



DYNAMIX

Decoupling growth from resource use
and its environmental impacts

Introduction to Policy Platform 3

Brussels, 6 May

Christian Hudson
Ecologic Institute

Elaborated within the DYNAMIX project funded by the European Commission FP7, Contract No. 308674



DYNAMIX is a project funded
under the European Union
Seventh Framework Programme





PROJECT GOALS

- „Help to identify the most appropriate policy mix leading to truly sustainable use and management of natural resources and contributing to societal advances“
- What forms of help?



PROJECT GOALS 2

- Identifying fresh policies (targets, measures)
- Demonstrating benefits of policy mixes
- Opening up new approaches for policy design

....for delivering on resource efficiency goals



THE *DYNAMIC-MIX* APPROACH

- Complementarity of policy measures:
 - Cumulative effects
 - Re-inforcement
- Dynamic – inter-temporal effects
 - E.g. Facilitates future policies, perhaps through innovation/cost reduction/changing paradigms
 - 2020, 2030, 2050 and beyond



SPECIFIC PROJECT RESEARCH QUESTIONS

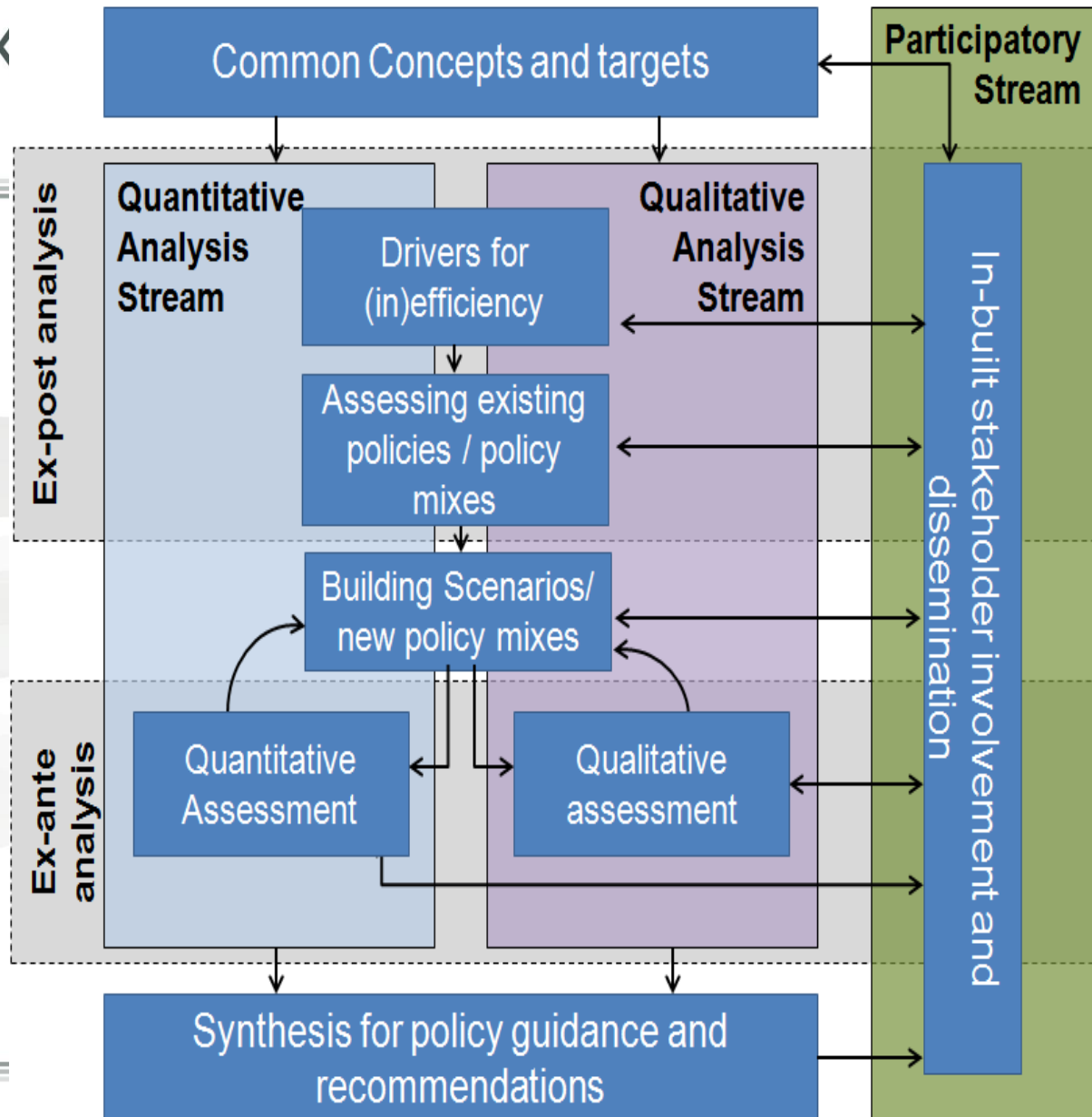
- What are the transition pathways to absolute decoupling?.....i.e.....
- What are the interactions between policy measures that could enable us to make more progress?
- How do different policy measures fit into delivering that transition to absolute decoupling?



RESEARCH QUESTIONS: EXAMPLE

- Target: 80% reduction virgin metal use by 2050
- How would a policy promoting advanced recycling infrastructure help achieve this goalwhen used in combination with tax-based increases in the price of virgin metals?

**WHERE ARE
WE NOW
IN THE
PROJECT?**





WHERE ARE WE NOW IN THE PROJECT?

- Approach and Targets set
- Drivers for inefficiencies explored
- Comparative Assessment of existing policies
- Exploration of alternative future scenarios
- Description of Policy Mixes: *Land, Metals, Overarching*



SPECIFIC PURPOSE OF PP3

- To shape our ongoing work, so that it is relevant, helpful and useable:
 - Help define the relationships between policies
 - Help identify the most important aspects of the issues to examine in detail (relationships, outcome metrics)

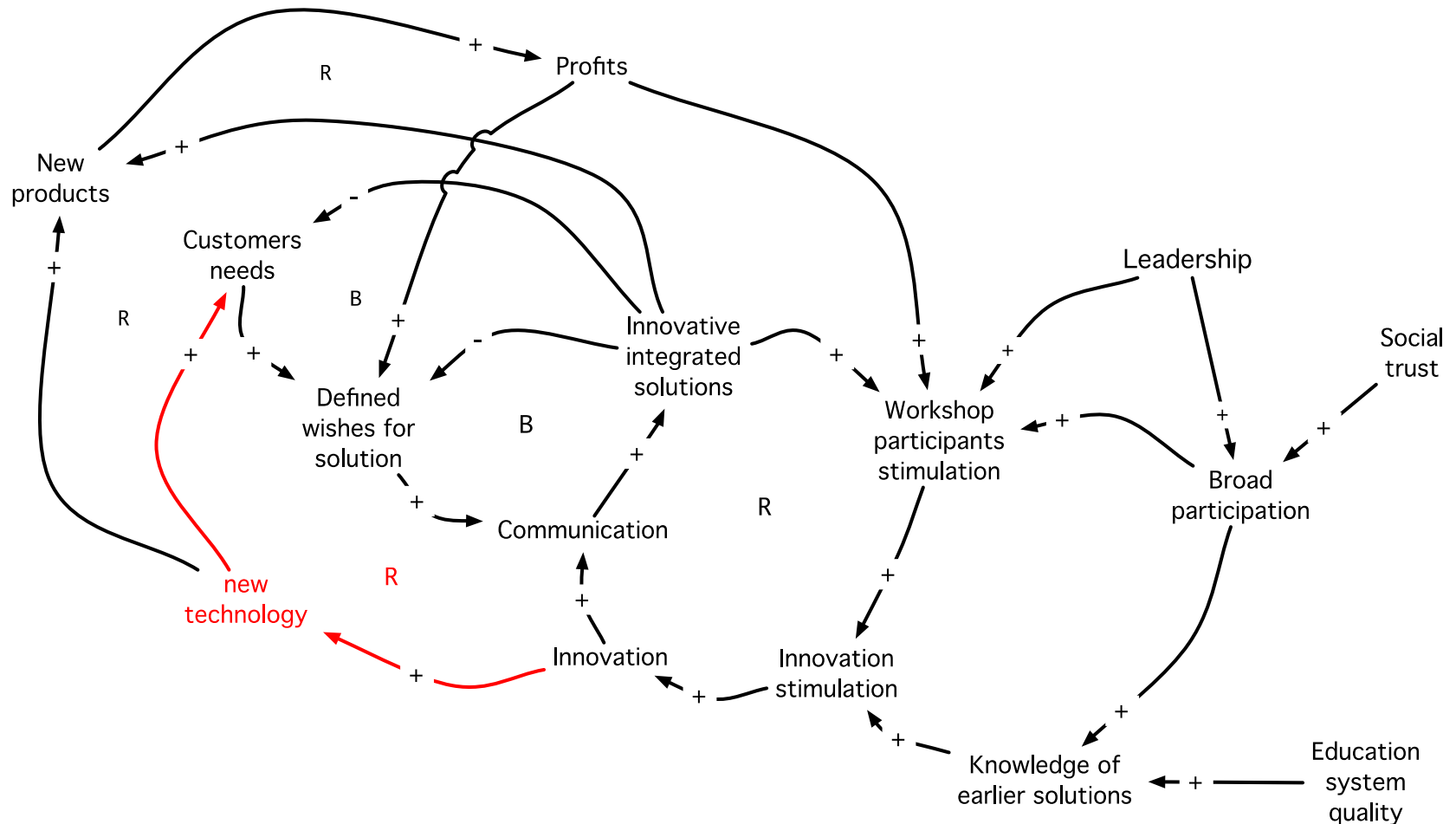


METHODS OF PP3

- Examine our first view of interactions between policies
- Consider interactions through discussion of how our initial policy mixes could work
- Discuss which questions our policy mix assessment should best focus on



WORKING WITH SYSTEMS 1





SCOPE OF CHANGE

SYSTEM LEVEL
(society-, economy-
level transition)

SUB-SYSTEMS
(value chains,
sectors etc)

**ELEMENTS
OF THE SYSTEMS**
(products, services,
technologies)

**SYSTEM
ADAPTATION**

**TRANSFORMATIVE
SYSTEM INNOVATION**

**FRAMEWORK
CONDITIONS**

**ECO-INNOVATION
POLICY MIX
FOR SHARING SOCIETY**

**TARGETTED
SUPPORT**

product sharing

value chain
optimisation

extended
producer's
responsibility

functional
sales

process
improvement

sustainably
designed,
lasting goods

**INCREMENTAL
INNOVATION**

**RADICAL
INNOVATION**

**INCREMENTAL
ADAPTATION**

**RADICAL
CHANGE**

**DEGREE
OF CHANGE**

