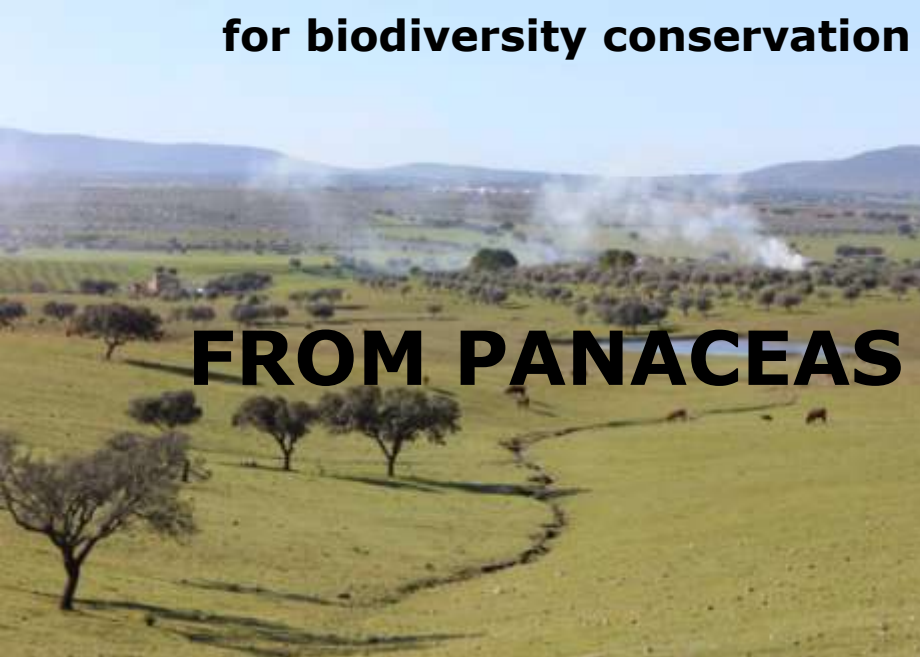




**Assessing the role of economic instruments in a policy mix
for biodiversity conservation and ecosystem services provision**



FROM PANACEAS TO POLICY MIXES



**David N. Barton
Irene Ring
Graciela M. Rusch**

Final POLICYMIX Conference, Leipzig, 25-27 February 2014



Overview

- 1. Policymix call to action**
- 2. The POLICYMIX project**
- 3. Policymix analysis – some conceptual approaches**
- 4. Examples from POLICYMIX research**
 - **PES**
 - **Ecological fiscal transfers**
- 5. POLICYMIX Findings in brief**

1. POLICYMIX Call to action

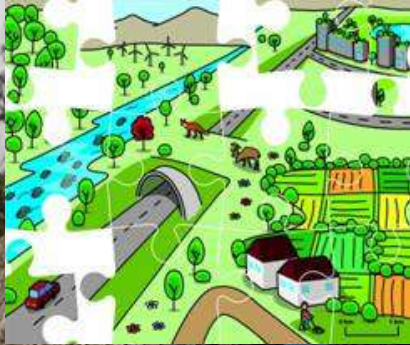
To demonstrate how no single policy instrument is a panacea for biodiversity conservation, and in so doing help to avoid agenda capture in policy debates by special interests.



Relevant policy headlines



Rio+20 Green economy: evaluating **polycymix** pathways to maintaining, enhancing and rebuilding *forest* as natural capital (**REDD+**)



EU Green infrastructure: aligning policy instruments in **polycymixes** that conserve biodiversity and deliver ecosystem services to people from *forested* landscapes ✓



Resource mobilization for global 2020 biodiversity targets: evaluating innovative financing of instruments in the **polycymix** ✓

Environmentally harmful subsidies: assessing their roles in the **polycymix** for *forest* management



2. The POLICYMIX project

- 1. Partners**
- 2. Research topics**
- 3. Methodologies**

2. The POLICYMIX project: partners



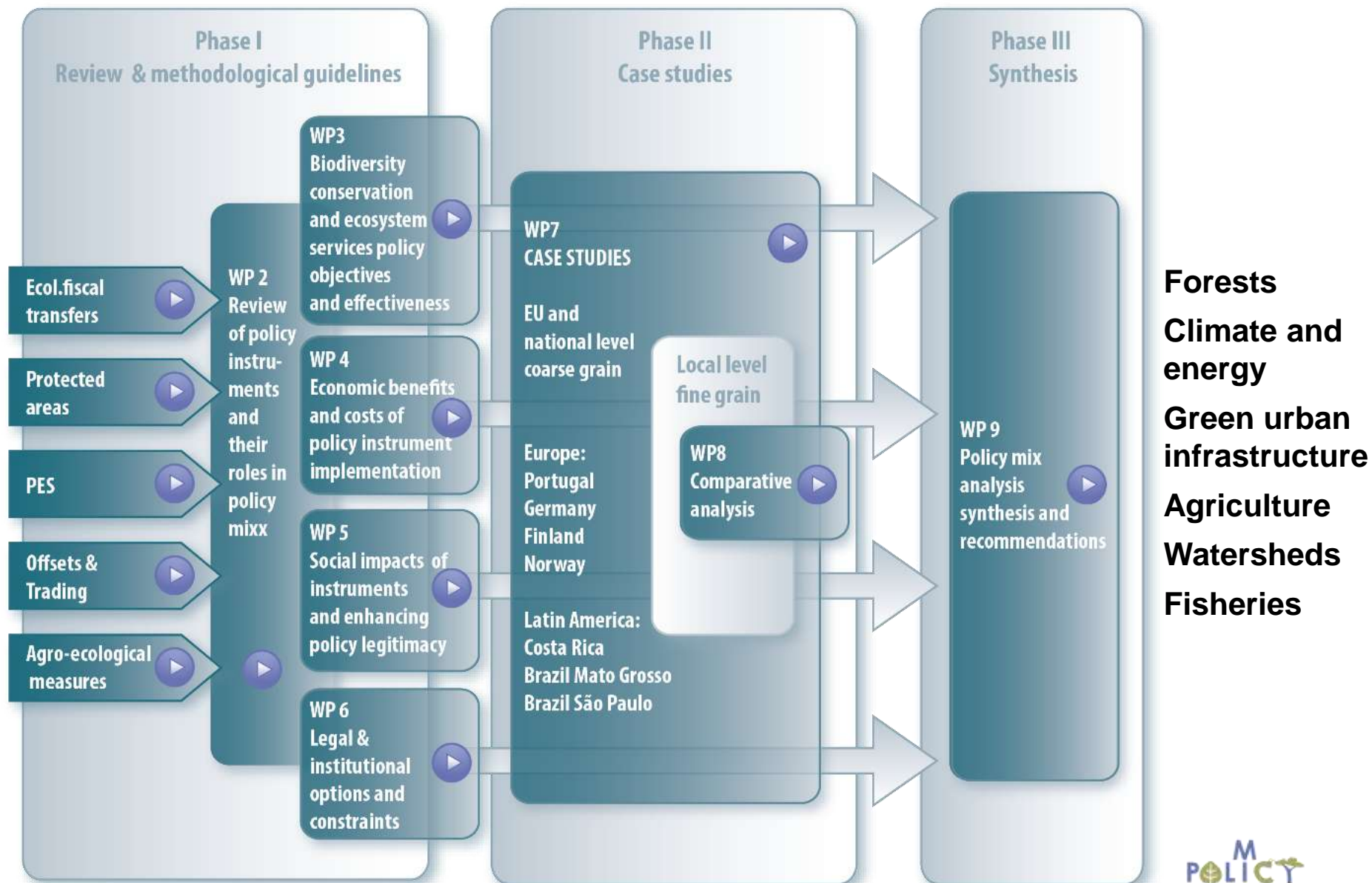
Research topics (WPs)

CONFERENCE

Frameworks & methodologies

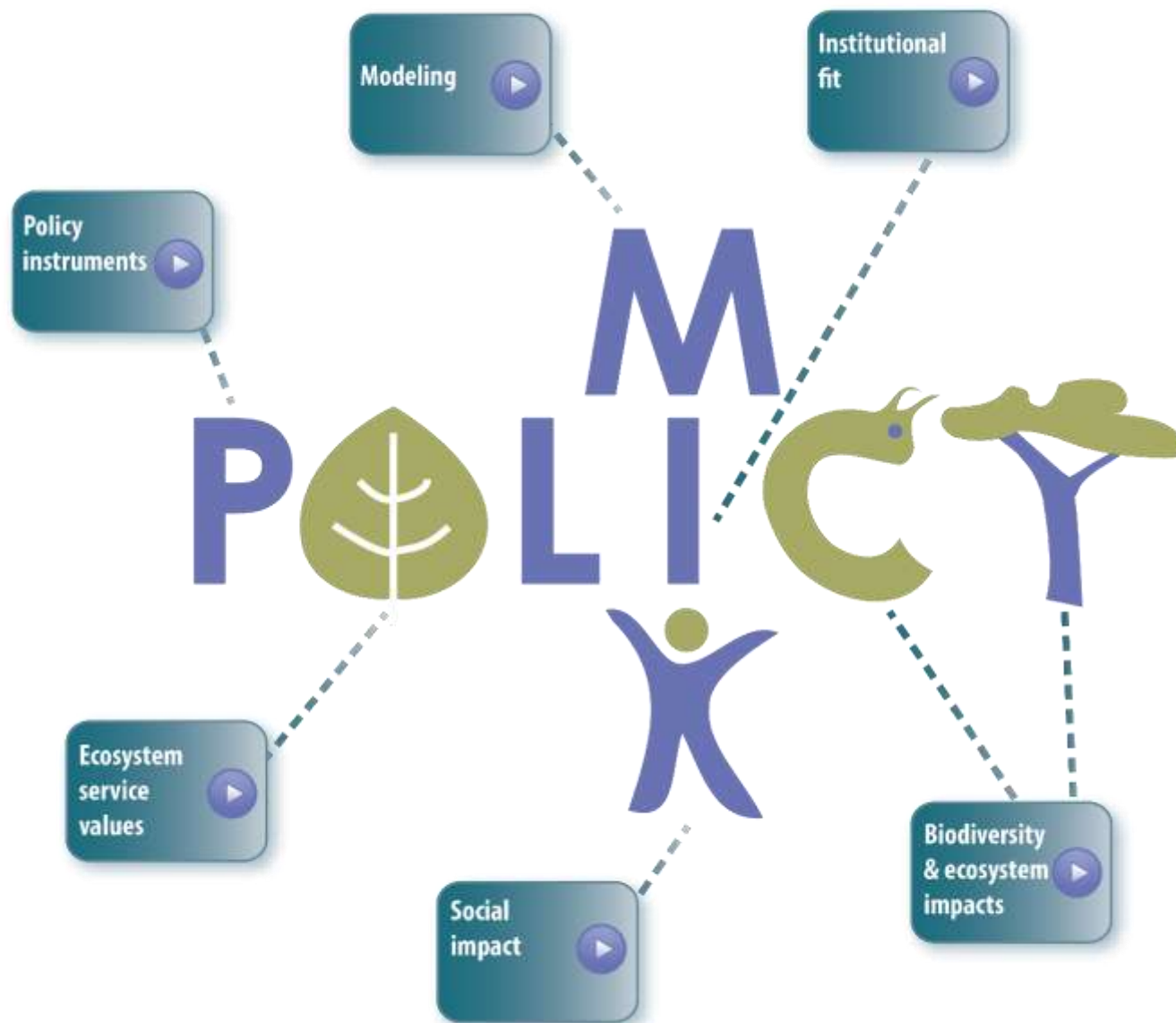
Case studies

Practitioners day



Forests
Climate and energy
Green urban infrastructure
Agriculture
Watersheds
Fisheries

Methodology guidelines





3. Policymix analysis – some conceptual frameworks

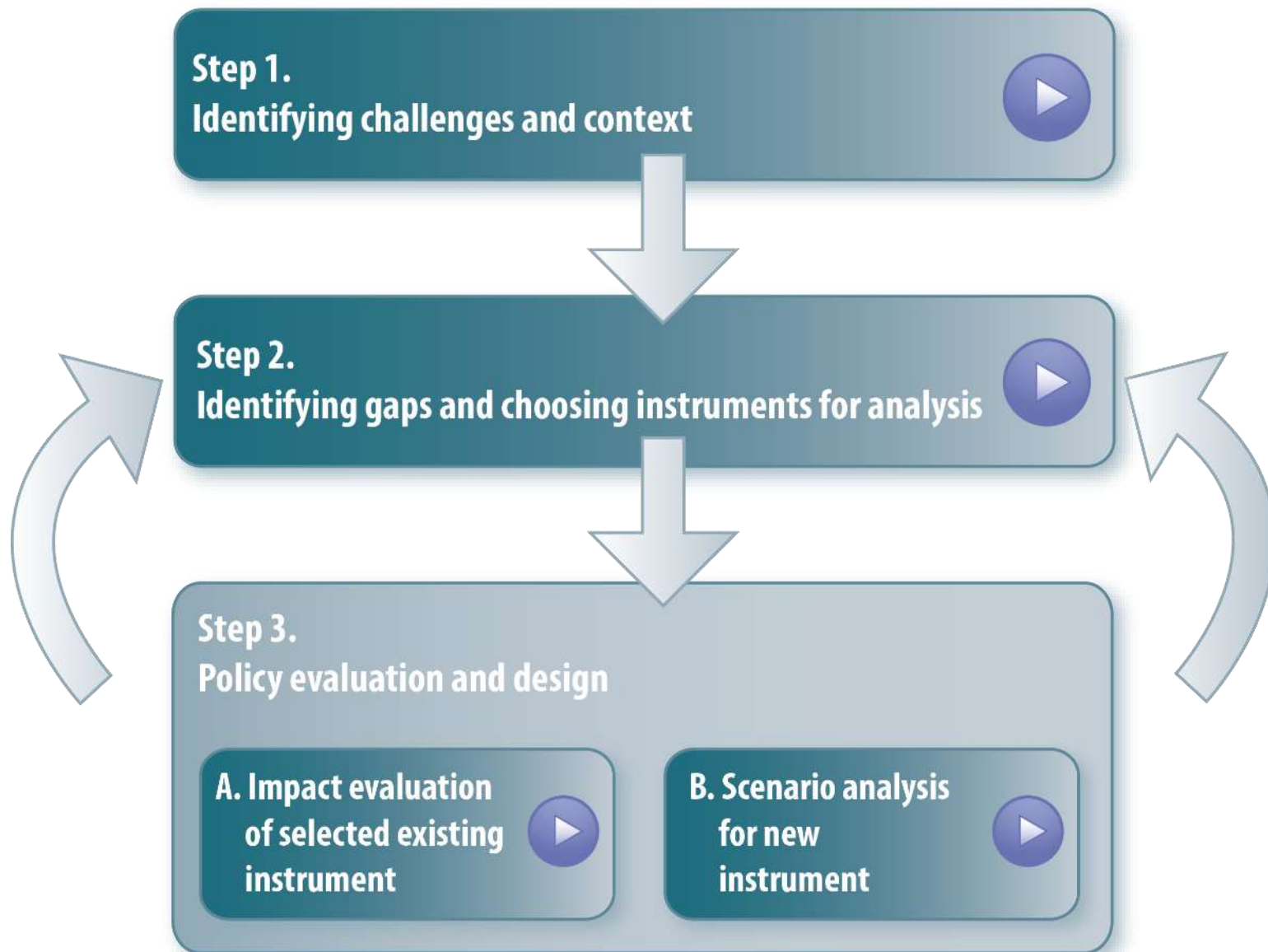
1. Policymix analysis

2. Policy cycle

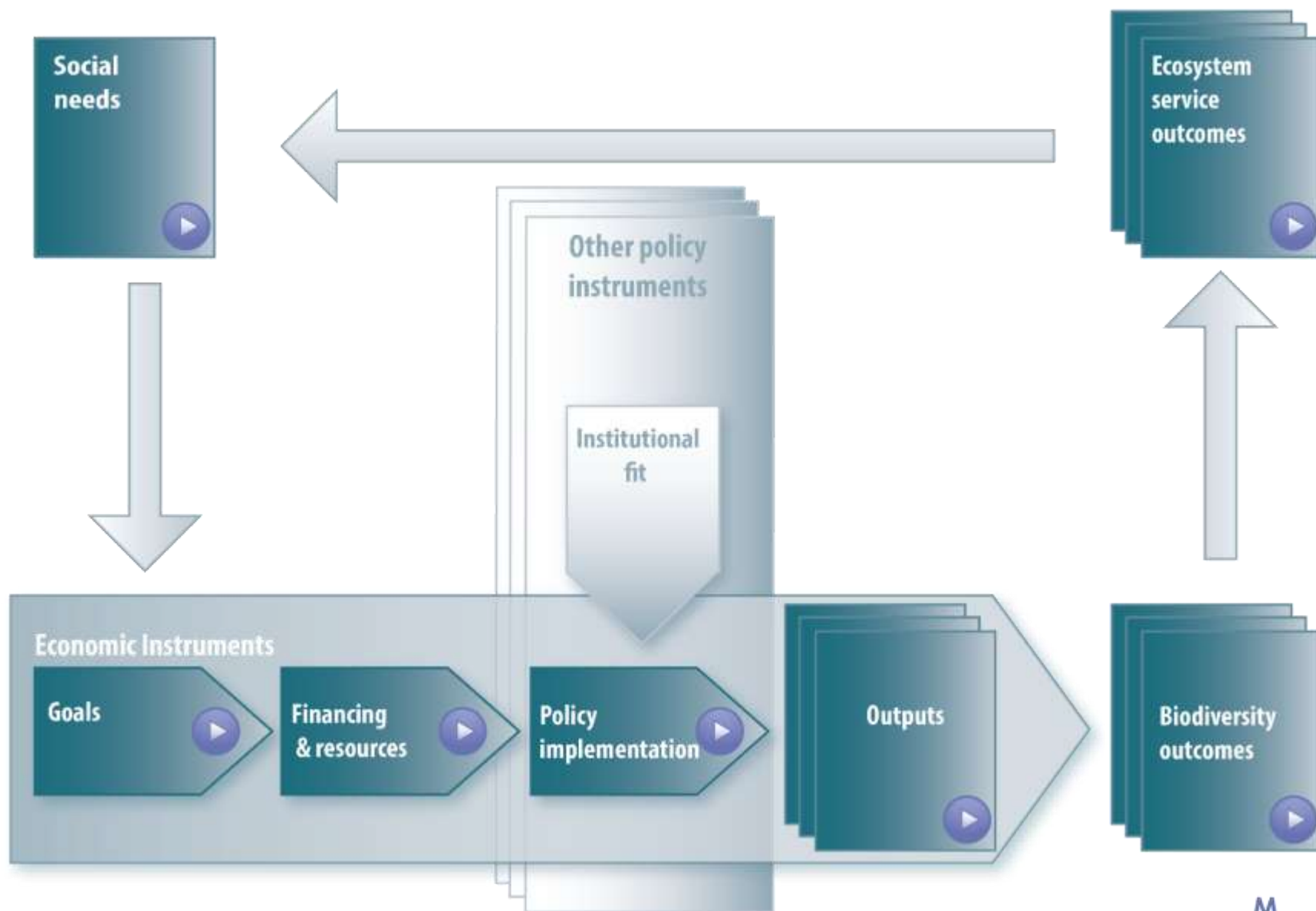
3. Policyscape of instrument jurisdictions

4. Public-private benefits

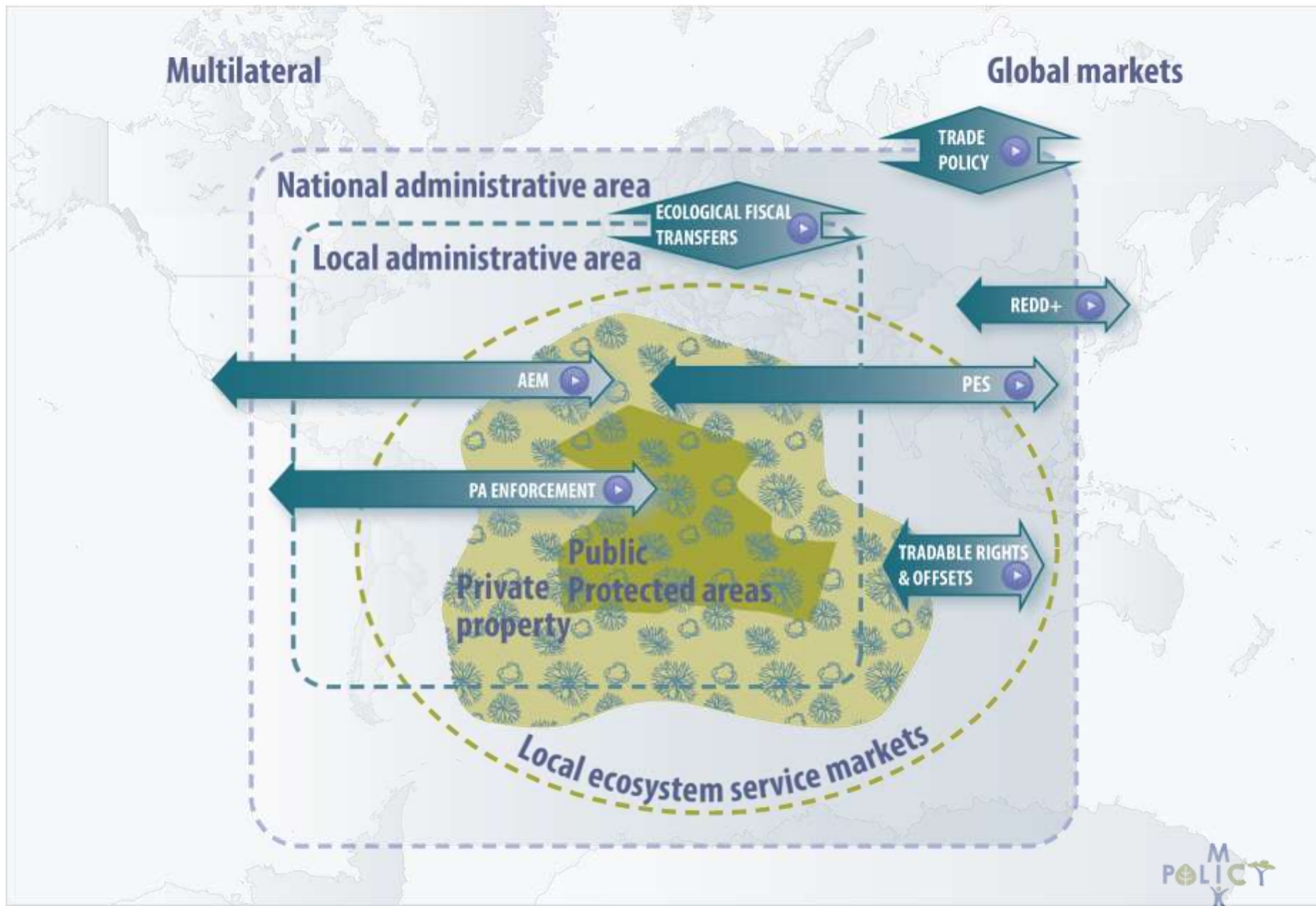
Polycymix analysis



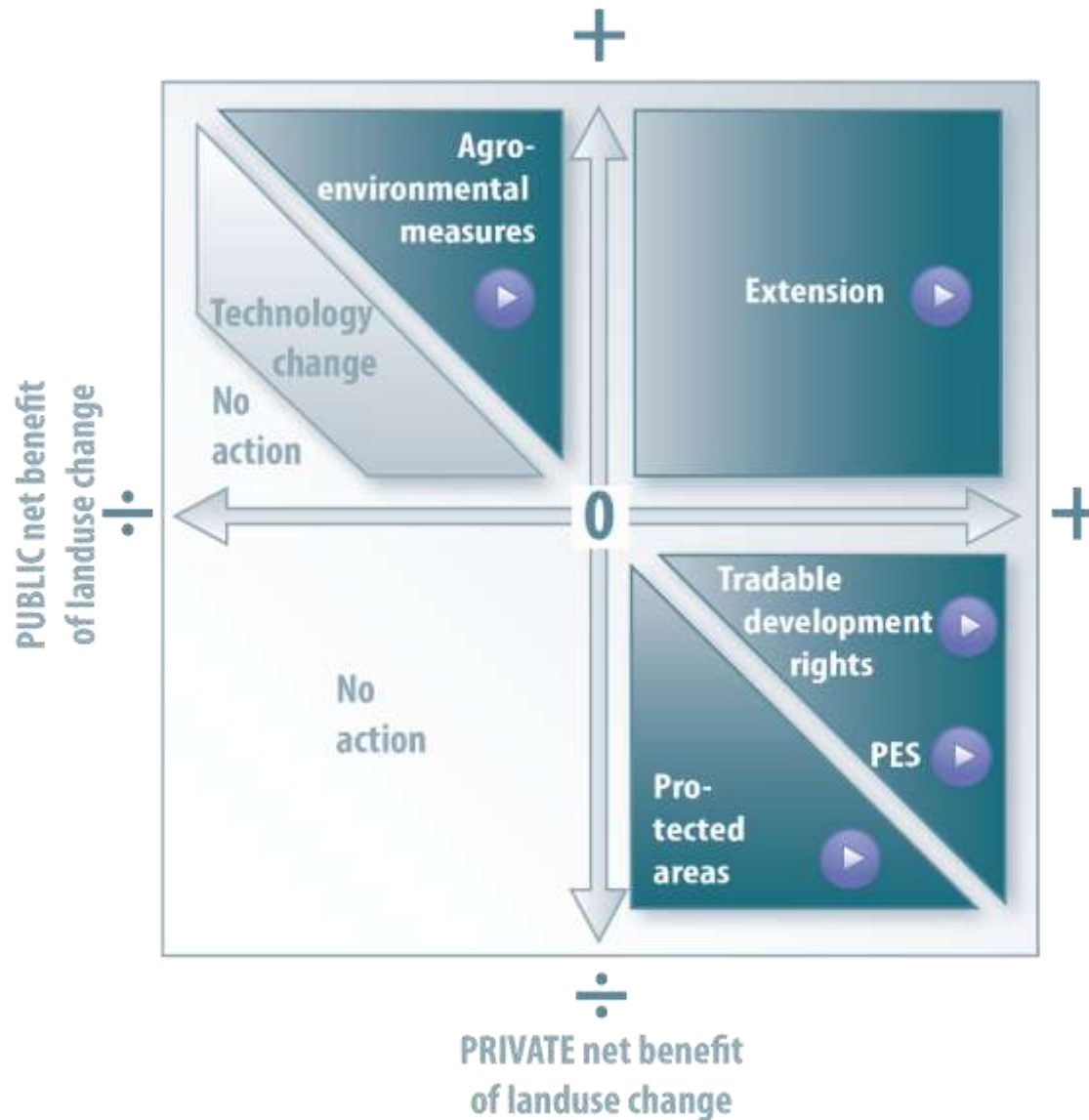
Policy cycle - steps and evaluation criteria



Instruments & jurisdictions



Instruments' public-private benefits



Source: adapted from

Pannell, D. J. (2008). "Public Benefits, Private Benefits, and Policy Mechanism Choice for Land-Use Change for Environmental Benefits." *Land Economics* 84(2): 225-240.

4. Examples from POLICYMIX research



Rio+20 Green economy: evaluating **policy mix** pathways to maintaining, enhancing and rebuilding *forest* as natural capital (**REDD+**)



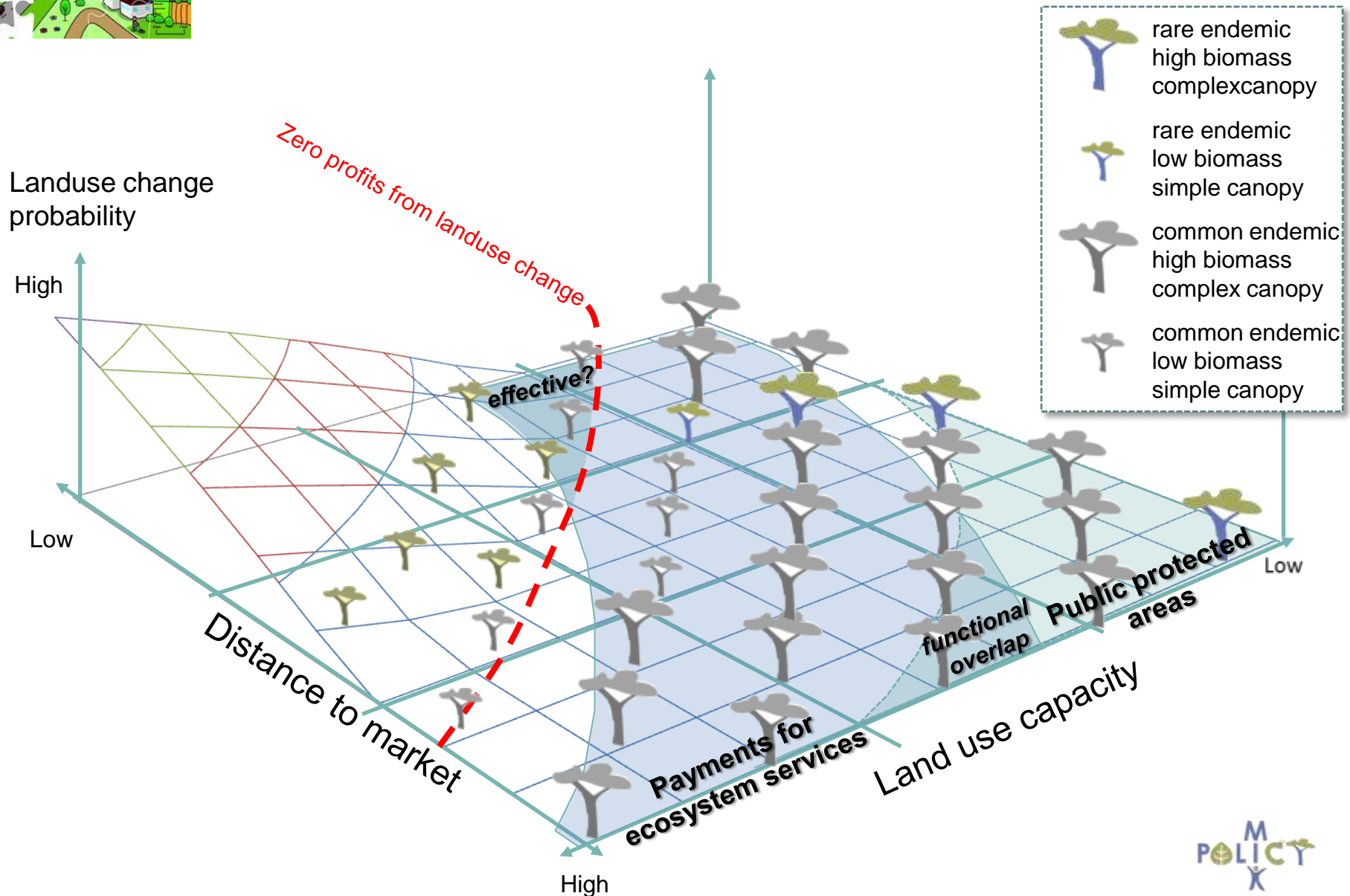
EU Green infrastructure: aligning **PES** in **polycymixes** that conserve biodiversity and deliver ecosystem services to people from *forested* landscapes



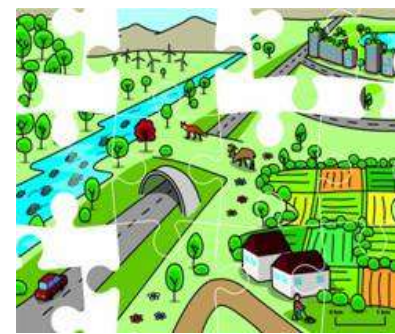
Resource mobilization for global 2020 biodiversity targets: evaluating innovative financing of instruments in the **policy mix**

Environmentally harmful subsidies: assessing their roles in the **policy mix** for *forest* management

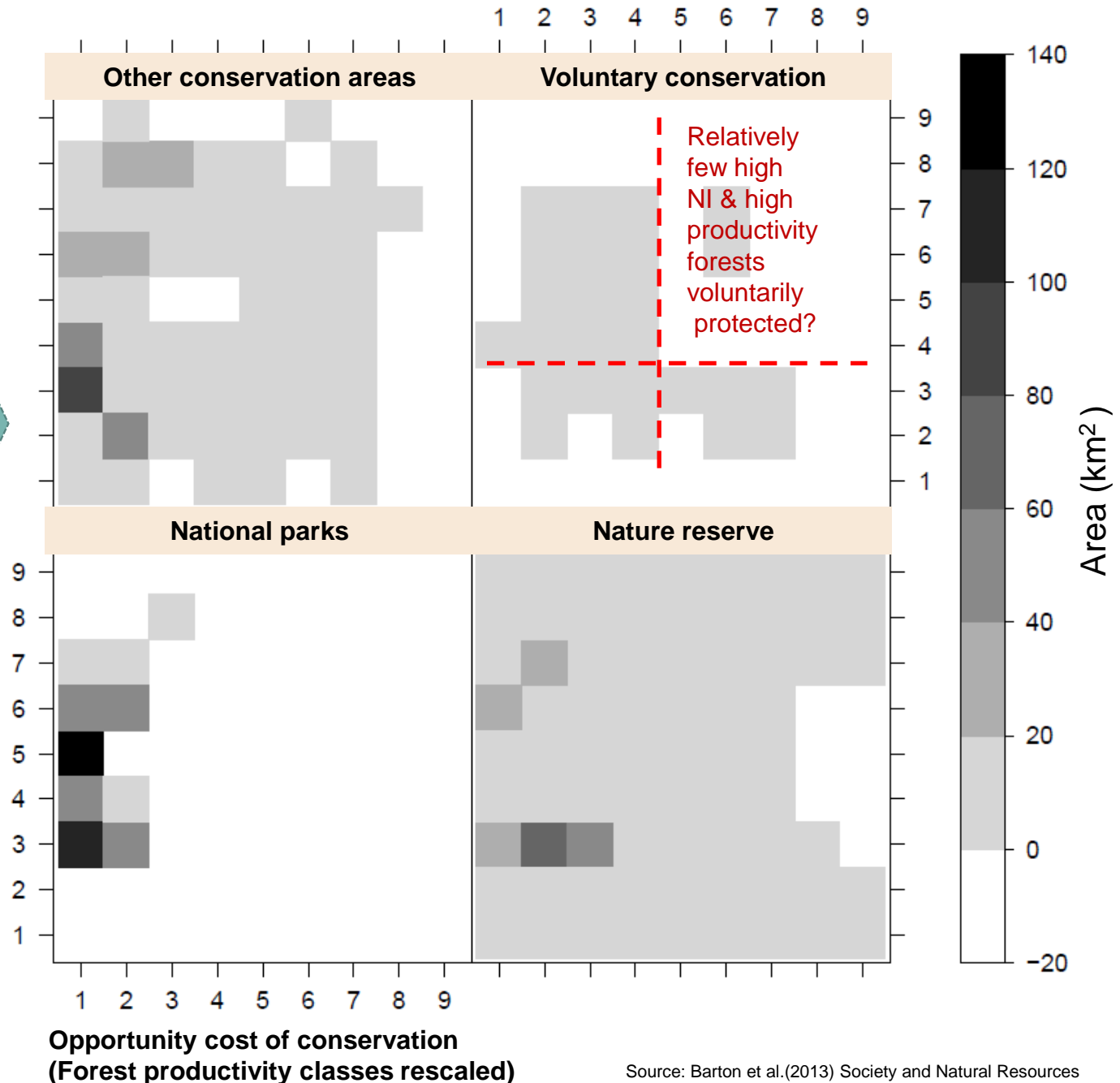
Example 1: Aligning PES to a POLICYSCAPE for green infrastructure



Example 1: Norwegian forest policyscape



State of forest biodiversity
(Nature Index rescaled)



4. Examples from POLICYMIX research



Rio+20 Green economy: evaluating **policy mix** pathways to maintaining, enhancing and rebuilding *forest* as natural capital (**REDD+**)



EU Green infrastructure: aligning **PES & EFT** in **policymixes** that conserve biodiversity and deliver ecosystem services to people from *forested* landscapes



Resource mobilization for global 2020 biodiversity targets: evaluating environmental fiscal reform and **EFT** in the **policymix**

Environmentally harmful subsidies: assessing their roles in the **policy mix** for *forest* management



Example 2: Ecological Fiscal Transfers (EFT)

Portugal

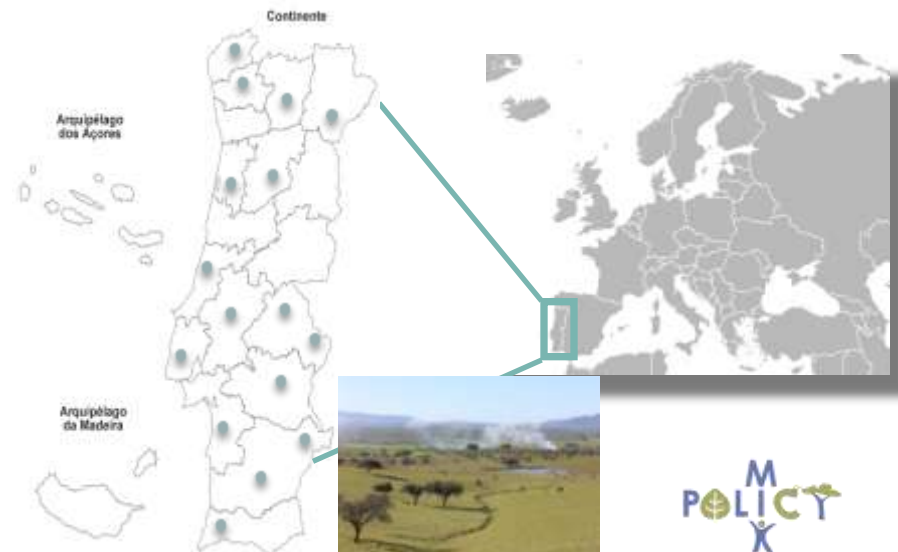
Local Finances Law 2007

- promote sustainable local development
- Natura 2000 and other nationally protected areas as indicators for fiscal transfers to municipalities



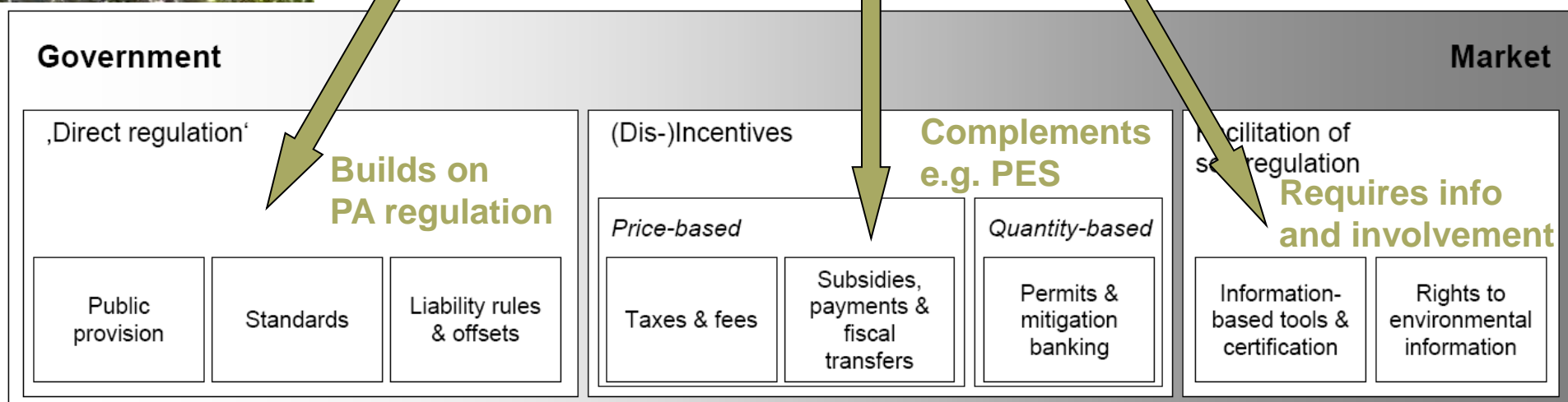
Brazil (since 1991)

14 out of 26 states consider protected areas for distributing state-level value-added tax to municipalities ("ICMS Ecológico")





Ecological Fiscal Transfers in the policy mix



Governance levels addressed: governments at different levels – national / state / local

Associated with: Constitution, Protected area regulation

Potential complement: PES – private actors;
Conservation support prog. – management costs

Relevant: Good information policy to increase knowledge and motivation of actors addressed



5. POLICYMIX findings in brief

*There is evidence that different protection efforts might be **complimentary**, i.e. PES increasing the effectiveness of buffer zones around protected areas.” (Costa Rica)*

*“Forest owners conserve forest with a mix of **emotional** bequest, intrinsic, ethical and **entrepreneurial** self-interested motives” (Finland)*

*“Policymixes can provide wider **options** and opportunities for decision makers to engage in conservation, but also deal with **uncertainties** inherent to their economic activities” (Portugal)*

“Policymix thinking” a heterodox approach



"The flavour is great so far - pass the pickled onions and raspberry jam."

Source: www.CartoonStock.com

POLICYMIX vision

*"Economic instruments need a regulatory home
and a family of information instruments."*



Quote: Eeva Primmer
Illustration: Javier Saez Castan



Finnish Environment
Institute

