

# DYNAMIX approach to assessing the effectiveness of policy mixes

Session 3: How to achieve absolute decoupling?

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#### **OVERVIEW**

- Our research question
- How to assess effectiveness of policy mixes?
- What is absolute decoupling and is it enough?
- Our approach based on key targets for 2050



### RESEARCH QUESTION

### Policy options for a resource efficient economy

"policy mix [leading] to an absolute decoupling of economic growth from unsustainable use of natural resources and environmental degradation."

"new concepts and paradigms to ensure that the resource efficiency dimension throughout the life cycle of products/services is embedded in policy formulation"

"an adequate policy mix that optimises synergies and addresses trade-offs between different areas and policies"



#### ASSESSMENT CRITERIA

#### DYNAMIX aims to

- identify promising policy mixes supporting absolute decoupling
- assess their effectiveness, efficiency and sustainability in the medium-term (2030) and long-term (2050)

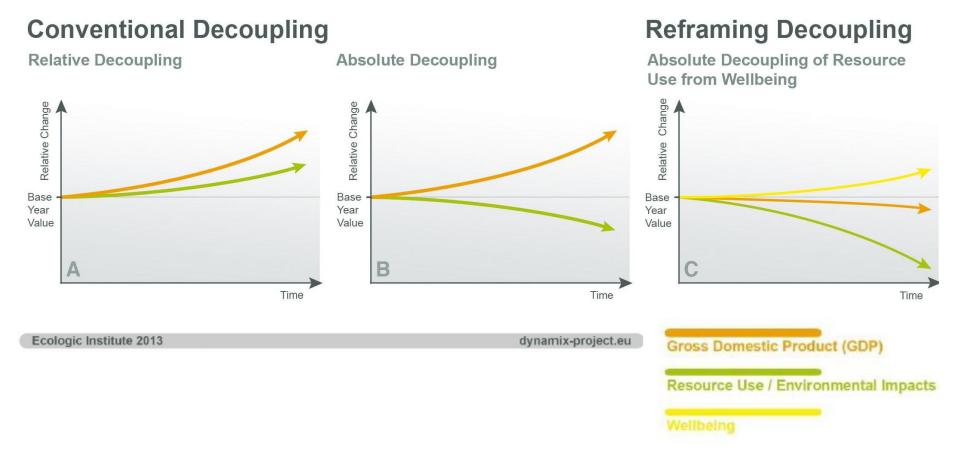


#### **ASSESSMENT CRITERIA: EFFECTIVENESS**

How will we know if absolute decoupling has been achieved?



#### EFFECTIVENESS - ABSOLUTE DECOUPLING





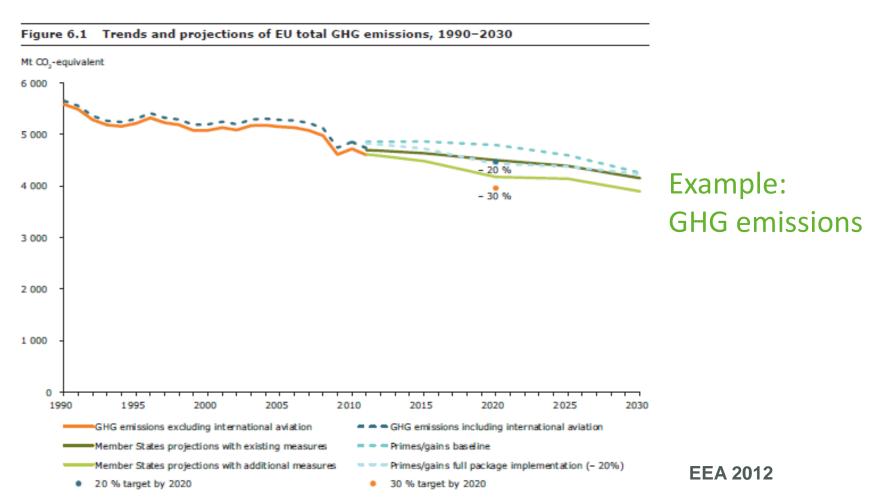
#### **ASSESSMENT CRITERIA: EFFECTIVENESS**

How will we know if absolute decoupling has been achieved?

- What indicator(s) to use for resource use and environmental impacts?
- Weighting of different impacts?
- Will absolute decoupling be enough to achieve sustainable management of natural resources?

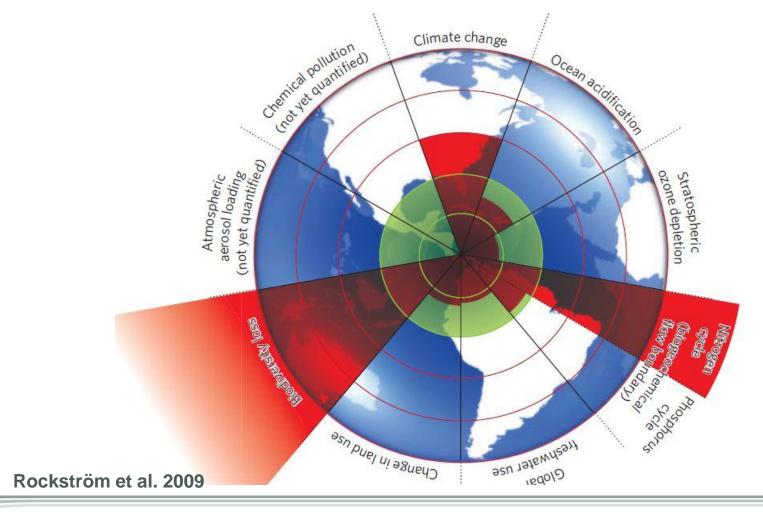


#### EFFECTIVENESS - IS DECOUPLING ENOUGH?



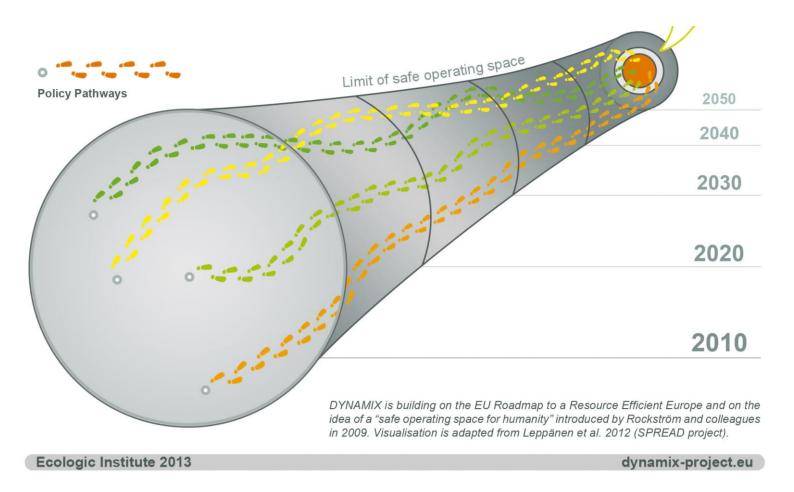


#### EFFECTIVENESS - IS DECOUPLING ENOUGH?





#### EFFECTIVENESS – VISION WITH KEY TARGETS





#### EFFECTIVENESS – KEY TARGETS FOR 2050

# Chosing the targets so that...

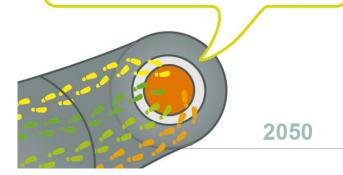
- in approximation they cover most critical impacts of resource use,
- reflect looming scarcity of vital resources,
- reflect the EU's "fair share",
- they can be measured based on available data,
- they are solution-open.



### EFFECTIVENESS - PROPOSED KEY TARGETS

#### Key targets 2050:

- Greenhouse gas emissions:
  2 t CO<sub>2-eq</sub> / capita.
- Metals: reducing consumption of virgin metals by 80%.
- Land use: zero net demand of non-EU arable land.
- Nutrients: reducing nitrogen and phosphorus surpluses.
- Fresh water: no water scarcity in any region.



- rendering the vision of the RE roadmap more concrete
- →inspired by the scoreboard
- reflecting productionand consumptionbased perspective



#### To **SUMARISE**

- DYNAMIX will test to what extent policy mixes can be designed to achieve the 2050 vision
- Targets are work in progress, input to the ongoing debate
- More detailed discussion in Break-Out Group "Assessment criteria and indicators"



# Thank you.

