Activity data collection mechanism of the International Energy Agency for its CO_2 emissions database relevant highlights

Jeroen Meijer



Length of data series

IEA Energy data collection has started in 1974.

Annual time series of energy supply and demand, and of CO_2 emissions go back to 1971.



Data sources for non-OECD member countries:

- Questionnaires for UNECE member countries (identical to questionnaires sent to OECD countries)
- Other international organisations, e.g. United Nations, OLADE
- national statistical bodies

Data sources for non-OECD member countries (cont.):

- energy consultants and companies through direct contacts
- Publications
- Estimates

Information from non-OECD countries is sometimes obtained in a non-standard format. Usefulness of IEA statistical publications enhanced through **standardisation** of

- units
- fuel definitions
- sector definitions
- energy balance format



Data collection by the IEA is funded by its 24 member countries.

Many countries provide an in-kind contribution by collecting national energy statistics and delivering or publishing these in standard IEA format.

A comparison of IEA CO_2 calculations with national CO_2 calculations may lead to suggestions for improving CO_2 emission factors.



- Ongoing data collection is labour-intensive.
- It is helpful if inventory agencies deliver standardized information to the database compilers.
- It is difficult to get standardized, high-quality information for *all* countries of the world in the absence of a legal reporting obligation.
 Goodwill from countries can compensate this.



Lessons for the GHG emission factor database project (cont.):

- Duplication of effort is avoided where only one organisation creates a database with international coverage.