

EGM on the Indicator Framework for the post-2015 Development Agenda 25-26 Feb 2015, New York

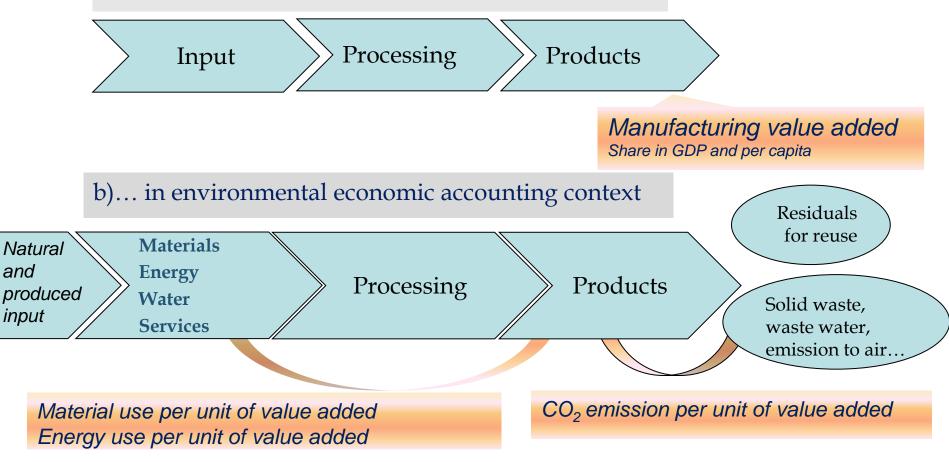
Material intensity - a key indicator of sustainable industrialization

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Industrial production:

a) ... in traditional economic accounting context





Approach to indicators

• Material intensity as ratio of material used to the amount of production :

<u>At the level of whole economy</u> Material intensity = DMC/GDP Material used per unit of GDP

<u>At the manufacturing sector level</u> Material used in kg per unit of MVA

• Value based indicators

Material intensity = cost of material input/VA Cost of material per unit of value added or *ratio of material cost to value added*

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Ratio at product levels

- Quantity of water used per unit of a beverage
- Amount of coal used to generate 1 kwh electricity
- Metal used per unit of a passenger car



Data sources and monitoring mechanism

- Data on materials consumed by industry are collected by industrial surveys (IRIS-2008)
- UNIDO collects industrial statistics data (B,C,D and E of ISIC rev 4) using its General Industrial Statistics Questionnaire in cooperation with OECD
- Currently, input data are not the part of the international data collection programme, but data exist in national statistical databases
- By adding input item(s) to UNIDO questionnaire data could be obtained internationally through existing mechanism
- For developing countries, UNIDO will enhance its existing technical assistance programme taking the new data demands into account.



Thank you!

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