Dynamic policy mix for efficient use of metals and other material resources

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**POLICY-MIX TARGETS**

- Virgin metals use: -80%
- Minimize burden-shifting
Decoupling growth from resource use and environmental impacts

Raw material consumption, EU-27 (in 1000 tonnes)

- Other metal ores - gross ore
- Chromium - gross ore
- Manganese - gross ore
- Titanium - gross ore
- Magnesium ores - gross ore
- Tantalum - gross ore
- Tungsten - gross ore
- Uranium and thorium
- Bauxite and other aluminium
- Platinum and other precious metal ores - gross ore
- Silver - gross ore
- Gold - gross ore
- Tin
- Zinc
- Lead
- Nickel
- Copper
- Iron ores
POLICY OBJECTIVES

- Increase recycling
- Increase material efficiency
- Substitute metals for other materials - where appropriate
POLICY MIX FOR METALS AND OTHER MATERIALS

- Tax on materials used in the EU
- Internalisation of external costs
- Research & development
- Fora for communication
- Technical requirements
- Support to sharing systems
- EU strategy for dematerialisation
- Extended producer responsibility
- Removal of harmful subsidies
- Advanced recycling centres
- Education programmes
- Information campaigns
A DYNAMIC POLICY MIX

Decoupling growth from resource use and environmental impacts

- Environmental taxes
- Materials tax
- Labour taxes

Supporting instruments

Year:
- 2020
- 2030
- 2040
- 2050
Thank you!

For more information:  Ekvall et al.: “Development of DYNAMIX policy mixes”
DYNAMIX Deliverable 4.2
http://dynamix-project.eu/

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