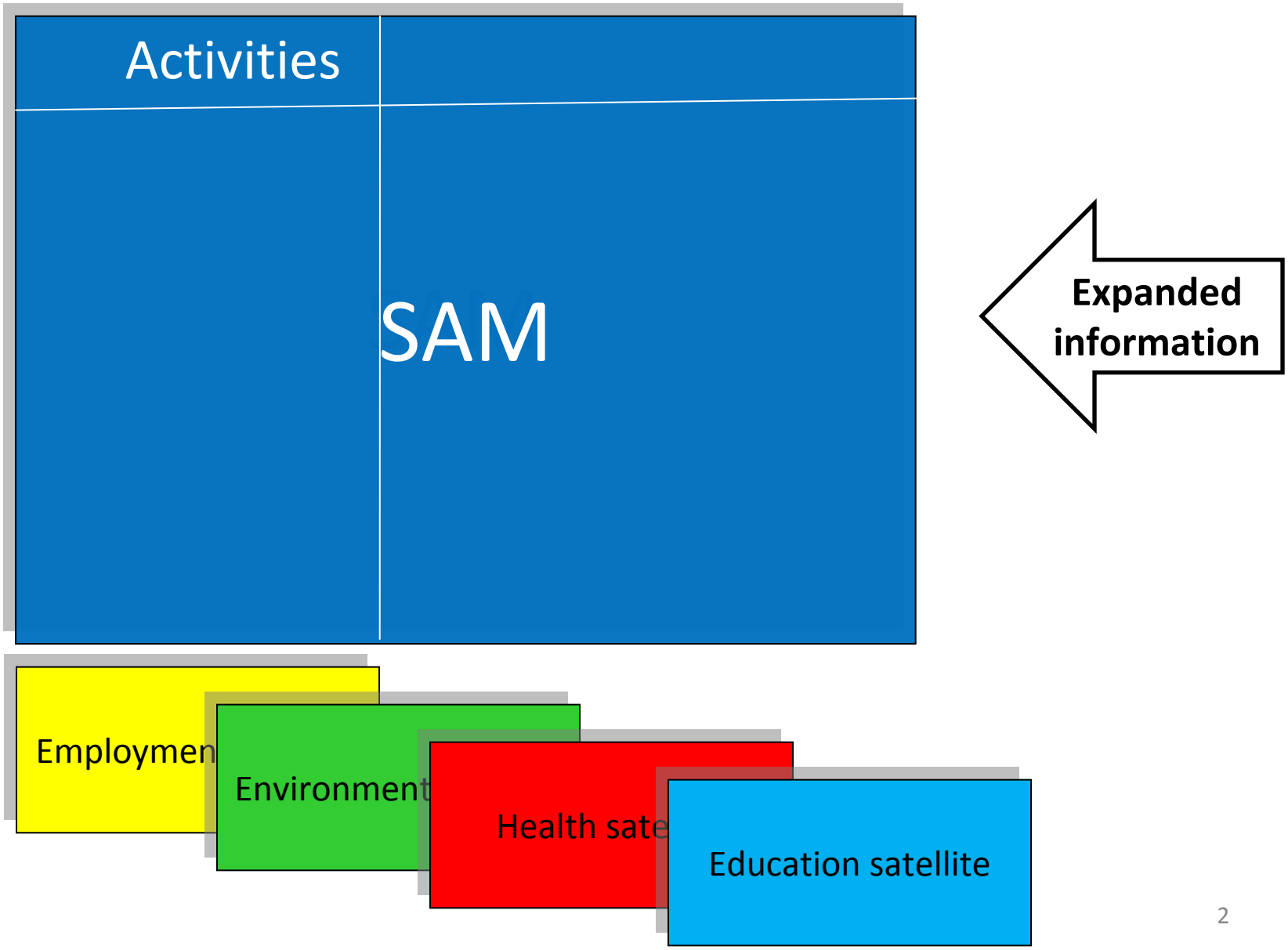

Variable Map
Dynamic SAM for Indonesia 2000-2008 (Producer Prices)
12/17
Matrix
Column
Row
Scalar
17
Factor (F)
14
Institutions (i)
Dimension
ACCOUNT
Commodity
Activity
Factor Labor
Factor Capital
Household
Corporate
Government
Tax
Subsidy
Capital A/C
World Cosolidated Current A/C
Total Row/Col
Balance
Import
World Transfer
Consolidated # 11 = 11a + 11b
DySAM and Green Jobs
The Coordinating Ministry for Economic Affairs
Statistics Indonesia
International Labour Organization

Extending and expanding the DySAM



Background

In 2009 a **Fiscal Stimulus Package** was formulated to respond to the Global financial Crisis. The package included public **infrastructure investments worth IDR 12.2 trillion**

Enhance diagnostic and policy advisory capacities through development of a tool that could analyze the

a) impact of public spending on employment, target groups & poverty

b) the cost-effectiveness of the government investments.

Request for technical assistance from ILO

Social Accounting Matrix Advisory Support And Monitoring Assistance (SAMASAMA)

- **Key Partners:**
  - Coordinating Ministry for Economic Affairs
  - Statistics Indonesia
  - Ministry of Public Works
  - Ministry of Finance
  - Ministry of Manpower and Transmigration
  - National Development Planning Agency
  - University of Indonesia
  - Gadja Madah University
- **Main activities:**
  - Development of a Dynamic Social Accounting Matrix with an employment satellite account, technology choice and expanded information on the construction sector
  - Provision of training to build the capacity of end users
  - Production of case studies to illustrate the features and benefits of the DySAM

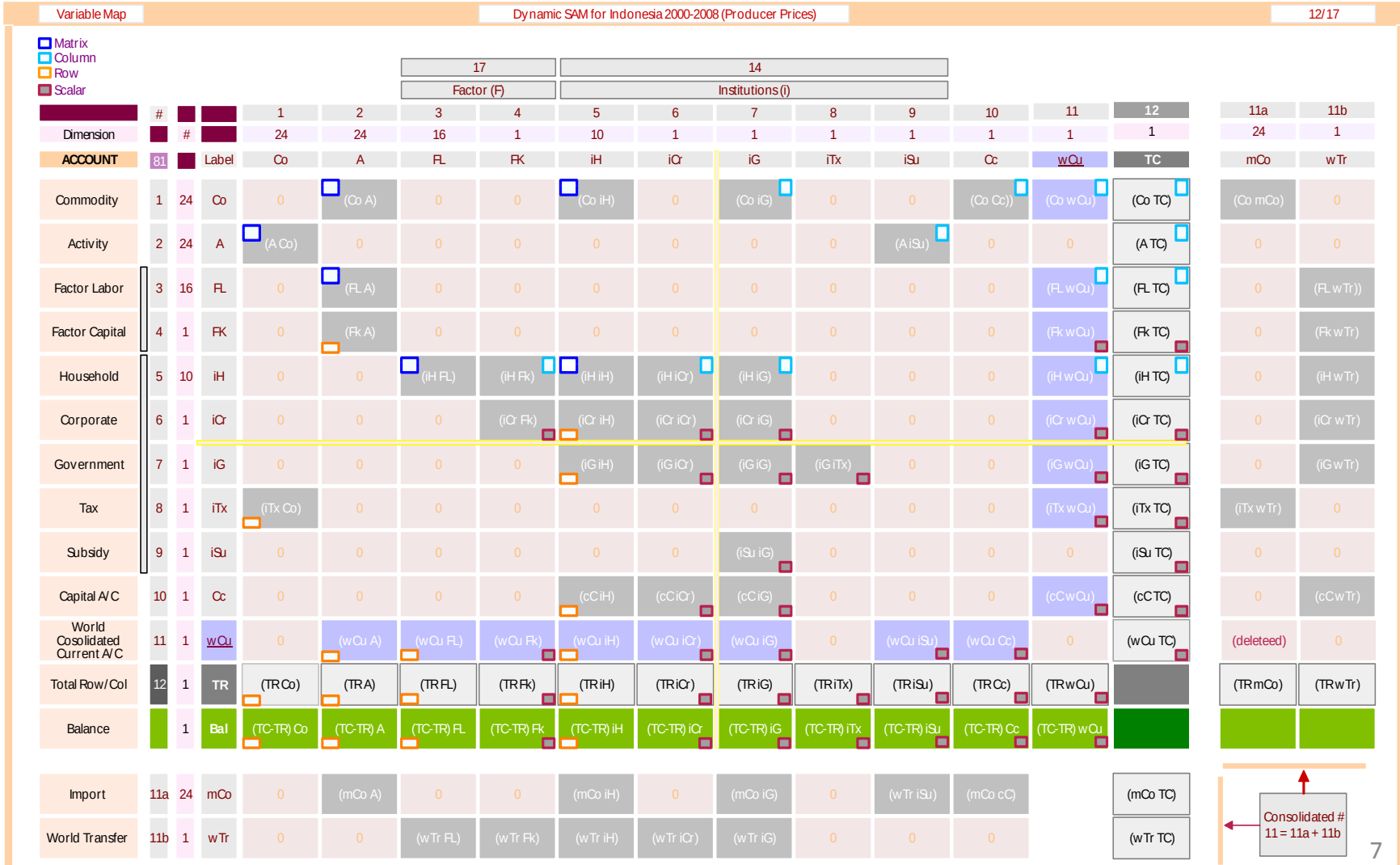
Static / Dynamic

Static SAM	Dynamic SAM
Circular economic flow is static →	Circular economic flow evolves over time
Linkages: static - covering one year →	Linkages: dynamic – backward & forward
✓ Extending : inclusion of satellite accounts	✓ Extending : inclusion of satellite accounts
✓ Expanding: disaggregation of activities / commodities	✓ Expanding: disaggregation of activities / commodities

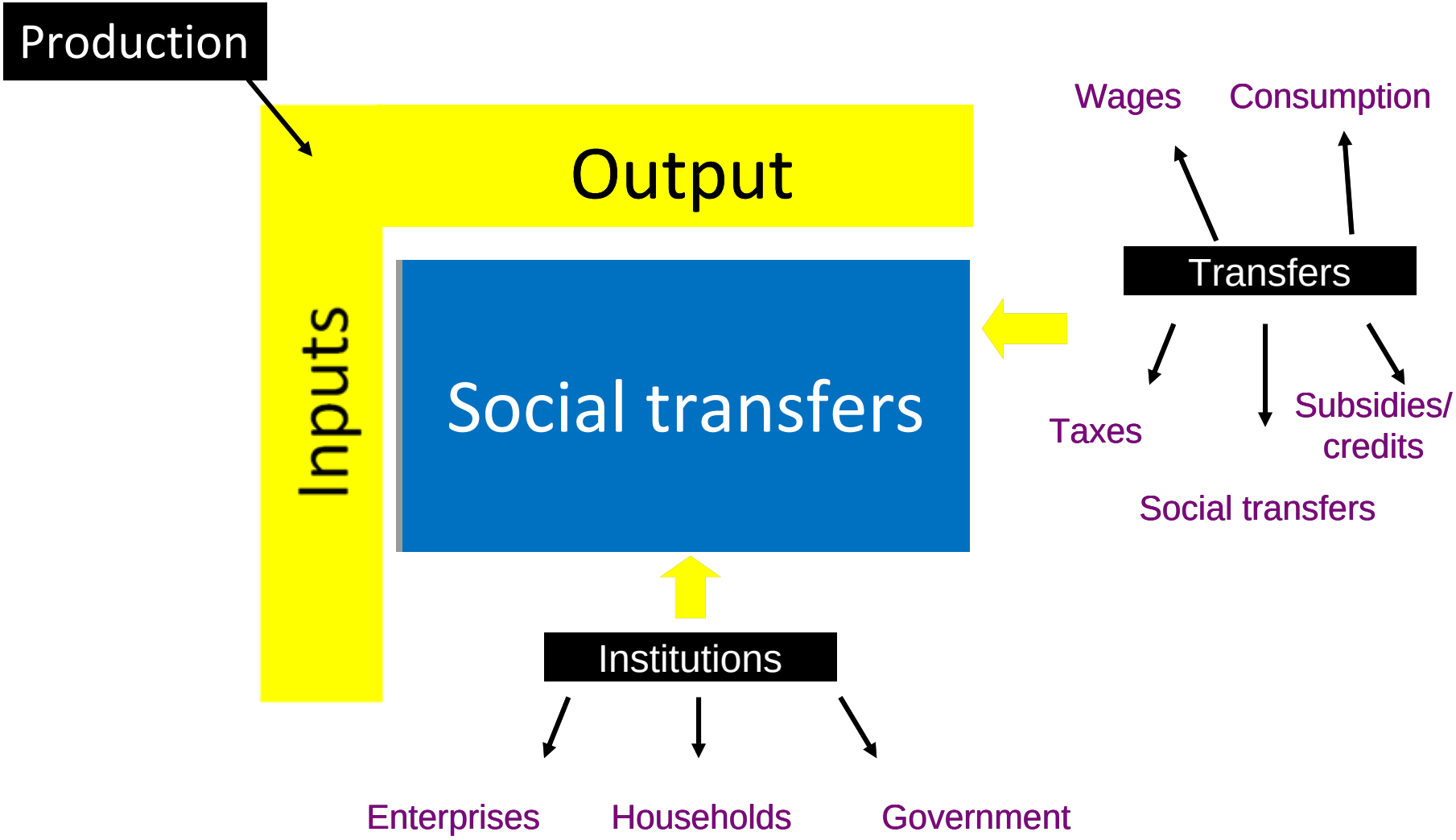
DySAM?

- SAM includes input/output + social transfers
- Dynamic - economic flow evolves over time
- Forward and backward linkages – added flexibility
  - the future does not have to be the same as the past
- More details on employment through an employment satellite account, which helps targeting,
- Opening up of specific sector, e.g. Infrastructure

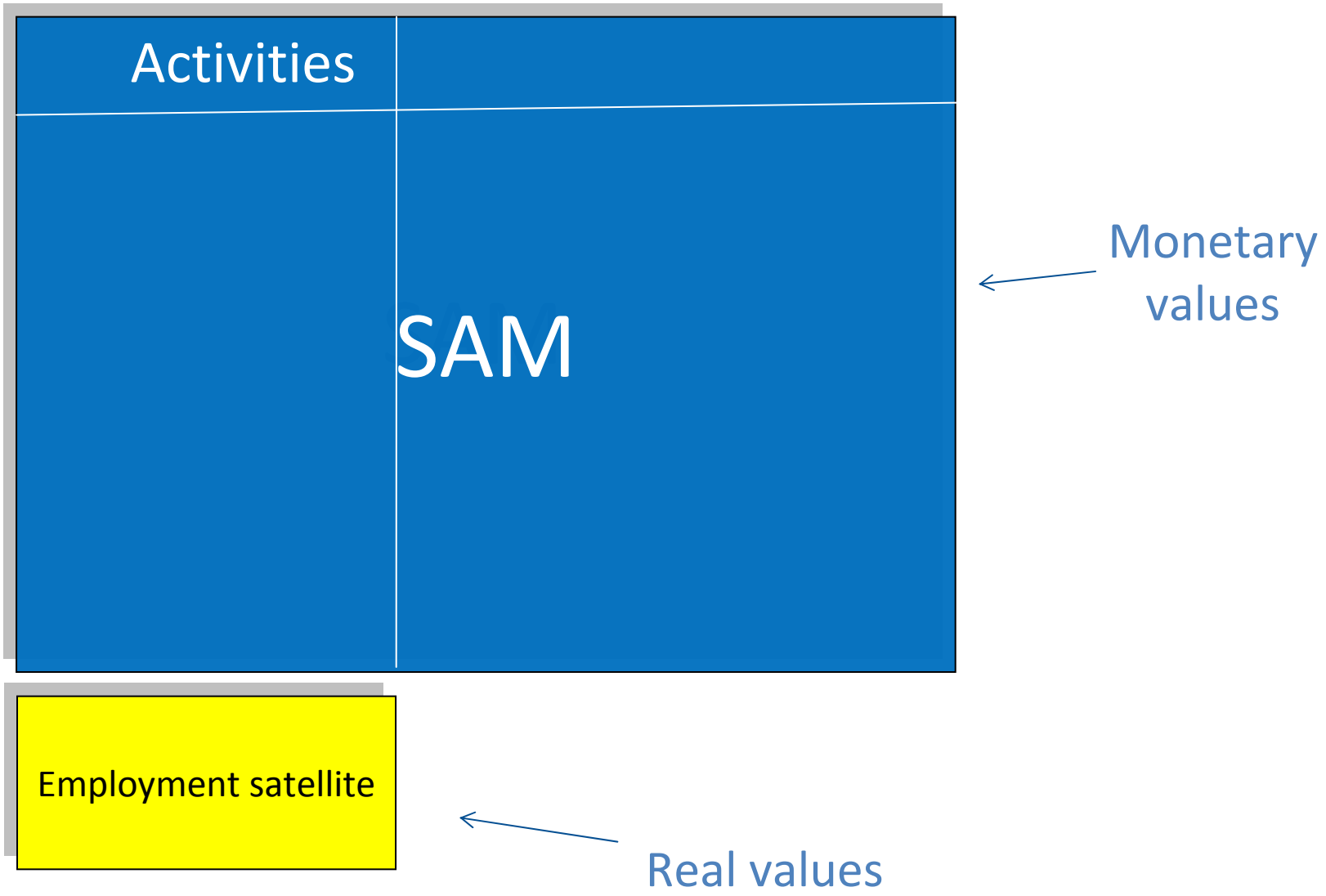
The Dynamic SAM (2000-2008)



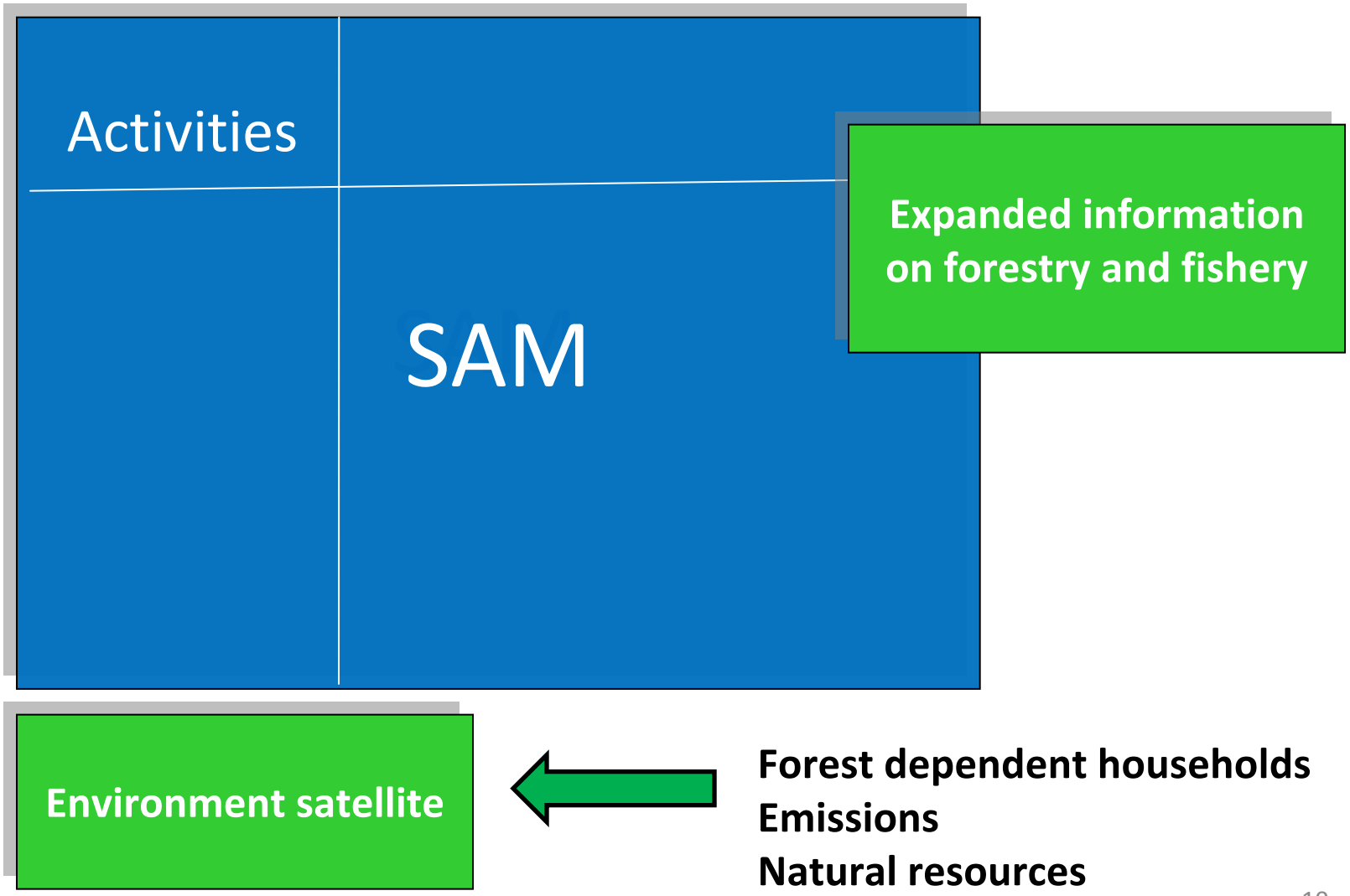
Social Accounting Matrix



An extended SAM



Extending and expanding for Green Jobs



DySAM and the environment

What questions could be explored?

Analysis of "green" investments

Expansion of Biofuels/gas

Analysis of a target

Reduce Co2 emissions by 20% (example from Costa Rica)

Comparative analysis – which path to choose?

Strategies for greening the economy

- comparison: business as before or « green » economy?

Sustainable forestry management

Issues for discussion

- **Feasability:** data availability and reliability?
- **Usefulness** of such an analytical tool for green policy?
- Can **synergies** between development investments and environmentally sustainable approaches be strenghtened through use of DySAM???
- Are you interested in DySAM? – Apply to our **training** programme

Building the DySAM

- **Assessment of data quality**
- **Dynamic Macro SAM**
  - SAM 2005 + SNA time series → DySAM
- **Dynamic Sectoral SAM**
  - DySAM algorithm includes reality checks
- **Computation of multipliers**
  - Forward / backward / decompositions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FK
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iCr
iG
iTx
iSu
Cc
wCu
TC
mCo
wTr
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Terima Kasih!