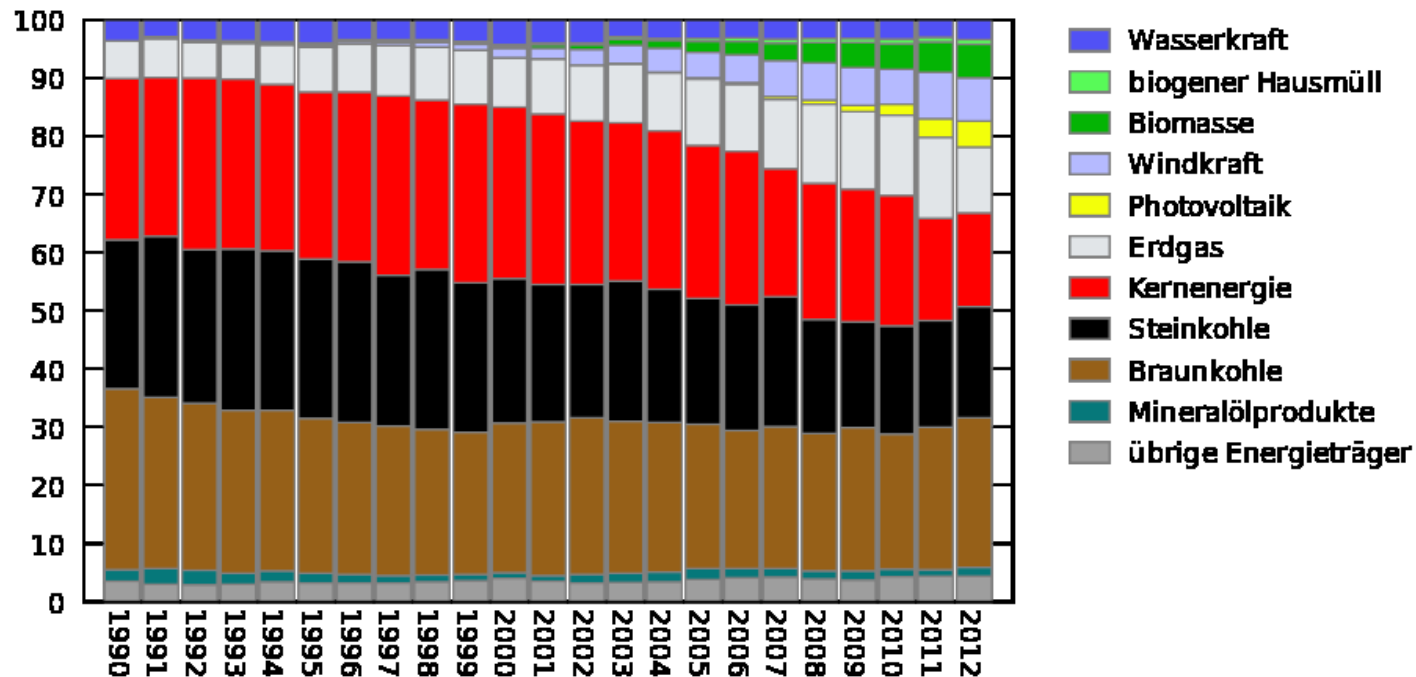


Fukushima two years later...

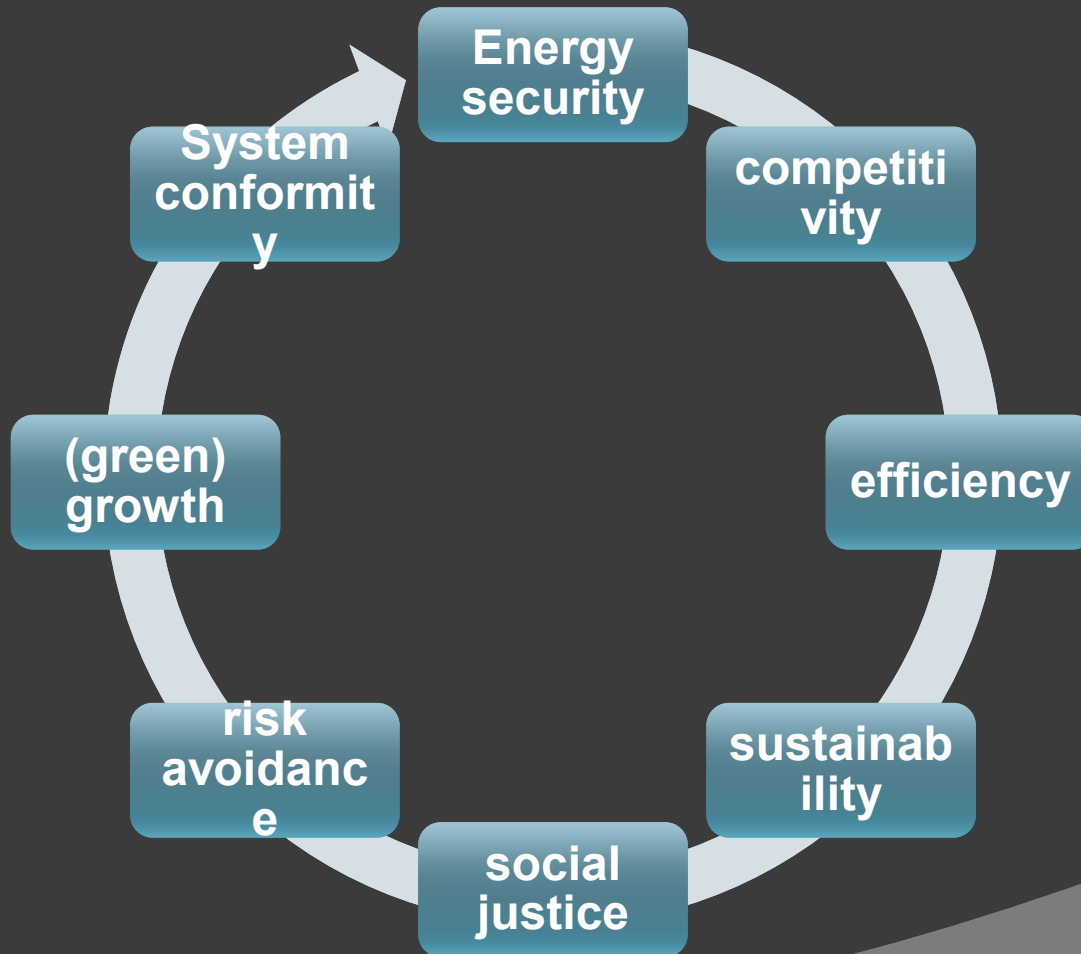
- + implementation
- + substitution nuclear energy (without blackout)
(electricity export + 2,1 % 2012)
- focus on production
- bottleneck grid
- no masterplan
(incl. energy research)
- populist campaign re. electricity costs
- lack of civic participation
- GHG emissions increase

Energy mix Germany 1990-2012

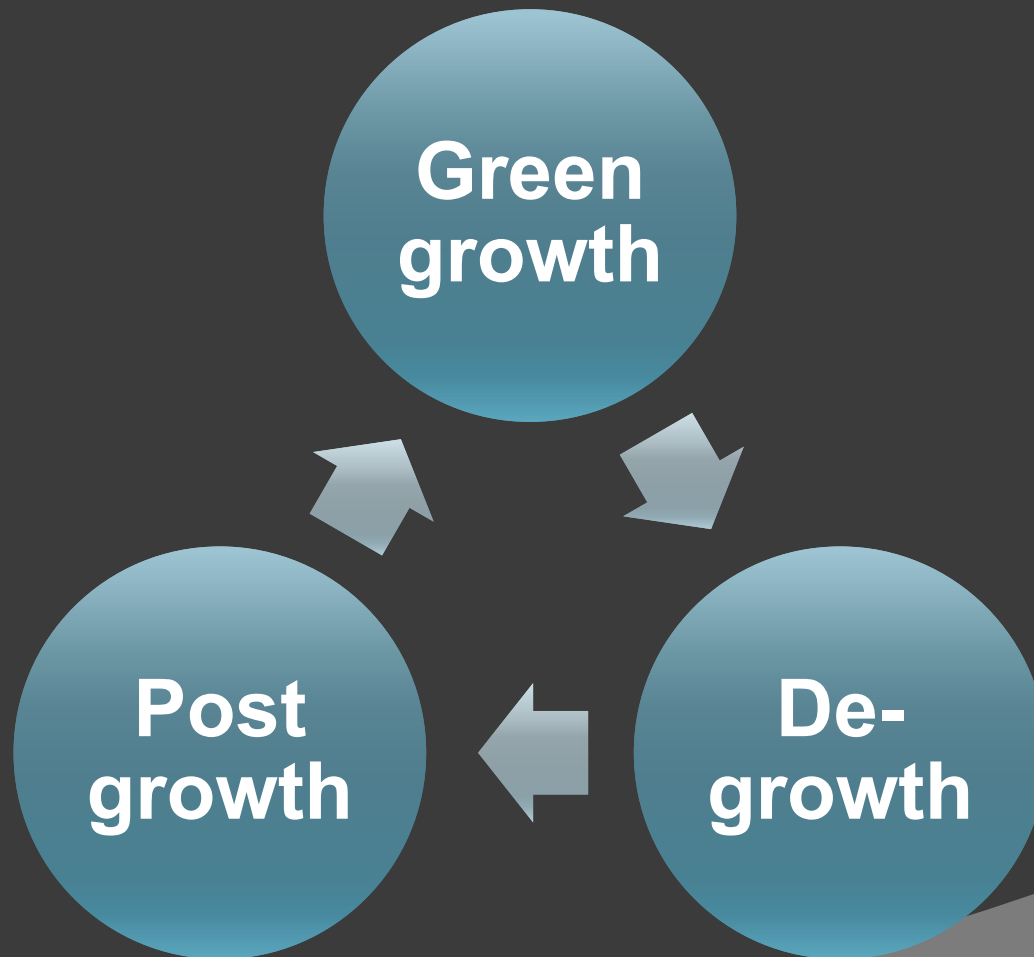
Bruttostromerzeugung in Deutschland nach Energieträgern 1990 - 2012 in Prozent



Complex task



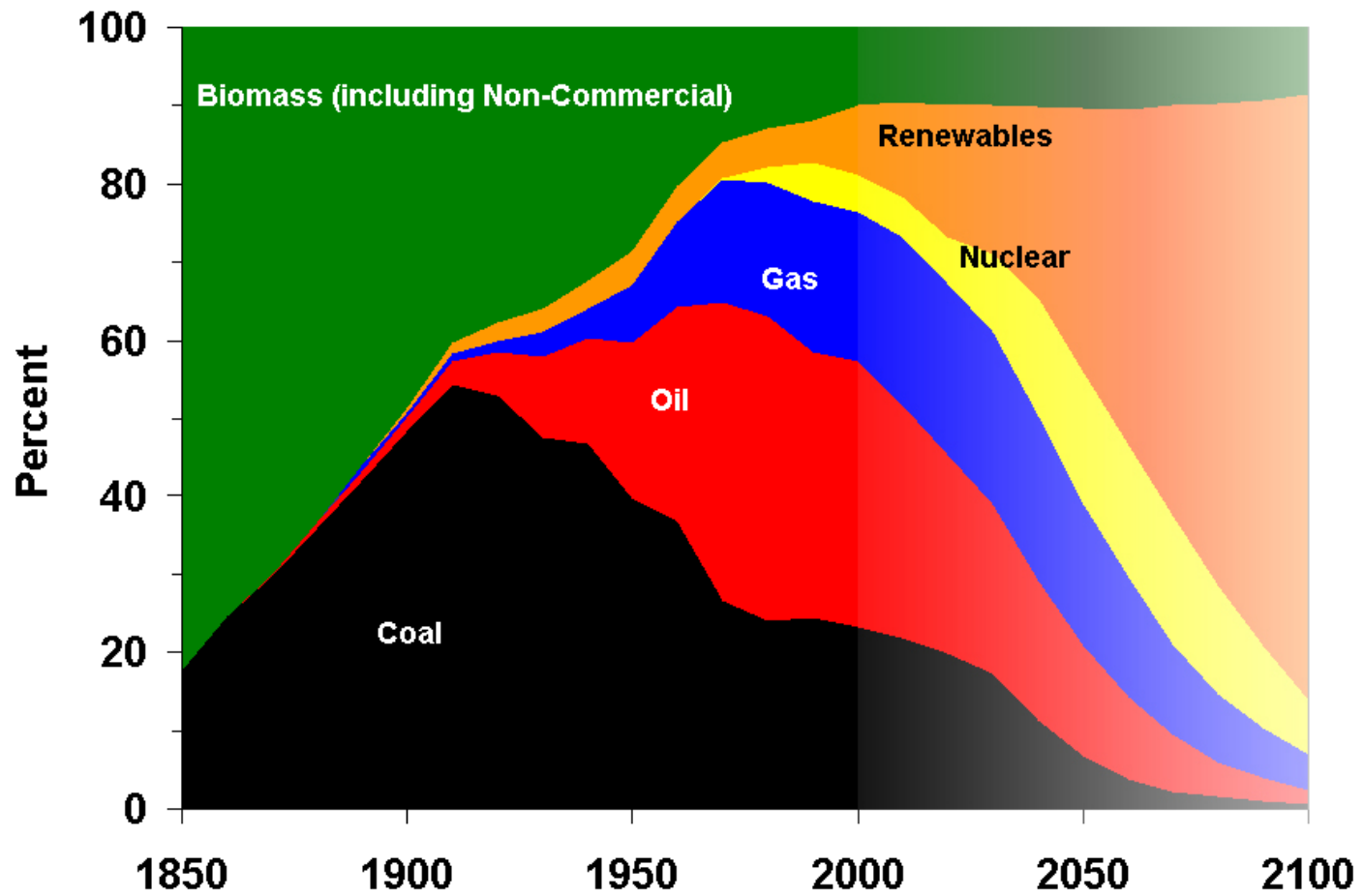
Where? - Post carbon strategies



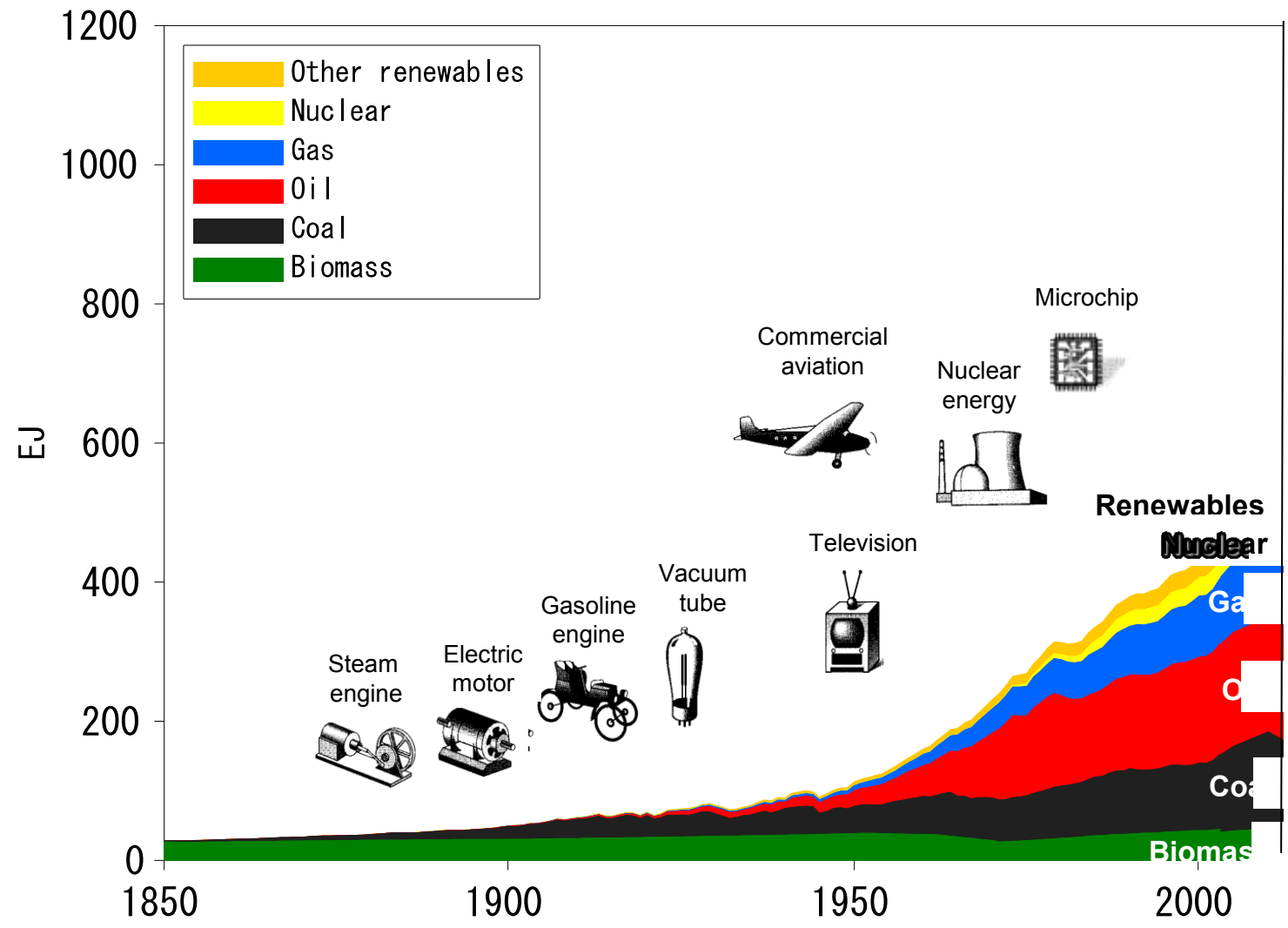
challenges



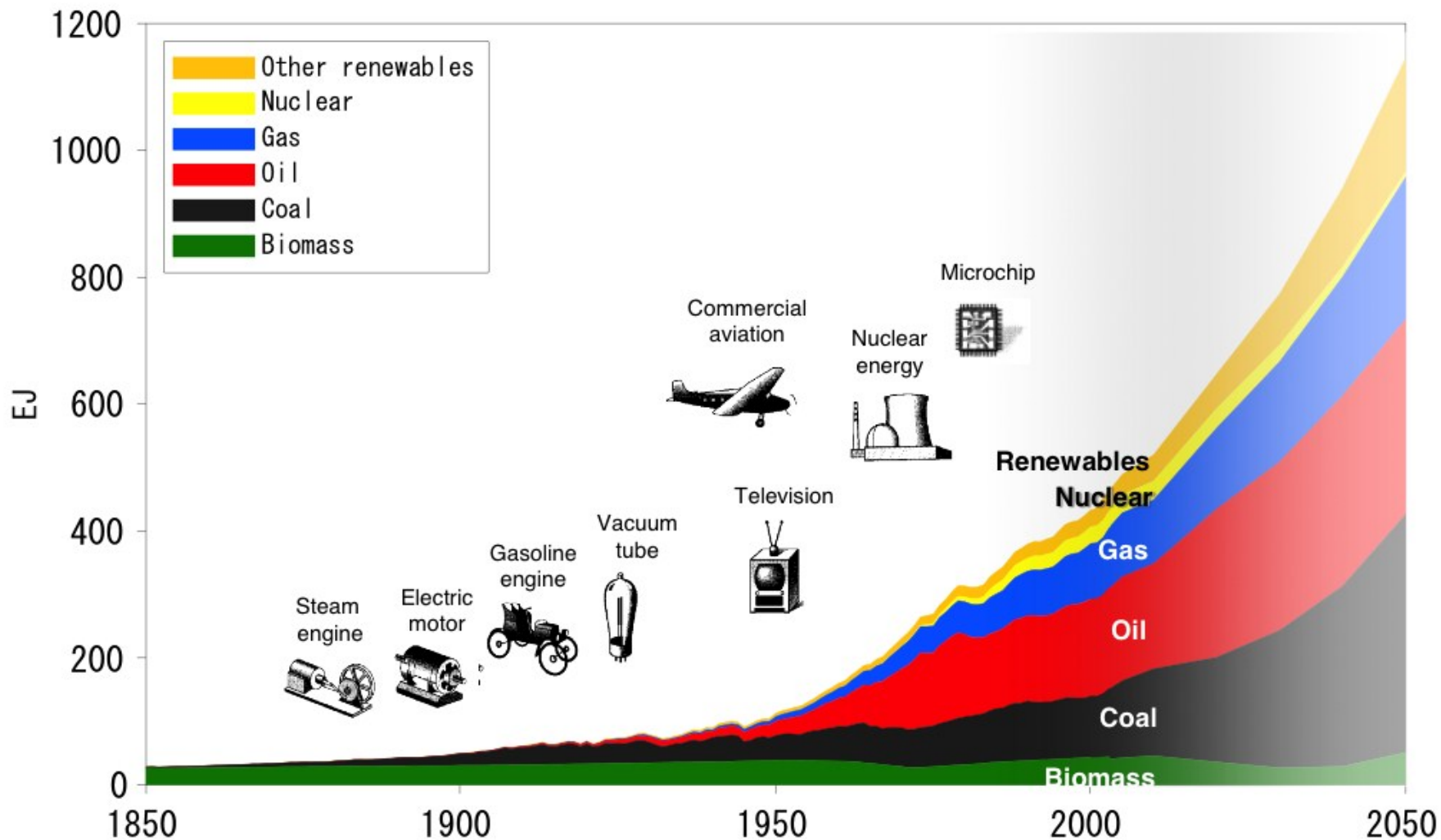
Energy Turn on global scale



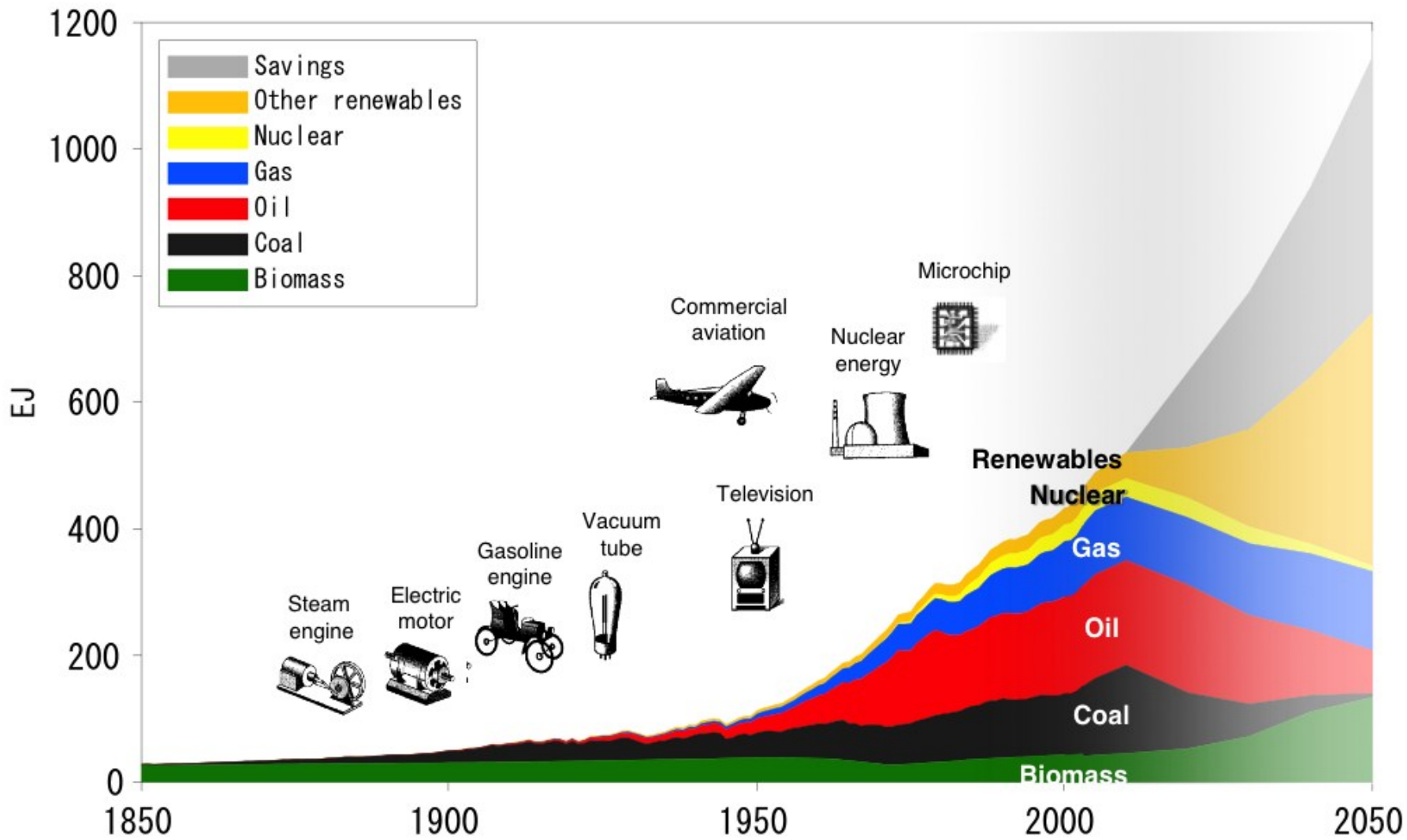
Global Primary Energy



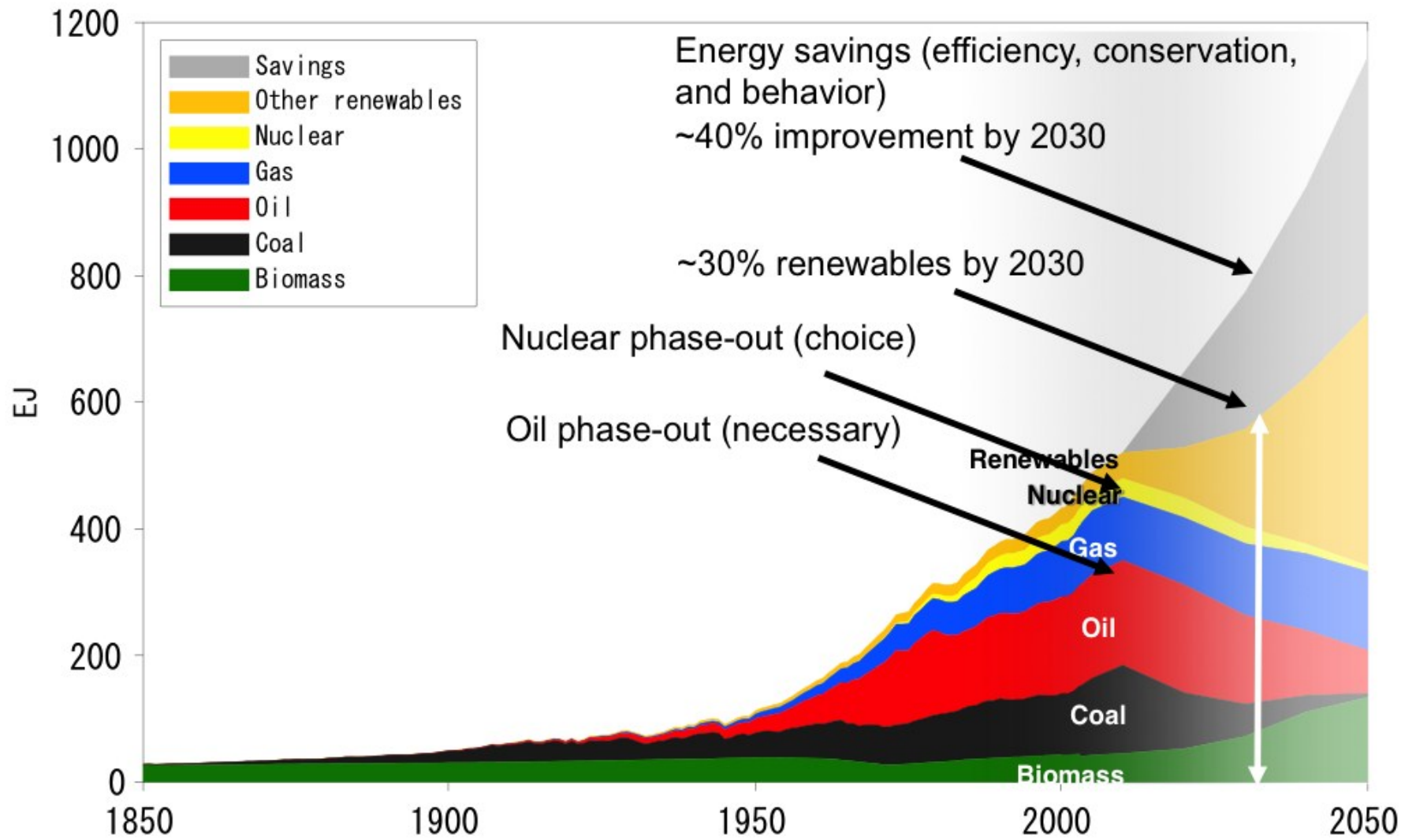
Efficiency – Counterfactual



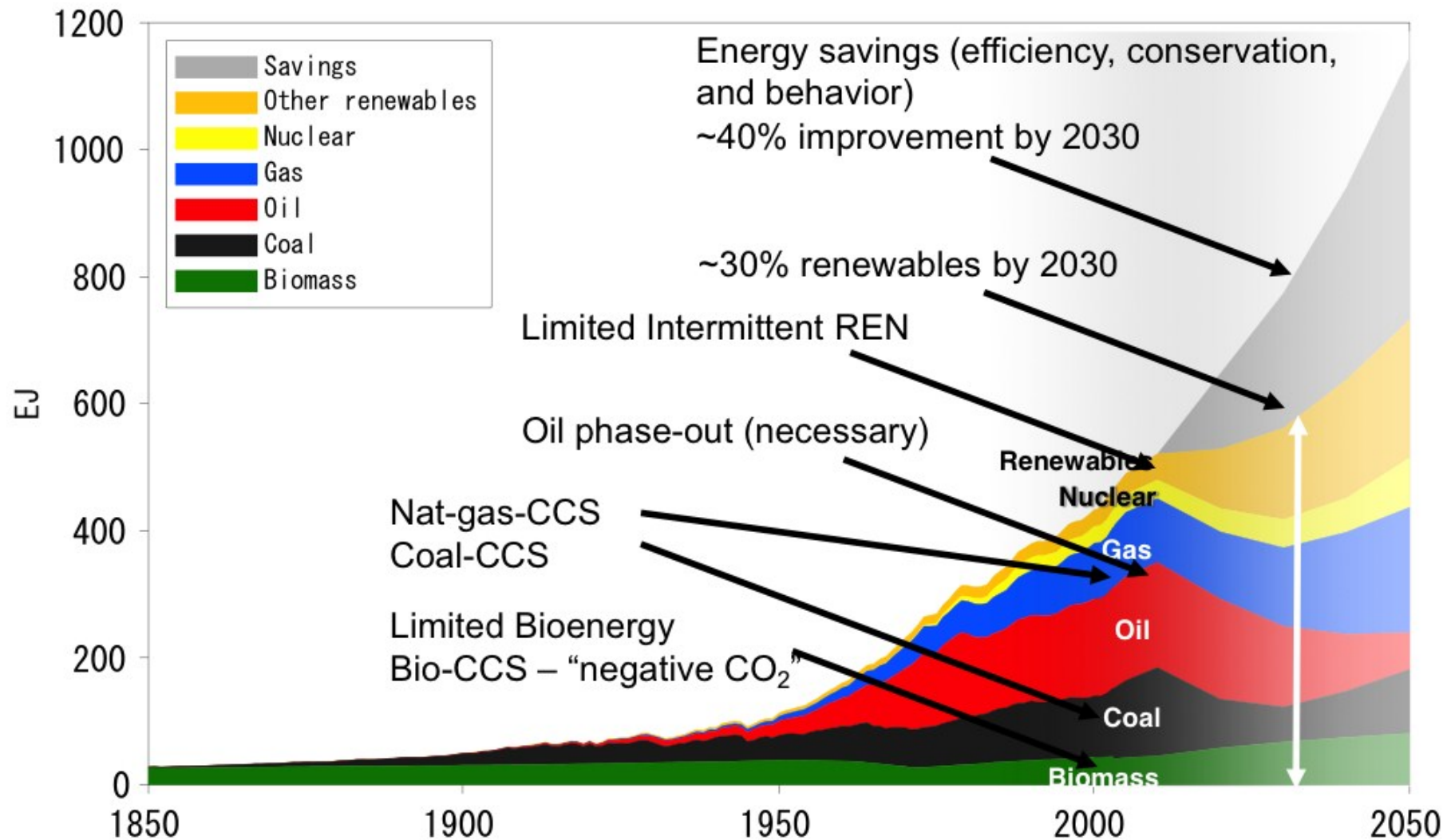
no CCS, no Nuclear

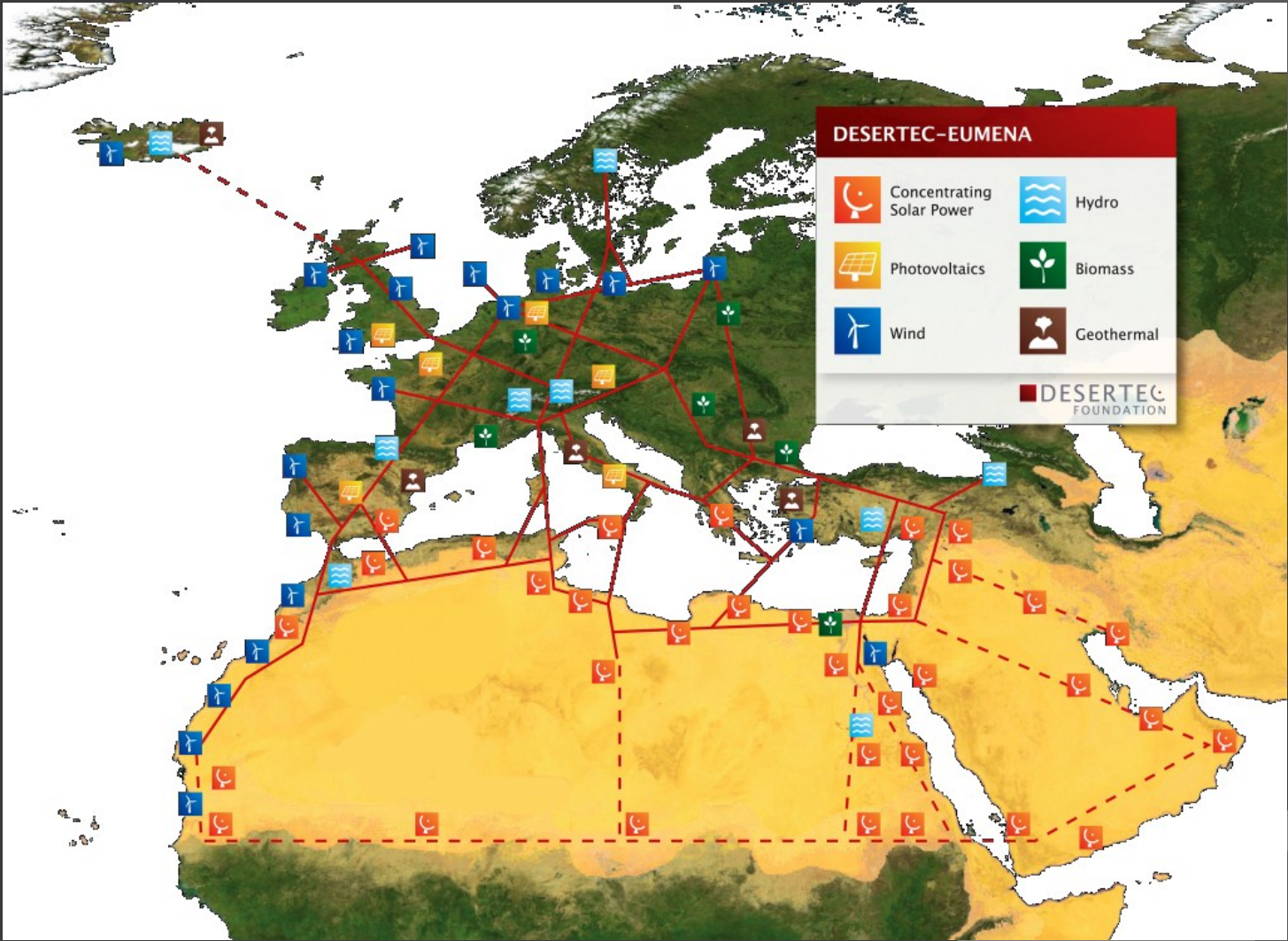


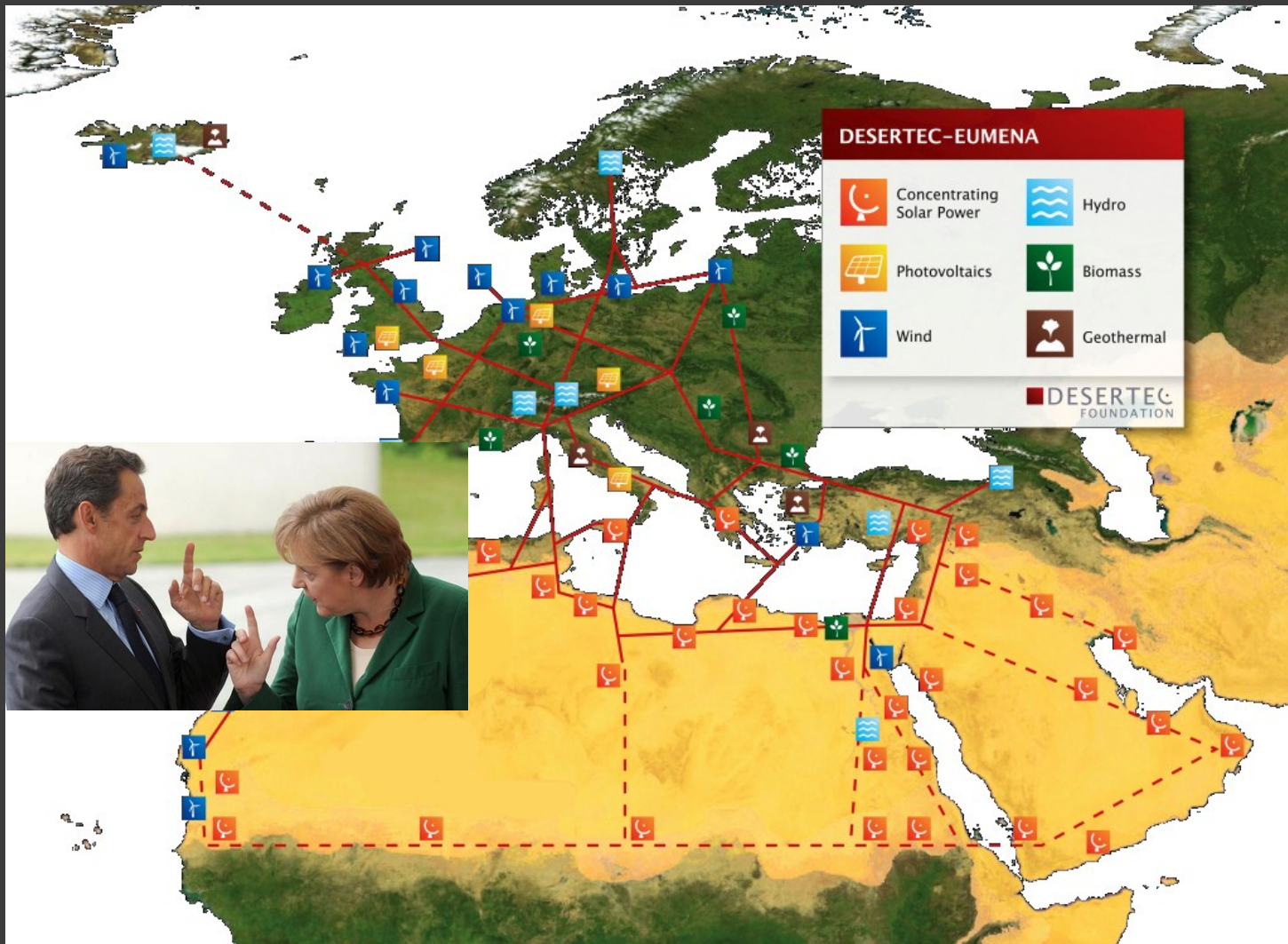
no CCS, no Nuclear



lim. Bioenergy, lim. Intermittent REN







Desertec: decolonize, democratize,
decentralize ... demonstrate

The role of cities

Troublemaker
(„very hungry city“)

Problemsolver
(„very inventive place“)

Zoning, „autogerechte Stadt“,
urban sprawl

Urban milieus

Path dependency
Urbanization global south

density

Mental infrastructures

Poles of innovation



Metropolis Ruhr

A Laboratory of
Transformation Research

Räumliche Analyse

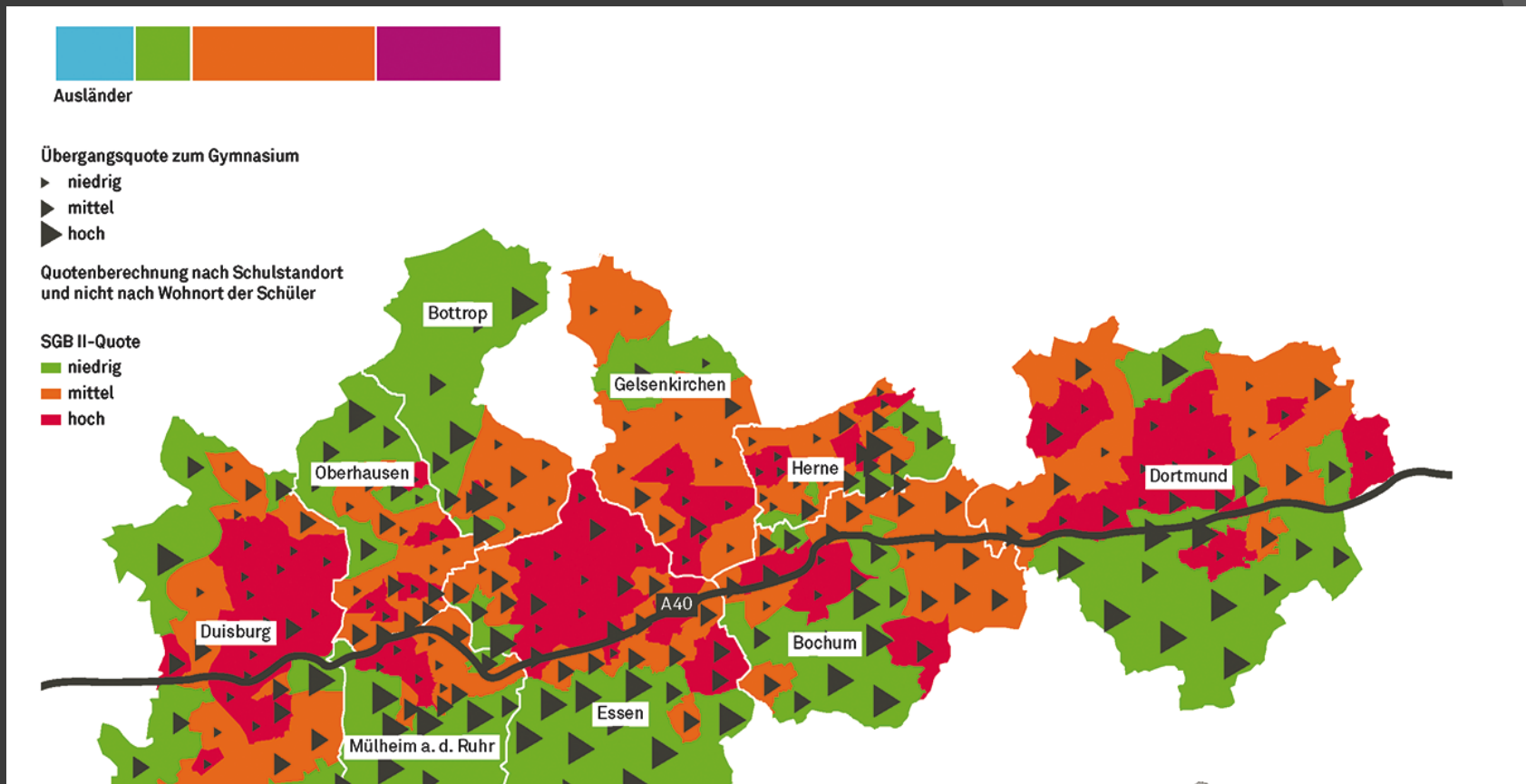
- soziodemografische Mosaik
 - Anteil Nicht-Deutscher (blau)
 - Jugendquotient (grün)
 - SGB II Quote (rot) Analyse: soziales und ethnisches

Jugendquotient (grün)
Altenquotient (grau)



Räumliche Analyse

■ soziodemografische Analyse: Bildungschancen



Citizen Consumer?

„Alles Überall Sofort“

Less is more

Citizen Consumer?

„Alles Überall Sofort“

Less is more

Change agents?

II. Justice, Freedom, Solidarity

Geo-topology and social contract

Global Justice and (re-)distribution
of resources and obligations

Polluter pays principle

Precautionary principle

Principle of equality

- Budget approach emissions trade
- Subglobal alliances (after Kyoto II failure...)

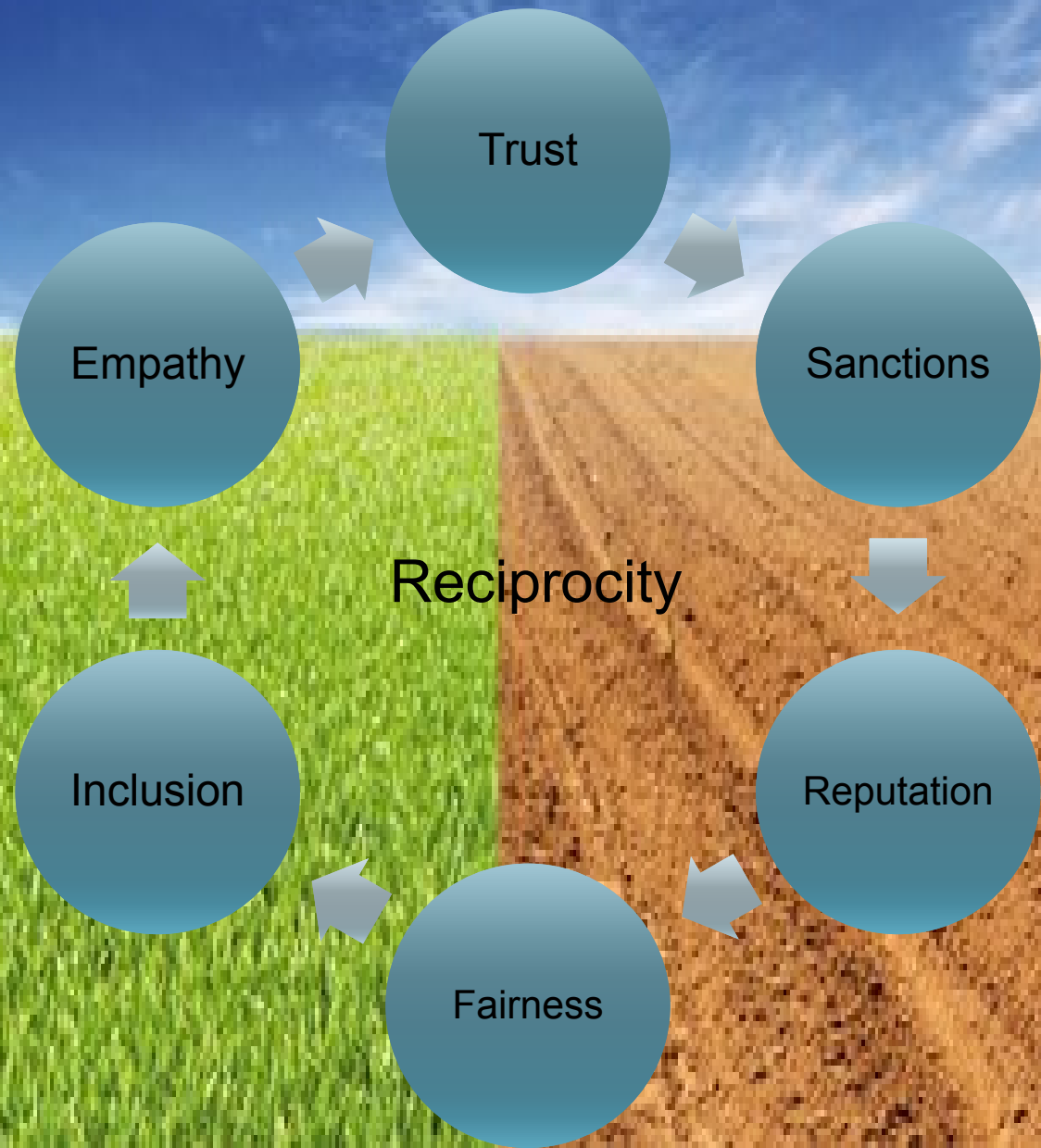
Dimensions of social inequality

(Kreckel)

INPUT			OUTPUT
Opportunities	money/ capital	rank/ hierarchy	environmental
for exploiting natural resources	knowledge/ science	selective association	costs

Social contract and global cooperation

(Ostrom)



III. Participation

as a tool for action

as a goal in itself

Instrument of politics
(acceptance, legitimacy)
culture)

Voicing
(participatory

Clear agenda, distribution of roles and competencies

Inclusiveness (“all at the table“)

Space for *Gestaltung*, clear alternatives

Transparency inside and outside („everything on the table“)

Professionalism and feedback

Reconnection to legislative and executive spheres

Variants of public participation

	Consultation/Deliberation	Co-Decision	Vote/ballot
Agenda-Setting	Citizen dialogue/council	<Future chamber>	Petition for referendum
Implementation	Mediation	Referendum	Parliament
Decision	-	Citizen budget	Referendum
Feedback/Initiative	Open Space	elections	Voting out

Variants of public participation

	Consultation/ Deliberation	Co-Decision	Vote/ Ballot
Agenda-Setting	Citizen dialogze/council	<Future chamber>	Petition for referendum
Implementation	Mediation	Volksentscheid	Parliament
Decision	-	Citizen budget	Referendum
Feedback/Initiative	Open Space	elections	destitution

Main problems:
Lack of implementation and „Politikverflechtung“
(multi-level governance)

Consultative/Deliberative procedures

Procedure	Initiative	Issue	Time	Participants (selection)
Town Meeting	municipalities	Town development	Singular ,1 day	Up to 5.000 (Sel.)
„Planungszelle“	M. & associations	Town development	4 days en bloc	100 (à 25) (random)
Citizen panel	M & other	Local affairs	3-4 times p.a.	Up to 2.500
Citizen council	municipalities	planning	2 days, repetitive	8-12 (random)
Delib.Polling	Diverse	Diverse	2 sessions	300-500 (random)
Consensus-conference.	Administration	Technology assessment	3 conferences	10-30 (random)
Szenario-Workshop.	Diverse	Infrastructure planning	Once 1-3 days	25-30 (Sel.)
Future conference	Diverse	planning.	2-3 days	Up to200 (Sel.)

„Future Chambers“

- Deliberative agenda-setting
- Collective learning process
- Long-term perspective
- „Consultative“ (besides legislative, judiciary and executive organs) in policy cycle

Pro-Contra

Selective
(Pragmatism/snap-shot)

serial
(learning process/costs)

Big
(multiphone/confusing)

Small (intensive/non-representative)

Monothematic
(Focus/single issue)

Multithematic
(context/dissipation)

Top down
(decision level/ lack of legitimacy)

Bottom up
(ideal democracy/ diffuse
legitimation)

Thank you!

Drivers/facets of innovation

the *adjacent possible* → first order combinations and surprise connections

Liquid networks → Wisdom (of some in) the crowd

Slow hunch → complete and cultivate

Serendipity → unintended invention

Error-friendliness → „right“ conclusions from „false“ results

Exaptation → ...of ideas in strange fields

Differentiated platforms →
Anschlussfähigkeit of modules