Introduction to the DYNAMIX project and framing the resource efficiency debate in Europe

Project background, aims & logic

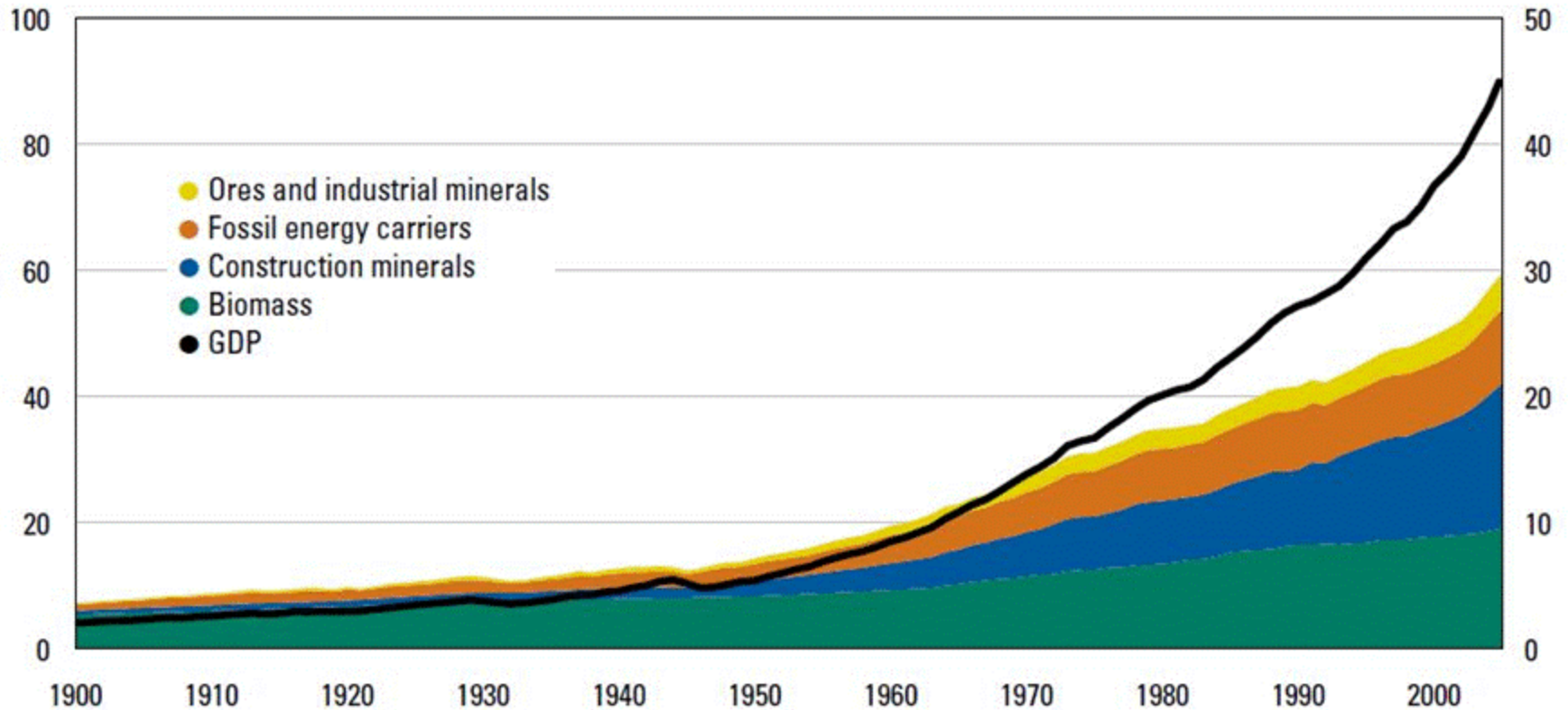http://dynamix-project.eu/   https://twitter.com/EUResources

BACKGROUND – GLOBAL RESOURCE USE

Global Material Extraction in billion tonnes, 1900 – 2005; Krausmann et al. 2009

BACKGROUND – GLOBAL LAND USE
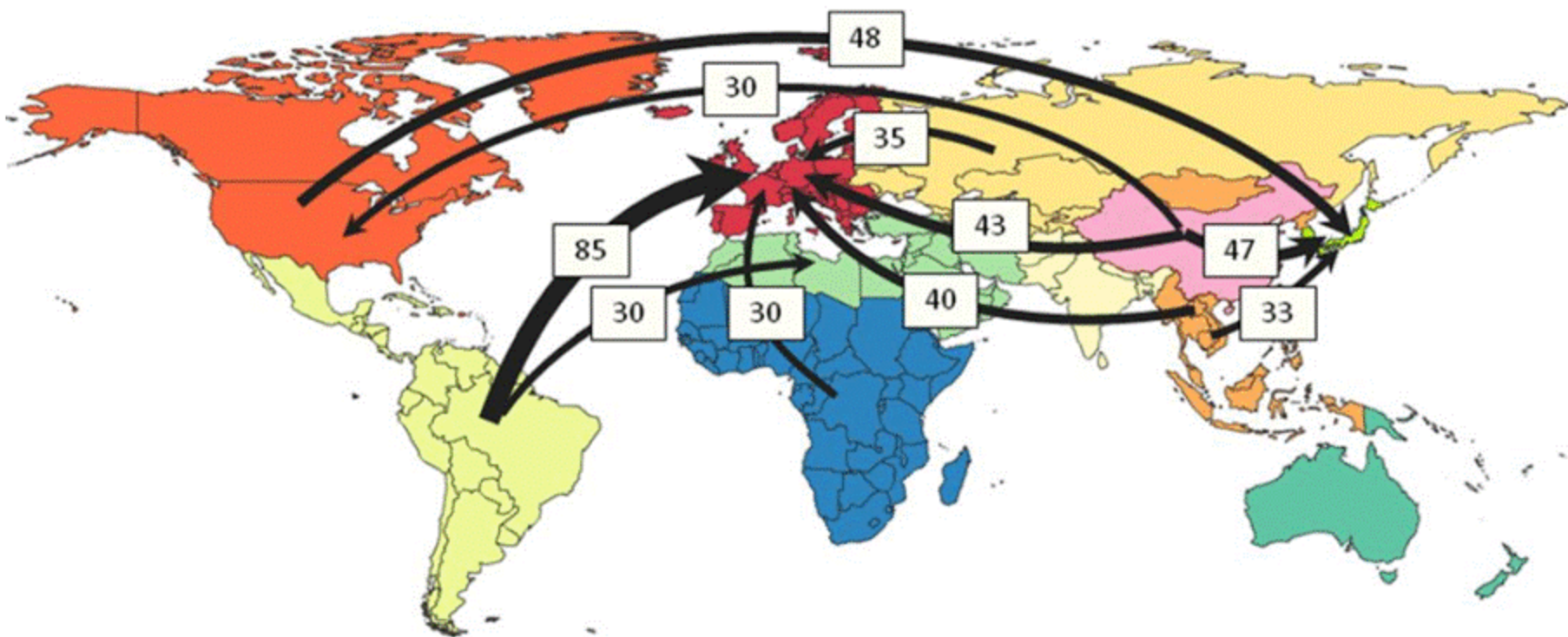
Top ten net displacements of land use globally (exports minus imports); Weinzettel et al. 2013 arrows indicate the direction of product flow; units are in million gha per year.

BACKGROUND – PLANETARY BOUNDARIES

inner green shading = proposed safe operating space for nine planetary systems

**red wedges = estimate of the current position for each variable**
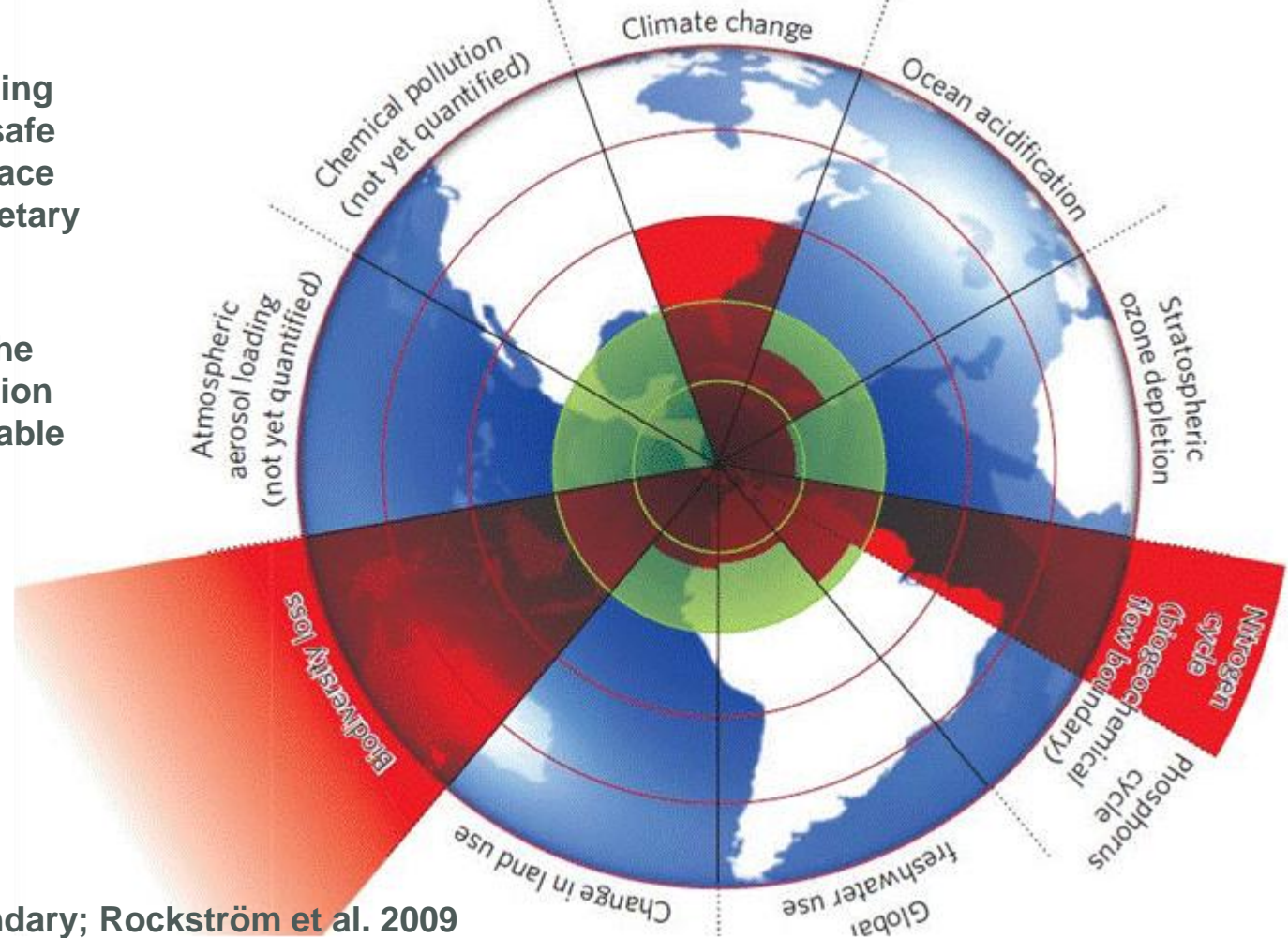
Beyond the boundary; Rockström et al. 2009

PROJECT OBJECTIVES

In this context, DYNAMIX aims to

- identify main drivers of (in)efficient resource use
- learn from past successful or failing resource policies
- identify promising policy mixes supporting absolute decoupling
- assess their effectiveness and sustainability ex-ante for medium-term (2030) / long-term (2050)

PROJECT OBJECTIVE – ABSOLUTE DECOUPLING
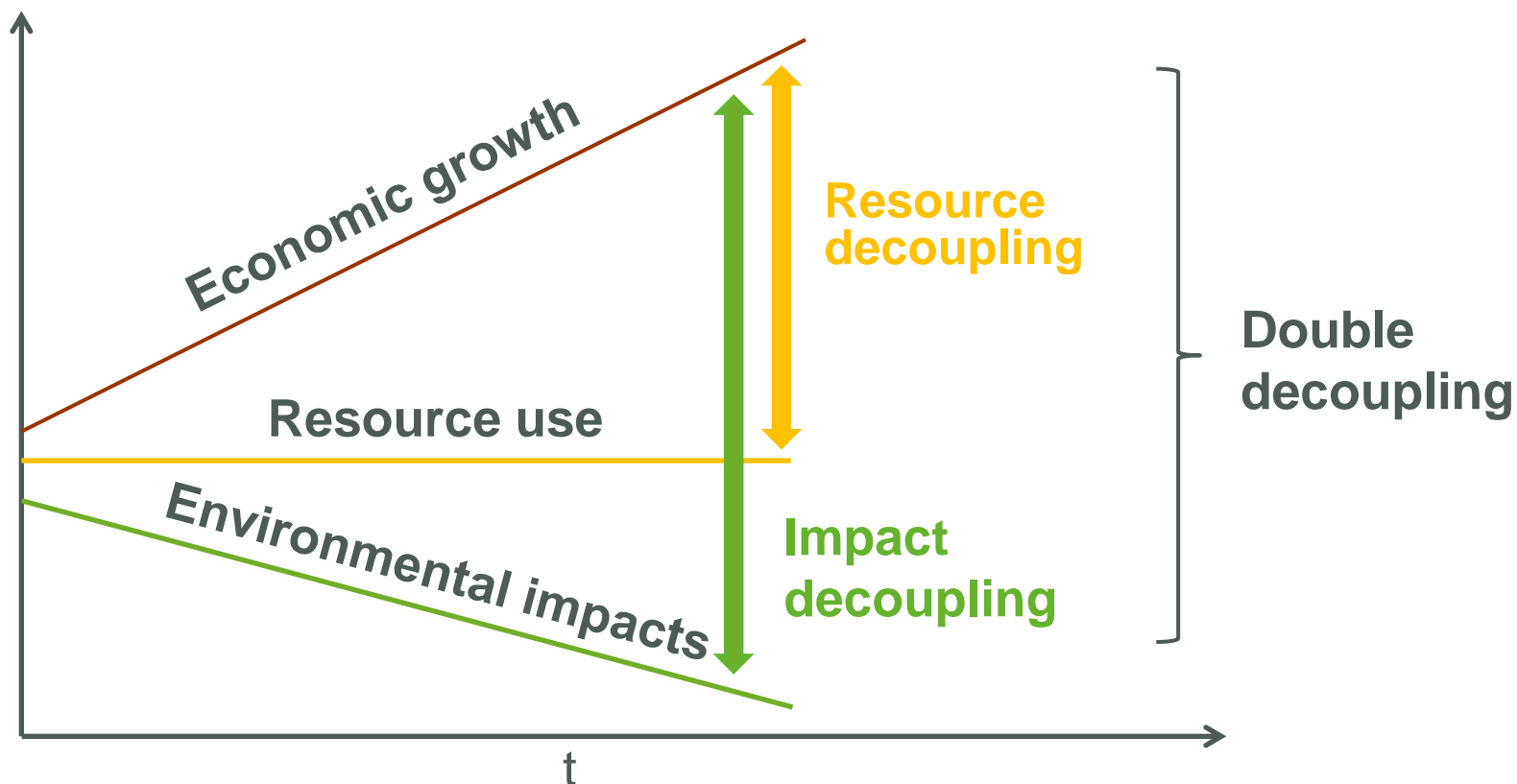
RESSOURCE EFFICIENCY – DISCOURSES

- Security of supply – reducing import dependence concerning critical resources

- Green economy – enhancing competitiveness, e.g. environmental goods and services sector

- Environmental impacts – planetary boundaries for resource use and impact absorption

- Limits to growth / ending poverty – calling for alternative models of well-being & equitable distribution / access to resources

Jakob et al. (in prep.)

PROJECT CONTEXT – DISCOURSES ADDRESSED

Discourses mainly addressed:
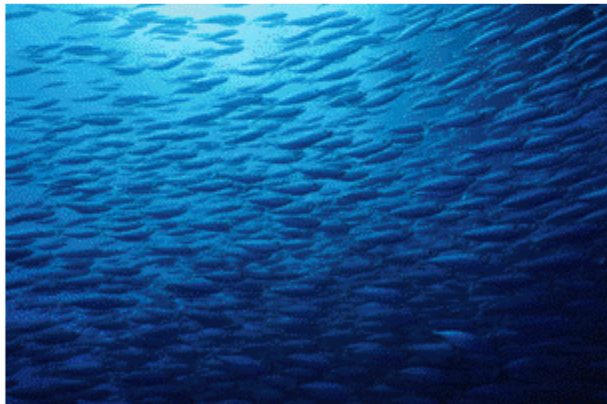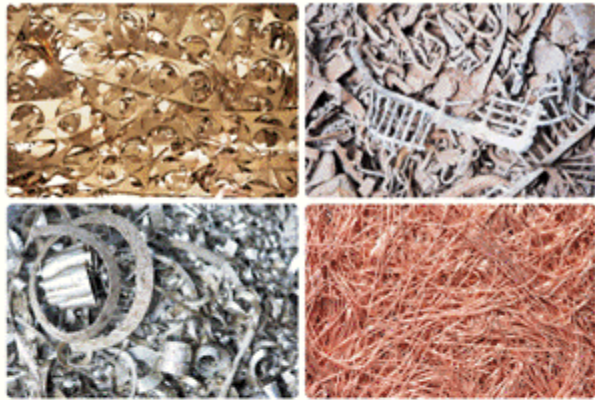
A green economy

Environmental impacts

Addressed to lesser extent:

Limits to growth / ending poverty

Supply risks

PROJECT SCOPE – RESOURCES

PROJECT CONTEXT

- Resource Efficiency is key for successful sustainable development, but the policy agenda needs sharpening

- Tangible support needed for key EU policies (Europe2020, Flagship Initiative, Roadmap)

- Integration of socio-economic and environmental aspects

VALUE ADDED THROUGH DYNAMIX

- Delivering concrete policy proposals, including proposals for targets

- Involving stakeholders in knowledge production

- Helping policy makers to design powerful resource policies

1st Policy Platform initiates exchange & joint efforts

=> That is why your input is important and greatly appreciated!

PROJECT LOGIC
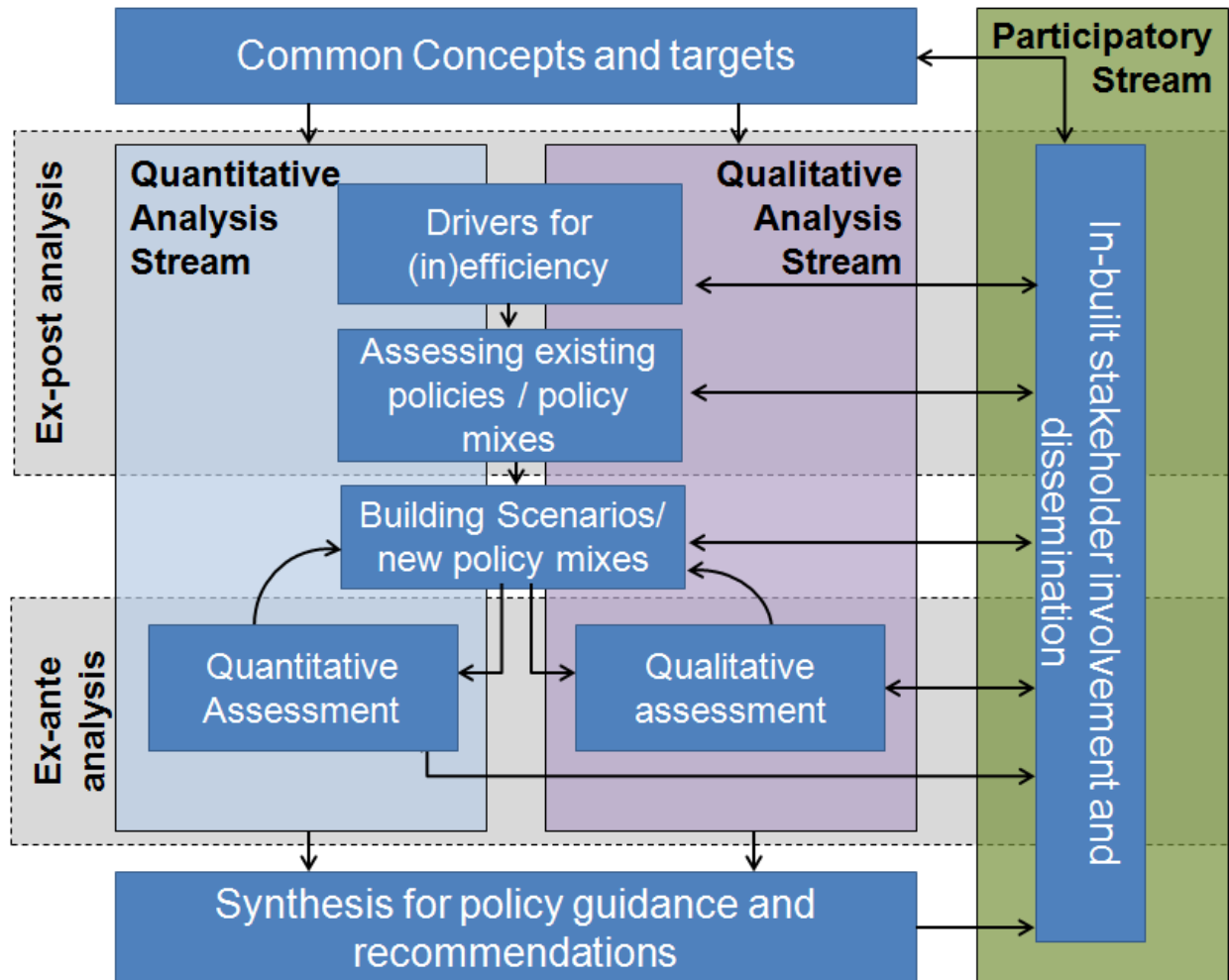
SESSION 2 – MS RESOURCE EFFICIENCY POLICIES

Assessing existing policies / policy mixes

- Assessment and selection process
- Selection of relevant case studies

=> Session 2, 11 to 12.30 pm, 20th March

=> Session 6: Defining ways forward

11 to 12 am, 21st March

SESSION 3 – HOW TO ACHIEVE DECOUPLING?

Common Concepts & targets

- Assessment criteria and indicators
- role of paradigms and paradigm shifts
- relevant stakeholders, perspectives and interests

=> Session 3, 1.30 to 3 pm, 20th March

SESSION 4 – ROLE OF KNOWLEDGE IN POLICY

In-built stakeholder involvement and dissemination

- Evidence-based policy-making

- role of scientific (and other) knowledge in resource efficiency policy-making

- credible, legitimate and salient knowledge

=> Session 4, 3.30 to 5 pm, 20th March

SESSION 5 – DRIVERS OF RESOURCE (IN)EFFICIENCY

Reasons for Inefficiency

- relevant inefficient resource uses
- most important drivers for inefficient resource use

=> Session 5, 9.00 to 10.30 am, 21st March

SESSION 6 – DEFINING WAYS FORWARD

Assessing existing policy mixes / New policy mixes

- Selection of relevant case studies
- Identification and discussion of promising policies

=> Session 6: Defining ways forward

11 to 12 am, 21st March

THANK YOU FOR YOUR ATTENTION

ENJOY THE 1ST DYNAMIX POLICY PLATFORM