

# Energy accounts from international databases

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Kristine E. Kolshus – [kre@ssb.no](mailto:kre@ssb.no)  
Statistics Norway – Division for energy and environmental statistics and accounts

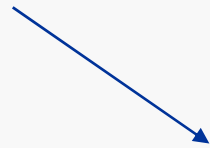
# Environmental accounts are built using good statistics, both environmental and economic statistics

Environmental Accounts



# Without good statistics, accounts can not be developed

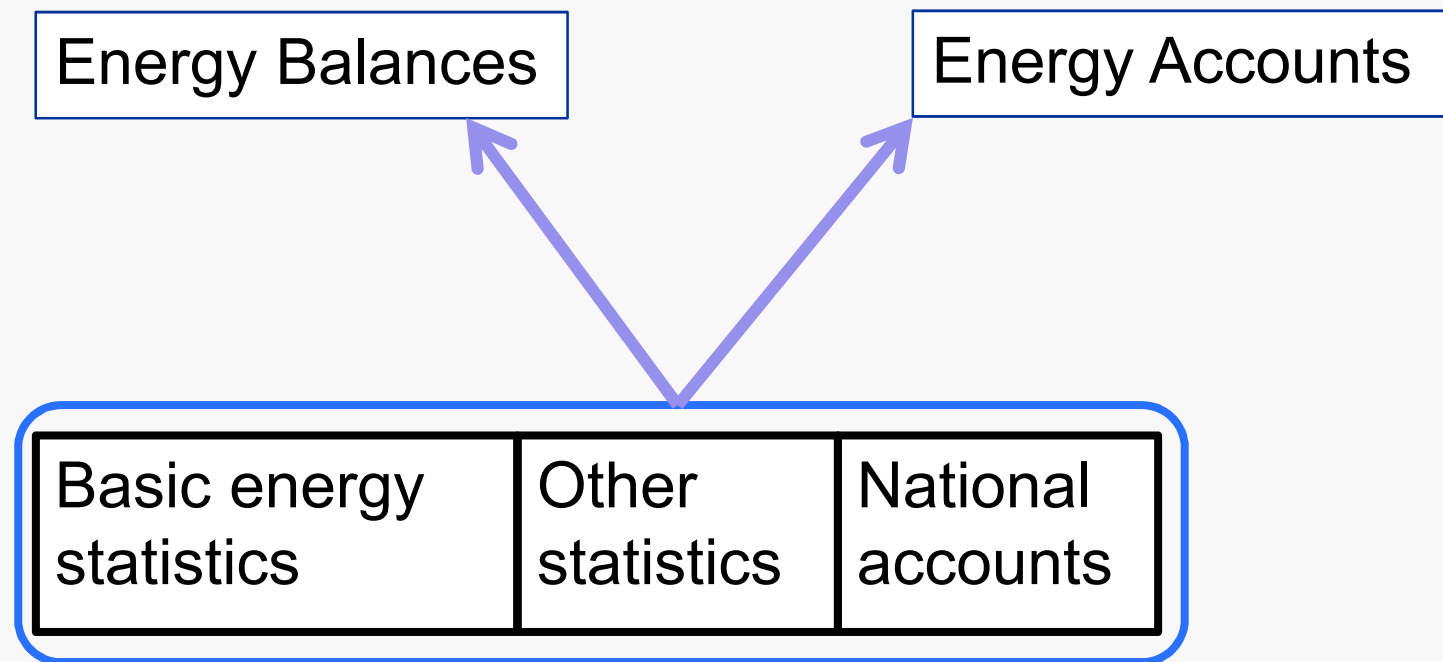
Environmental  
Accounts



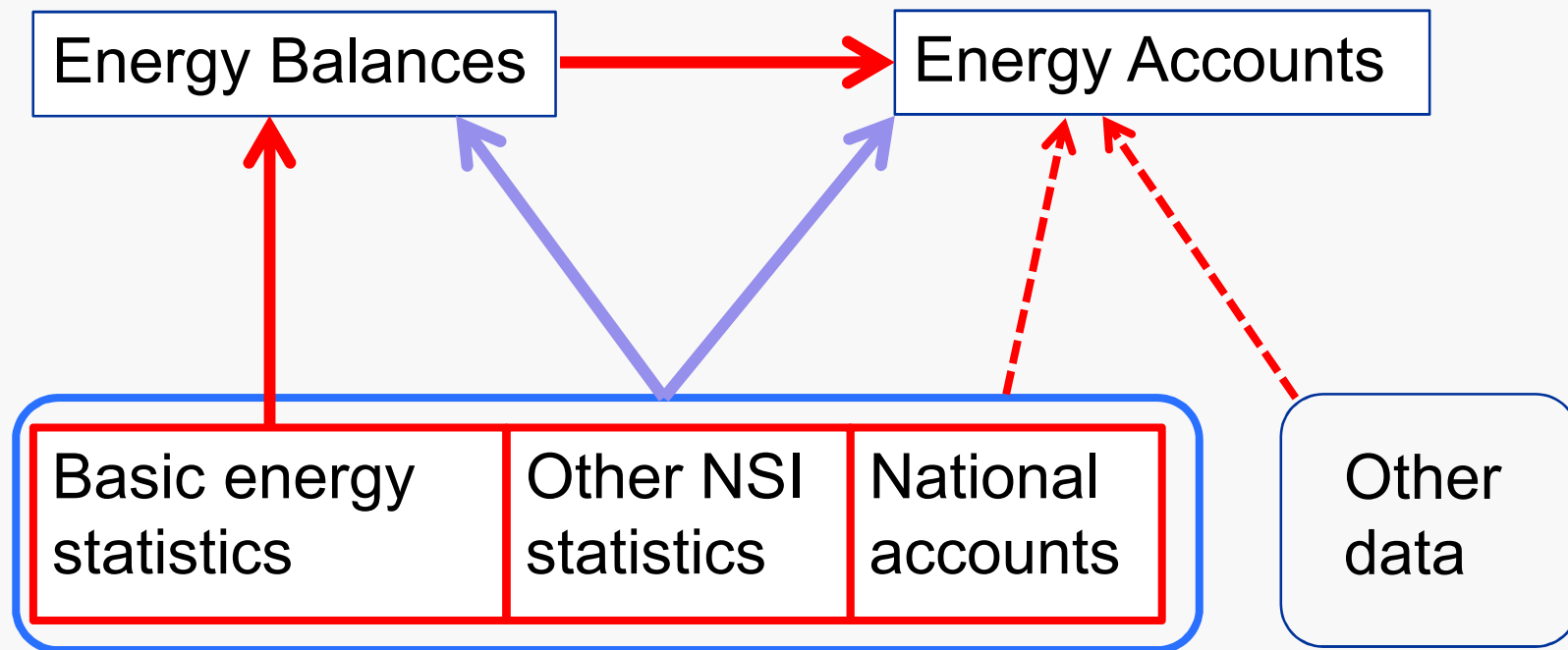
Environmental  
statistics

Economic  
statistics

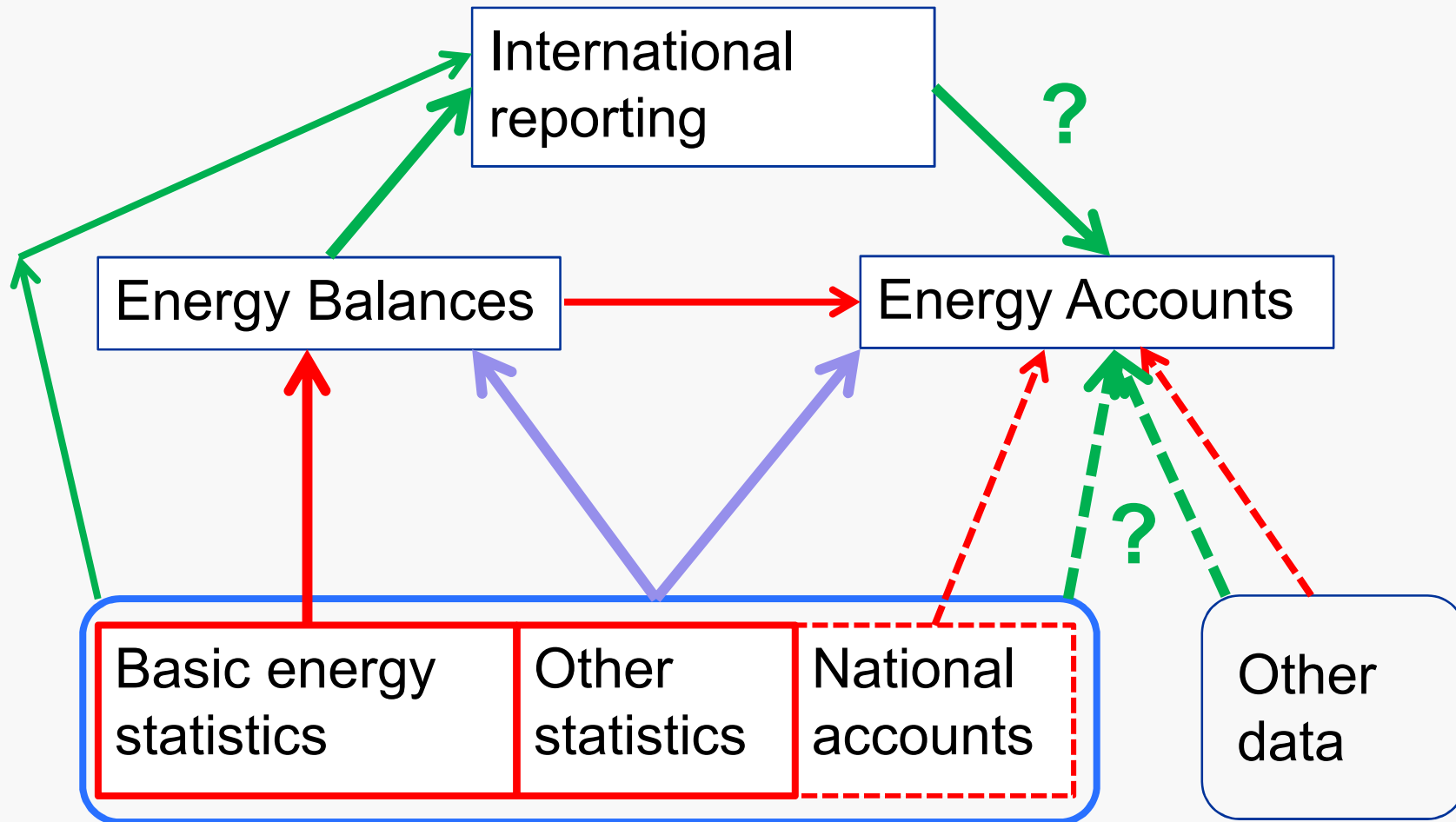
# Different compilation approaches for energy accounts (common databank)



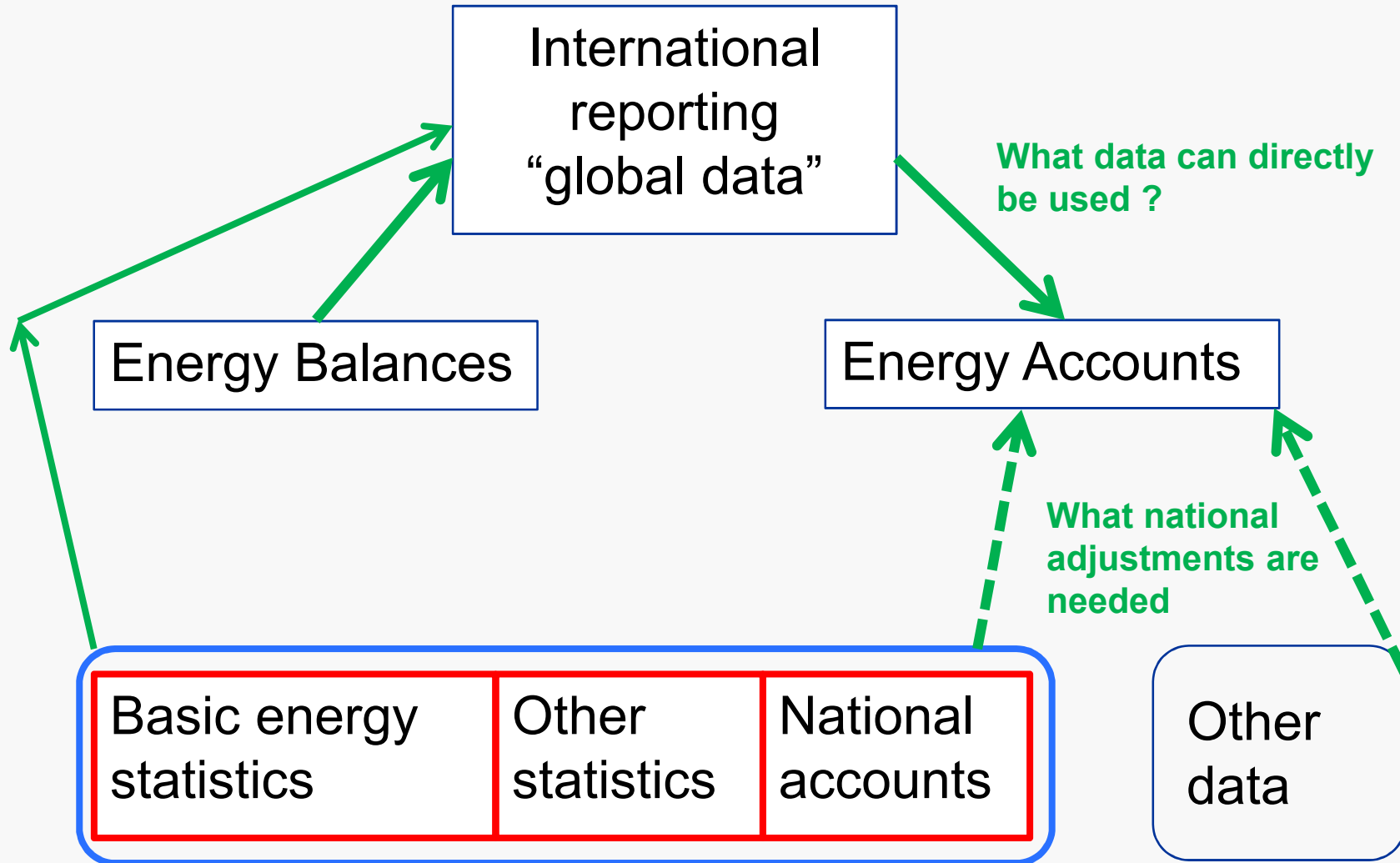
# Different compilation approaches for energy accounts (start energy balances)



# Different compilation approaches for energy accounts (start global datasets)



# Looking into use of global datasets



# Why use global datasets as a starting point for the compilation of energy accounts?

- Primary focus on countries at a early stage in implementing energy accounts.
- Implementation challenges:
  - Data spread around in many institutions – no coordination,
  - conflicting figures for the same thing,
  - no data sharing
- Global datasets: We have the same starting point
- Reuse what we have - no need of starting from scratch.



## Several relevant «global datasets»

**Examples** of international *reporting* of statistics/accounts that contain information about energy flows:

- Energy balances → IEA, UNSD
  - Emissions to air → UNFCCC
  - Trade statistics → OECD, WTO, IMF, UN
  - National accounts → OECD, UN, IMF
  - Private organizations
- 
- All countries are not included
  - Not always the NSIs that report the data
  - Global datasets not always similar as what is published nationally
  - Accessibility of data??

## Using IEA energy balances as a starting point for the compilation of energy accounts (physical flows)

- Many countries report energy balances to IEA
- A good starting point – lots of detailed information  
-> but huge variations between countries on level of detailed information  
  
-> however good overview over what kind of data is missing, i.e. where to put your effort in order to finalize the compilation of the energy accounts
- Need knowledge of the energy balances: which EB numbers are to be converted into which EA numbers?

# Only using the IEA energy balances are not enough to compile energy accounts

- Adjustments according to the residence principle is needed  
-> the amount of adjustments will vary among countries
- Are there global datasets with the data needed for these adjustments?  
-> in general no
- National specific information/statistics is necessary  
-> Eurostat experience  
-> Transport industries, export/import, industry breakdown

# Some provisional conclusions on the use of IEA datasets in compilations of EA

- A good starting point for many countries that already have developed basic energy statistics that is reported internationally.
- For many countries compiling energy accounts, this means that they do not need to start from scratch.
- For some countries/some regions, using global datasets could be a easy way to get started with the compilation of energy accounts.
- However – need to check quality and origin of the global datasets that are to be used as the source for the compilation of energy accounts

# Questions?

Kristine Kolshus

Senior adviser, Environmental accounts  
Division for energy and environmental statistics and accounts  
Statistics Norway

[kre@ssb.no](mailto:kre@ssb.no)