



DYNAMIX

Decoupling growth from resource use
and its environmental impacts

Introducing the DYNAMIX policy mixes

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DYNAMIX TARGET 1: ABSOLUTE DECOUPLING

- Well-being increases
- Economy might increase
- Resource use declines

DYNAMIX WIDELY DEFINES RESOURCES AS:

All natural resources that are used or modified to create economic value and all environmental media and processes that can be affected:

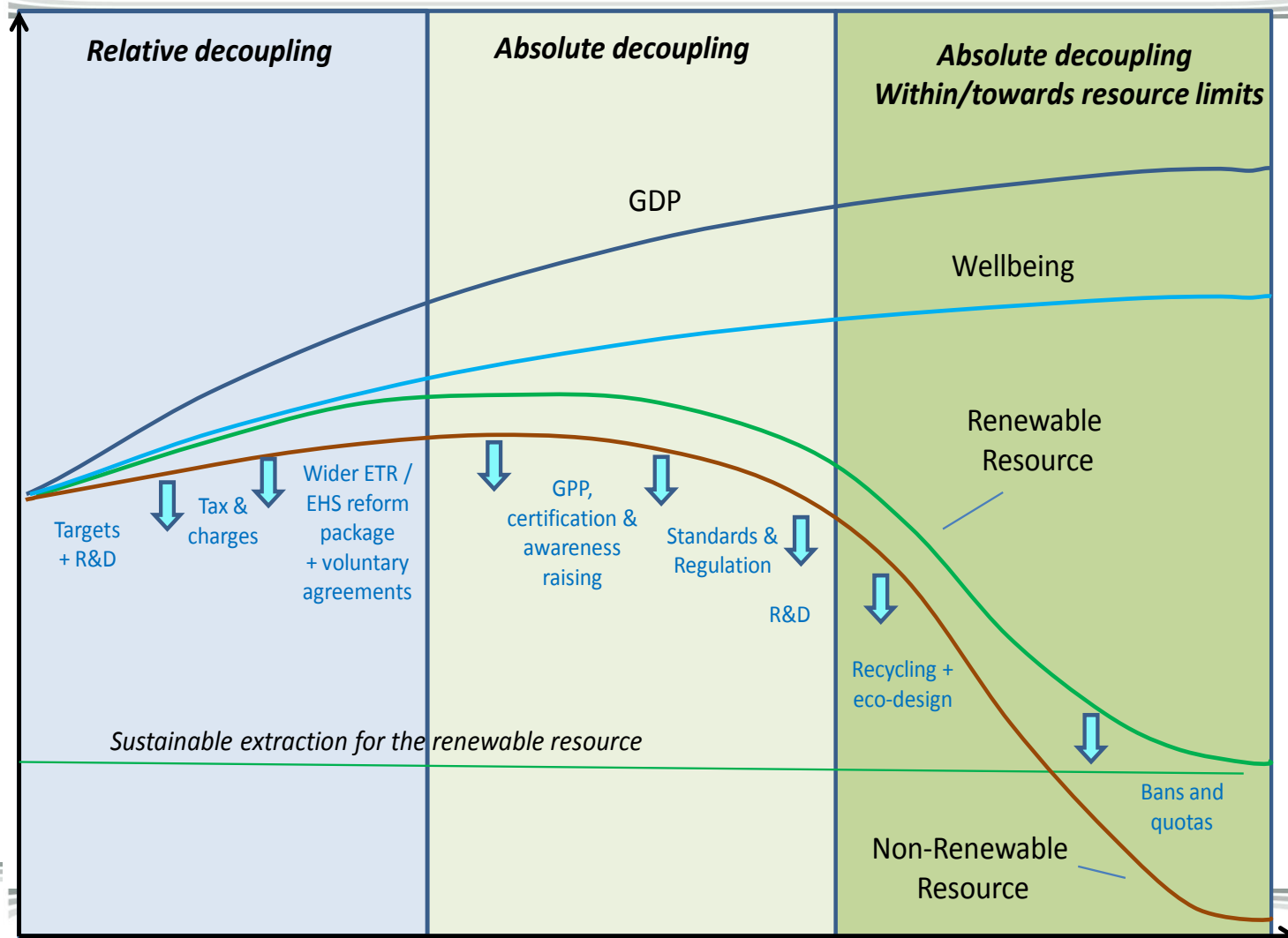
- **Abiotic resources**, including minerals, metals, and fossil fuels (inputs),
- **Biotic resources**, including timber, fish, agricultural products and other biomass, land, water and soil (inputs),
- **Environmental media** and the **ecosystem services** linked to them: land, water, air, soil, biodiversity (impacted by outputs such as emissions)

DYNAMIX TARGET 2: SUSTAINABILITY

- Planetary boundaries
 - Global fairness
- } Limited resource use in 2050:
- Virgin metals use -80%
 - Greenhouse gas emissions 2 tonnes/cap
 - Minimum excess nitrogen & phosphorus
 - No net use of non-EU arable land
 - No water scarcity

DYNAMIC POLICY PATH - EXAMPLE

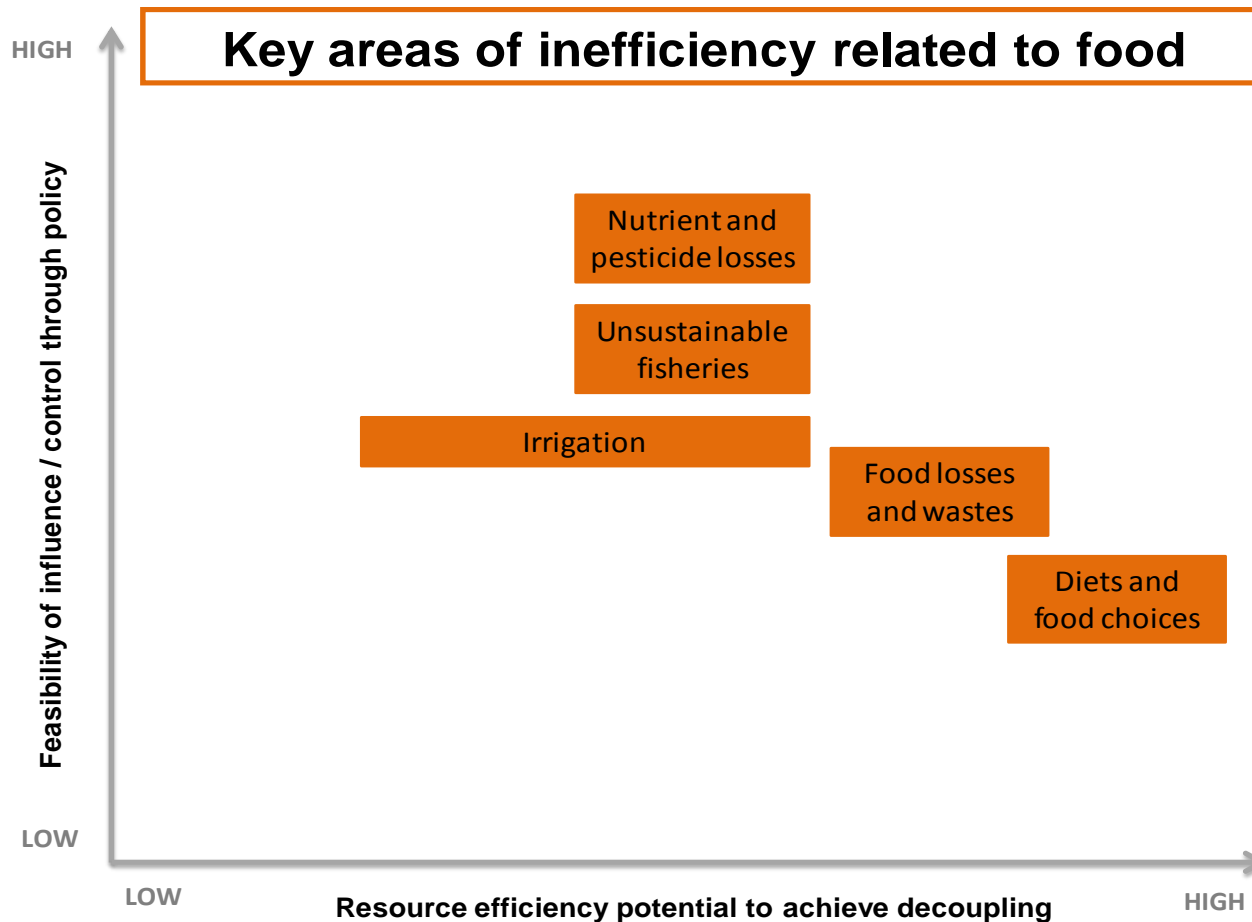
(Source: IEEP)



CRITERIA FOR POLICIES MIXES TO ASSESS

- Divergent
- Effective
- Addressing important drivers, barriers and lock-ins
- Contributing to paradigm changes
- Relevant to policy-makers and stakeholders
- Addressing little-managed resources
- Adaptive
- Not sufficiently investigated
- Interesting to assess
- Possibly to assess quantitatively

FROM WP2: REASONS FOR INEFFICIENCY



FROM WP3: EXISTING POLICIES AND MIXES

Key factors of success

- Focus on specific resource or sector
- Match the complexity of the reality
- Account for lock-in
- Predictability
- Etc.

Shortcomings

- Conflicting objectives
- Gaps and loopholes
- Unaccounted rebound effects
- Insufficient monitoring
- Etc.

FROM TASK 4.2: ANALYSIS OF PARADIGMS

- Get the branding right
- Beware false paradigm shifts
- Achieve acceptability...
- ...But beware the trade-off with effectiveness
- Support transition in barrier industries
- Grow political capital

FROM POLICY PLATFORM 2

- Change paradigms on sources of public revenue in Finance Ministries and public/business (14 votes)
- Change taxes and subsidies (14)
- Intelligent, integrated full product chain management (12)
- Education (12/2)
- Wider application of Japanese top-runner scheme (11)

PROCEDURE

1. Describe the current situation: drivers, barriers and lock-ins
2. Define the targets and visions
 - a) ...for the endpoint at 2050
 - b) ...for the 2030 midpoint
3. Develop policy mix up to 2030
4. Develop policy mix 2030-2050

THREE POLICY MIX AREAS

- **Overarching policy mixes for decoupling growth from resource use and impacts**
- **Policy mixes targeted at metals**
- **Policy mixes targeted at land-use**

QUESTIONS FOR GROUP WORK

- 1. Do you feel that important policy instruments are missing? If so, which?**
- 2. How do you consider the effectiveness and political feasibility of the mix?**
- 3. What policy targets and instruments can be quantified?**