

# Locking in or helping shift? Trends and developments affecting sustainable resource use and degrowth

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Umwelt 🎧 Bundesamt



- Why analysing trends?
- How did we do that?
- Relevant trend clusters identified
- Interlinkages and feedbacks
- Implications for resource policy and degrowth



"Essentially, all models are wrong, but some are useful" (George P. E. Box)

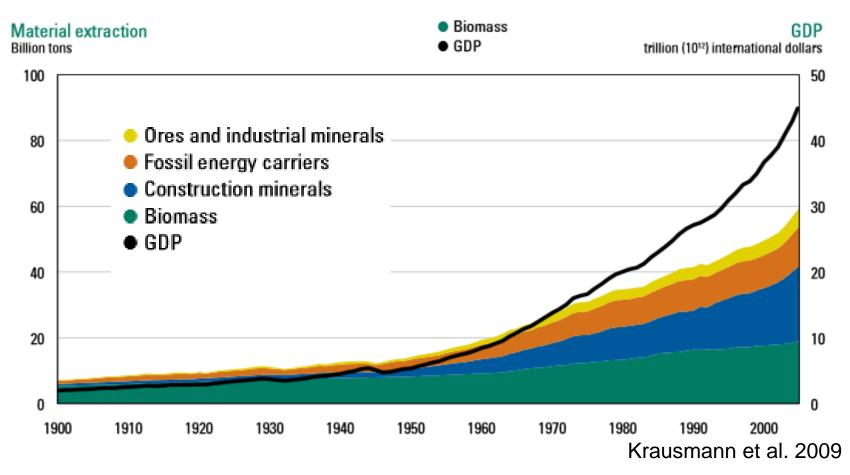
- Scan the horizon for emerging issues
- Analyse and extrapolate from past/current developments
- Gather evidence and outline plausible development trajectories
- Enabling early warnings and identifying intervention points for precautionary/corrective action

No predictions, rather fact- and expert-based assumptions



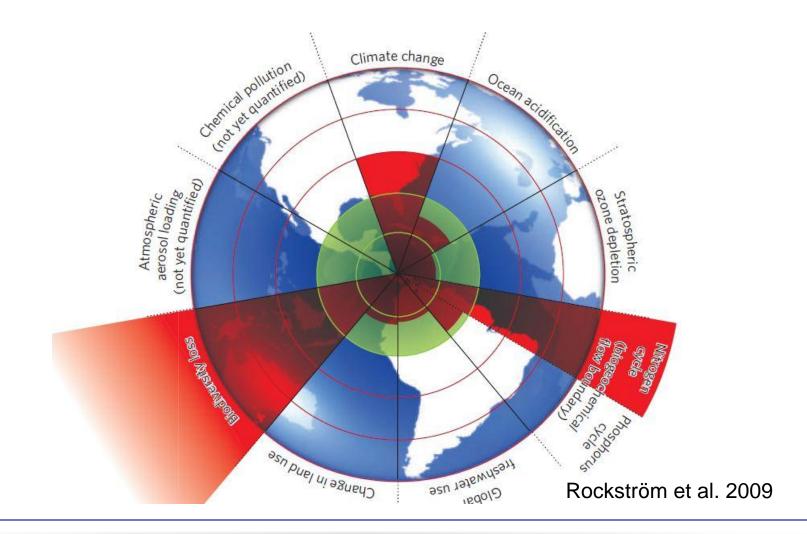
Why analysing trends?

#### Figure 2. Global material extraction in billion tons, 1900–2005



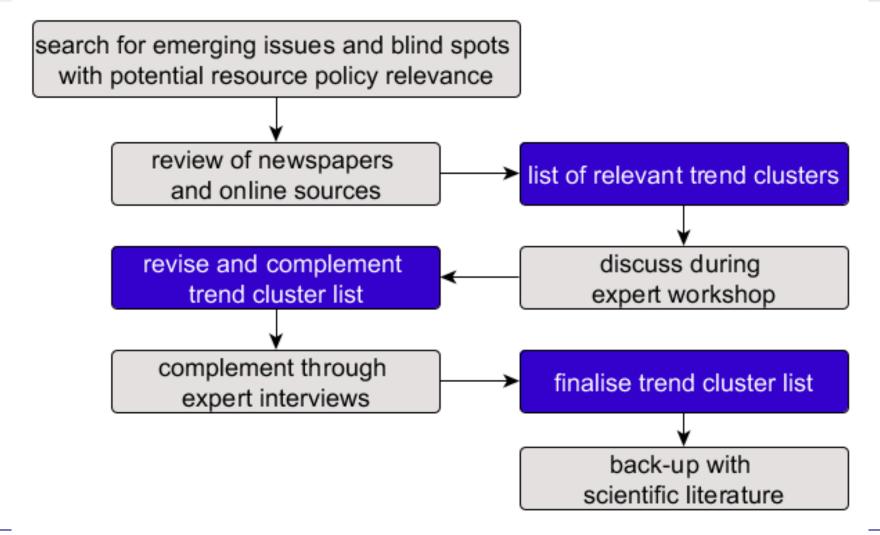


Why analysing trends?





#### How was the analysis done?



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Planting cravings and desires

V

Conspicuous consumption

anned obsolescence > Waste

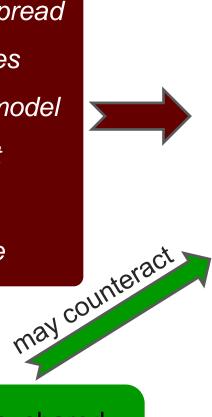
generat

per capita resource use

#### **Socio-economic acceleration**

Westernised growth models and lifestyles spread Pace of technological development increases Profit maximisation prevailing as business model Personalised and ubiquitious advertisement Economisation of the educational system Global capital flows increase and accelarate

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Emergence of more sustainable world views, shared

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economy business models, enlightened consumers

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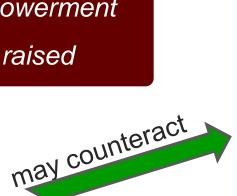
buying thresholds

mpulse buing

### Digitalisation

Digitalisation of all aspects of living (e.g. smart homes) eCommerce and mobileCommerce increase Digital behaviour enables personalised advertisement More options for online participation & empowerment Vulnerability to sabotage and manipulation raised





igital work may reduce travel needs

Resource needs for ICT

Availability of information; options for sustainability

oriented online business ratings via social media

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#### New mental models and world views

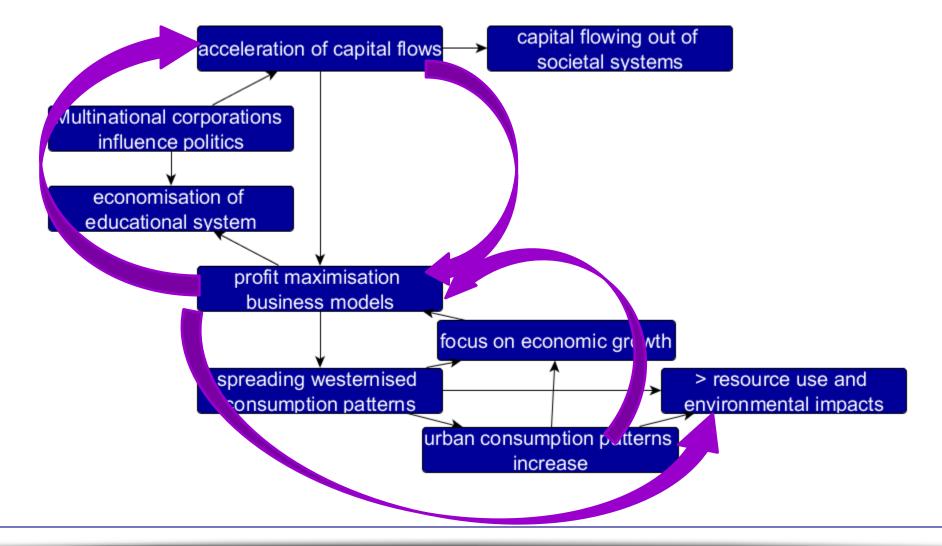
Transition initiatives spread within niches Demand for meaningful jobs increases More conscious eating and mobility decisions (in parts of society) Common welfare economics on the rise in niches

> Mainly niche phenomena Can upscaling be achieved?

- > sufficiency, simplified lives
- < per capita consumption of resources
- < CO2-emissions
- < waste generation

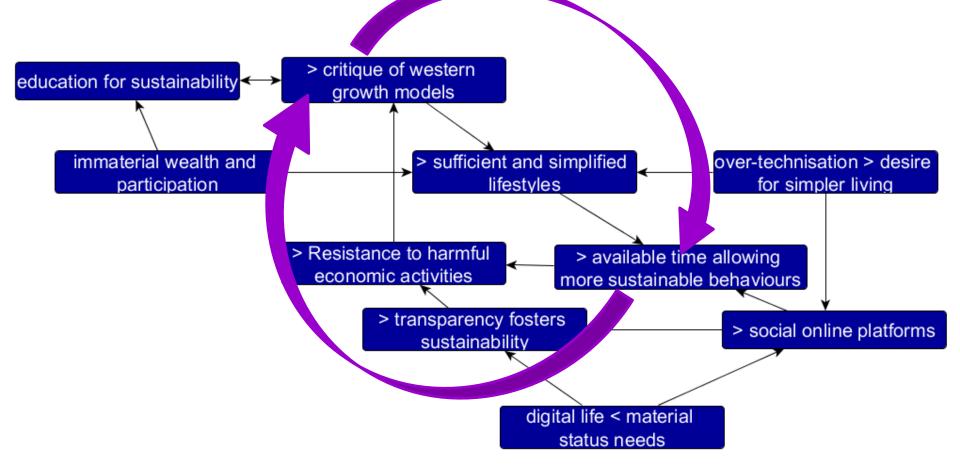


#### Interlinkages and feedbacks: socio-economic system





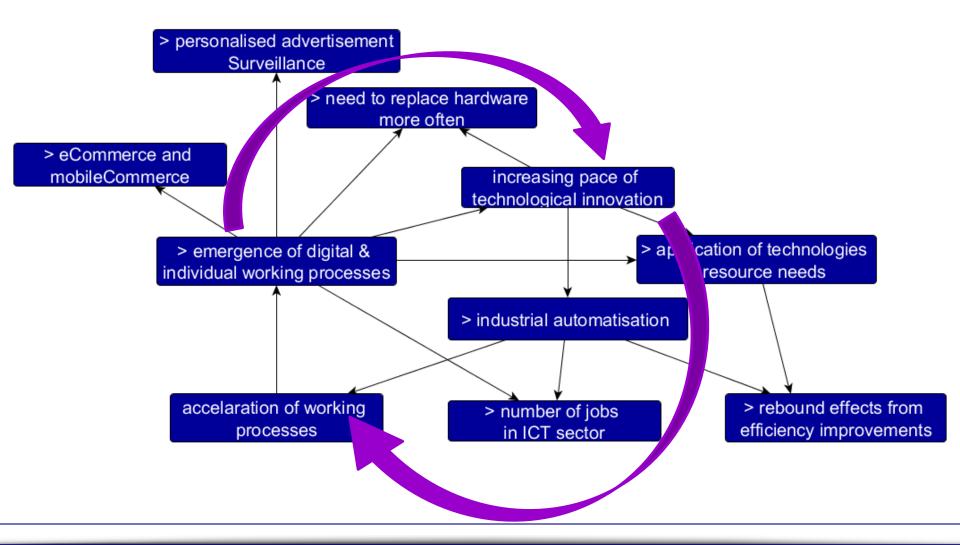
Interlinkages and feedbacks: new mental models



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Interlinkages and feedbacks: digitalisation



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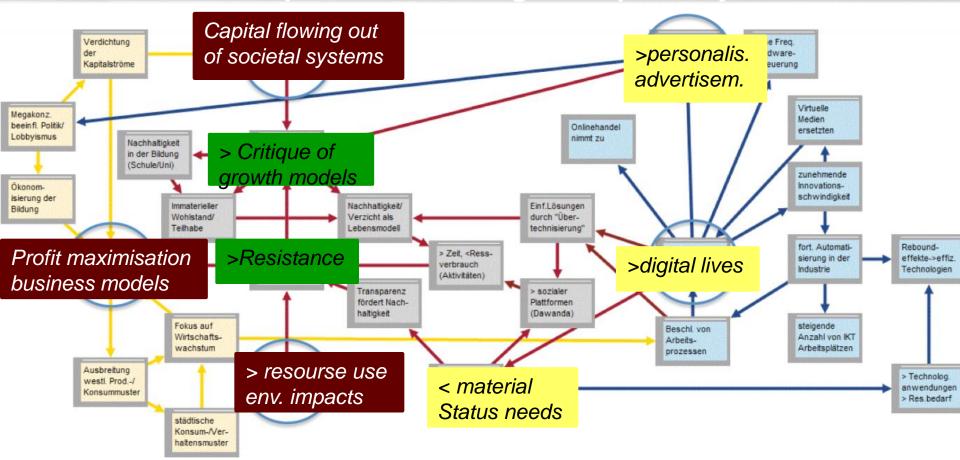
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Degrowth Conference Leipzig – Impeding and Supportive Trends





Implications for degrowth pathways







#### Implications for degrowth pathways

- Accelarating trends dominate in the short- and medium term (long term?)
- All trend clusters entail sustainable counter-trends in niches
- Financial market trends poorly understood in relation to resource use
- Intervention points should
  - create conditions conducive to counter-trends
  - slow accelaration down
  - remove blind spot on financial markets
- Degrowth momentum may just be the needed tipping point for breaking

#### trends



## Thank you for listening.

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