



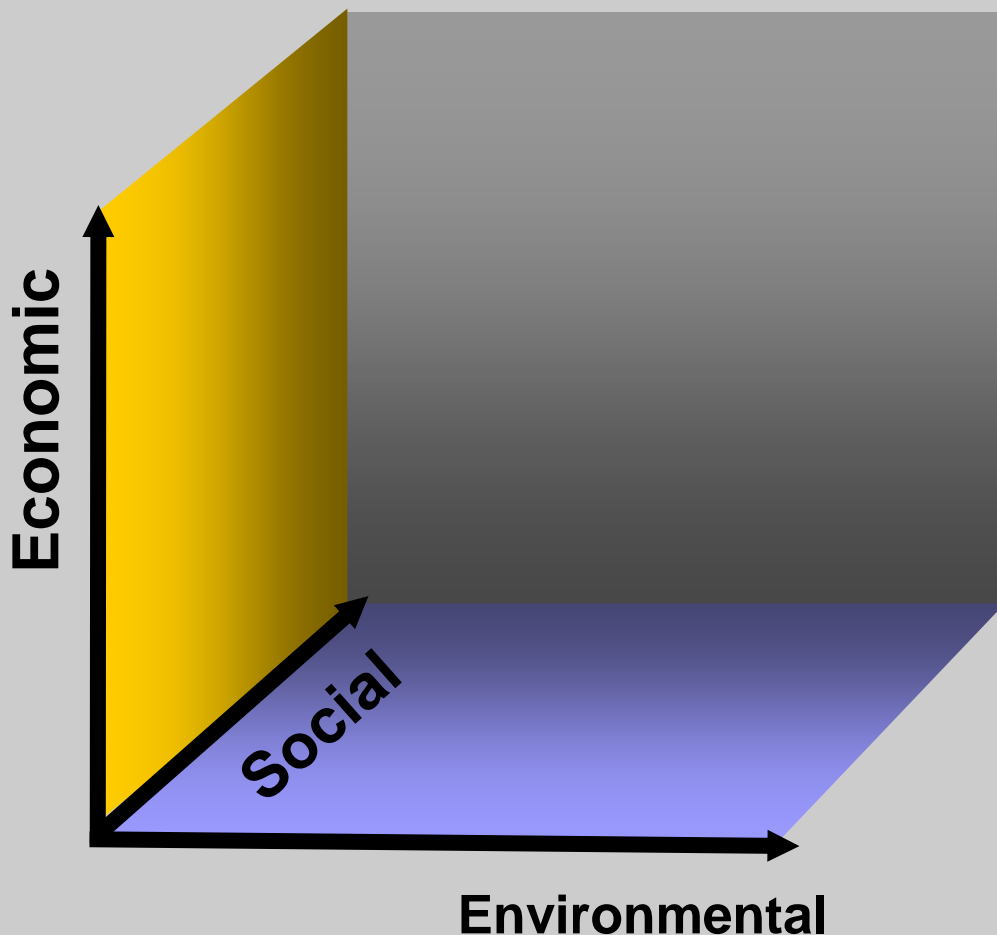
# Sustainable Development reporting and the SEEA

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Session 5: SEEA applications and user needs, Top 21

# Measuring Sustainable Development – a Challenge



- **Complex issue**
- **Present / future wellbeing**
- **Requires a holistic view and the integration of all subjects**

# Basic Requirements – User Needs

**The world in one figure ?**

- Easy to understand, easy to communicate
- Monitoring
- Performance control

- Relevance: comprehensive data set - sufficient description
- Background data for analysis of interrelations
- Code of practice – quality criteria

**Complex Data Needs !**

# Indicator System

Sample of various isolated indicators of different dimensions for a special topic

## Pros:

- **Various information into an overall context**
- **Political relevance**
- **Single indicators easy to understand**
- **Flexible – open for new indicators**

## Cons:

- **Difficulties in analysing interrelations between indicators**
- **Sometimes not easy to communicate**

# Future Wellbeing - Capital Approach?

**SD = the sum of all kinds of capital** economic, natural and social capital **must not decline – But**

- Substitutability between kinds of capital is limited
- Measuring of capital in physical / **monetary** units is not always feasible

**That means:**

- Capital approach could serve as guiding principle for the selection of indicators.
- Also flow indicators are necessary to cover SD aspects

# Expanded Accounting System – SEEA

## **GDP and beyond - SD / Welfare Measurement**

- **Statistical framework – expanded Accounting System**
- **Economy – SNA / Environment - SEEA**
- **Socio Economic Accounts?**
- **SNA and satellites are fully compatible**

## **Ideal background information for indicators**

- **Analysis of interrelations between different topics**
  - e.g. breakdown by branches, Input – Output - Analyses
- **Econometric Modelling**
- **International comparability – SNA / SEEA**

# German Sustainable Development Indicators

- German strategy for Sustainable Development
- Policy driven selection of indicators, assistance by Federal Statistical Office - FSO
- Reporting by FSO
- 4 / 21 themes, 35 indicators
- Measurable targets
- Important: A third of the indicators from **SNA** and **SEEA**



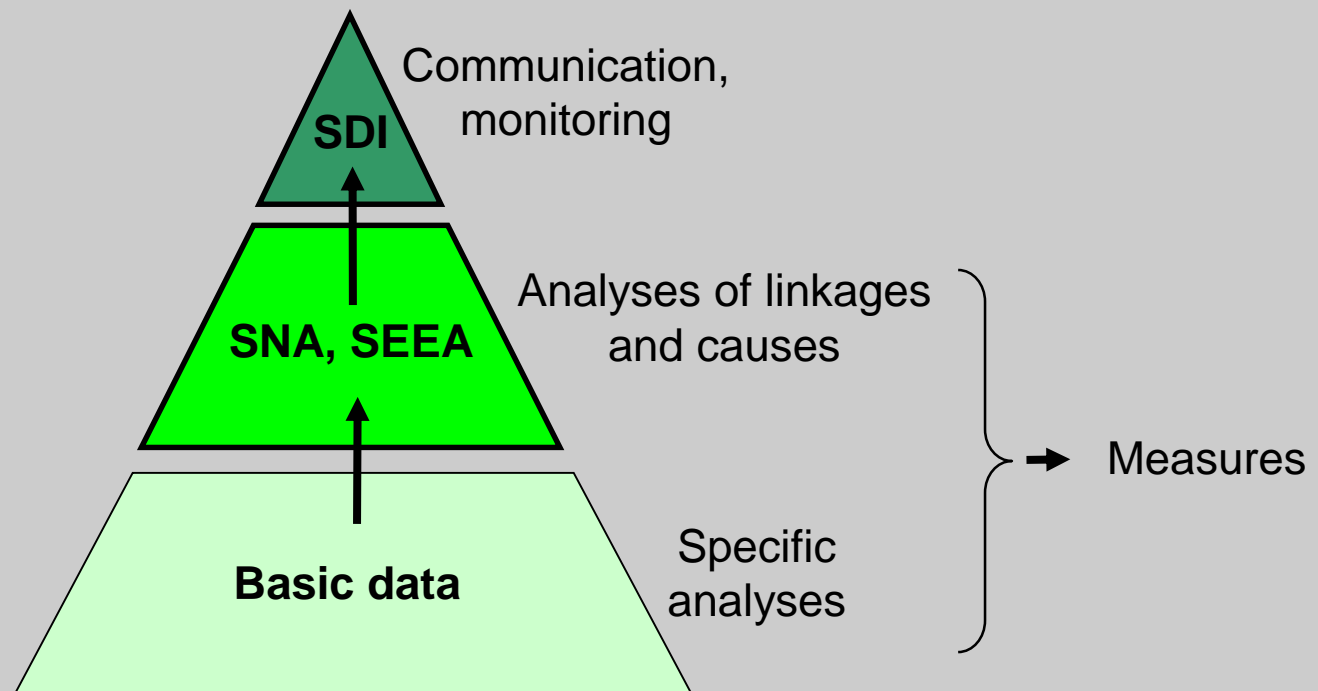
# SEEA - Important background data

- Breakdown by branches
- I–O–Analyses / LCA
  - CO<sub>2</sub> / Energy / Raw materials embedded in Imports
  - Consumption approach
    - CO<sub>2</sub> / Energy / Raw materials in Exports
    - CO<sub>2</sub> / Energy consumption by private household





# Indicator systems and accounting



# Conclusions

## International activities

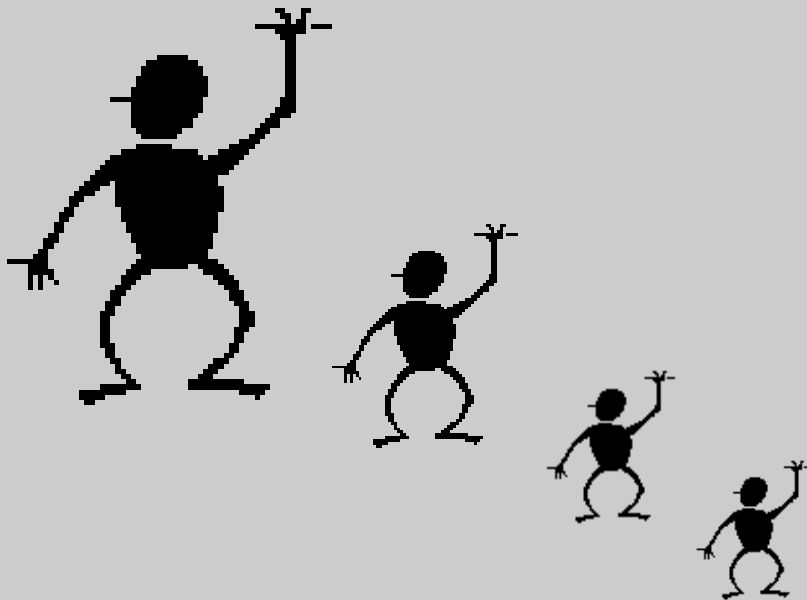
- **Stiglitz-Sen-Fitoussi Commission**
- **Green Growth / Green Economy / OECD / UN**
- **EU Sponsorship on Measuring Progress, Wellbeing, Sustainable Development**

**Measuring SD, Progress, Welfare, ...**

**=> GDP and Beyond**

**= SNA / SEEA / ...**

# Thank you for your attention!



## Any questions?

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