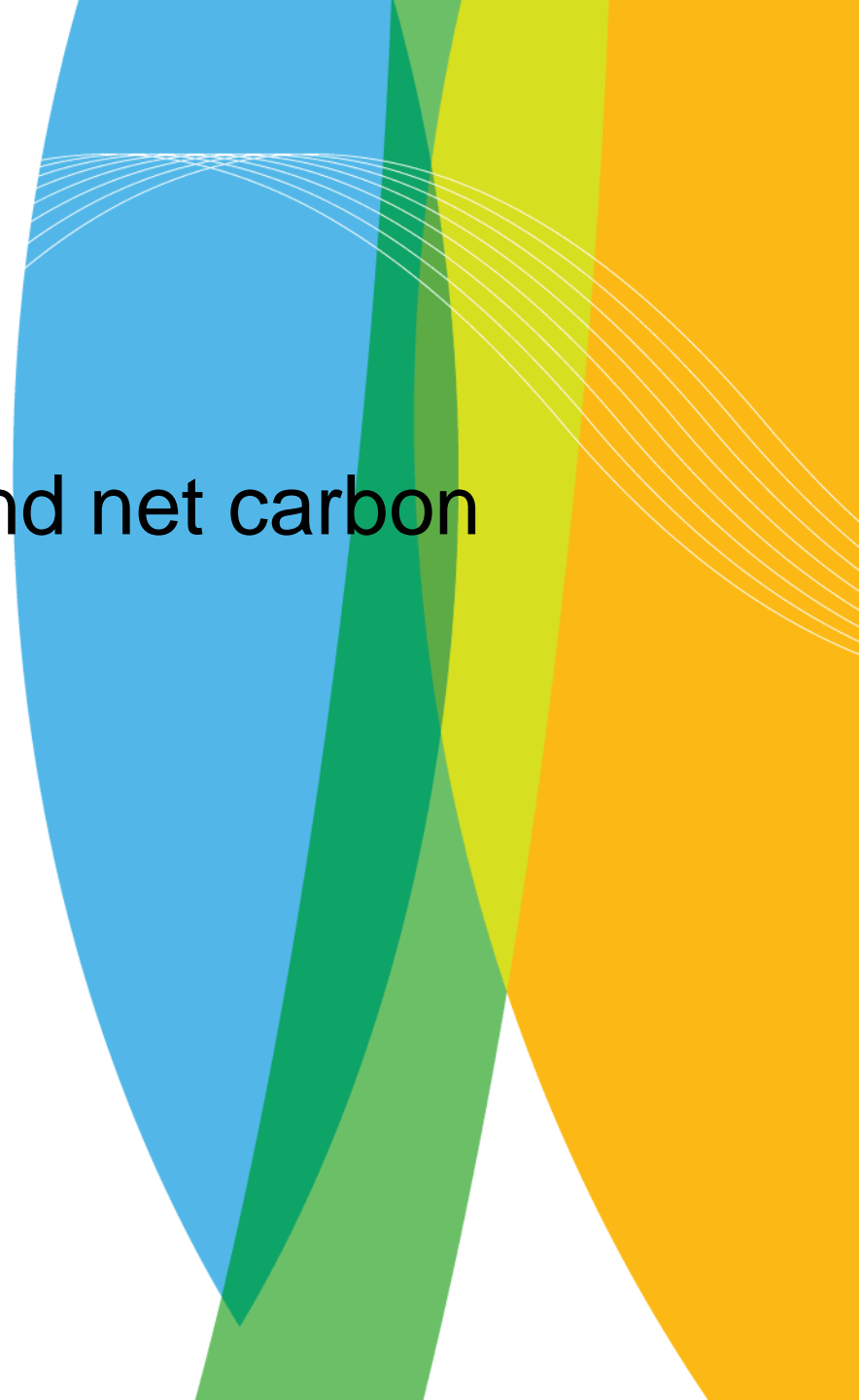




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FINNISH METEOROLOGICAL INSTITUTE

Impact in policy making and net carbon balance reporting

Tuula Aalto





The results of Snowcarbo project are disseminated to wide spectrum of end-users, most importantly including web-based open data access to general public.



Additionally, the results are targeted to national and international organizations and policy makers, who are responsible for
climate change investigations,
inventories of greenhouse gases
and
international agreements
and their implementation and reporting in Finland.

Ministry of Transport and Communications

Ministry of Environment

Statistics Finland

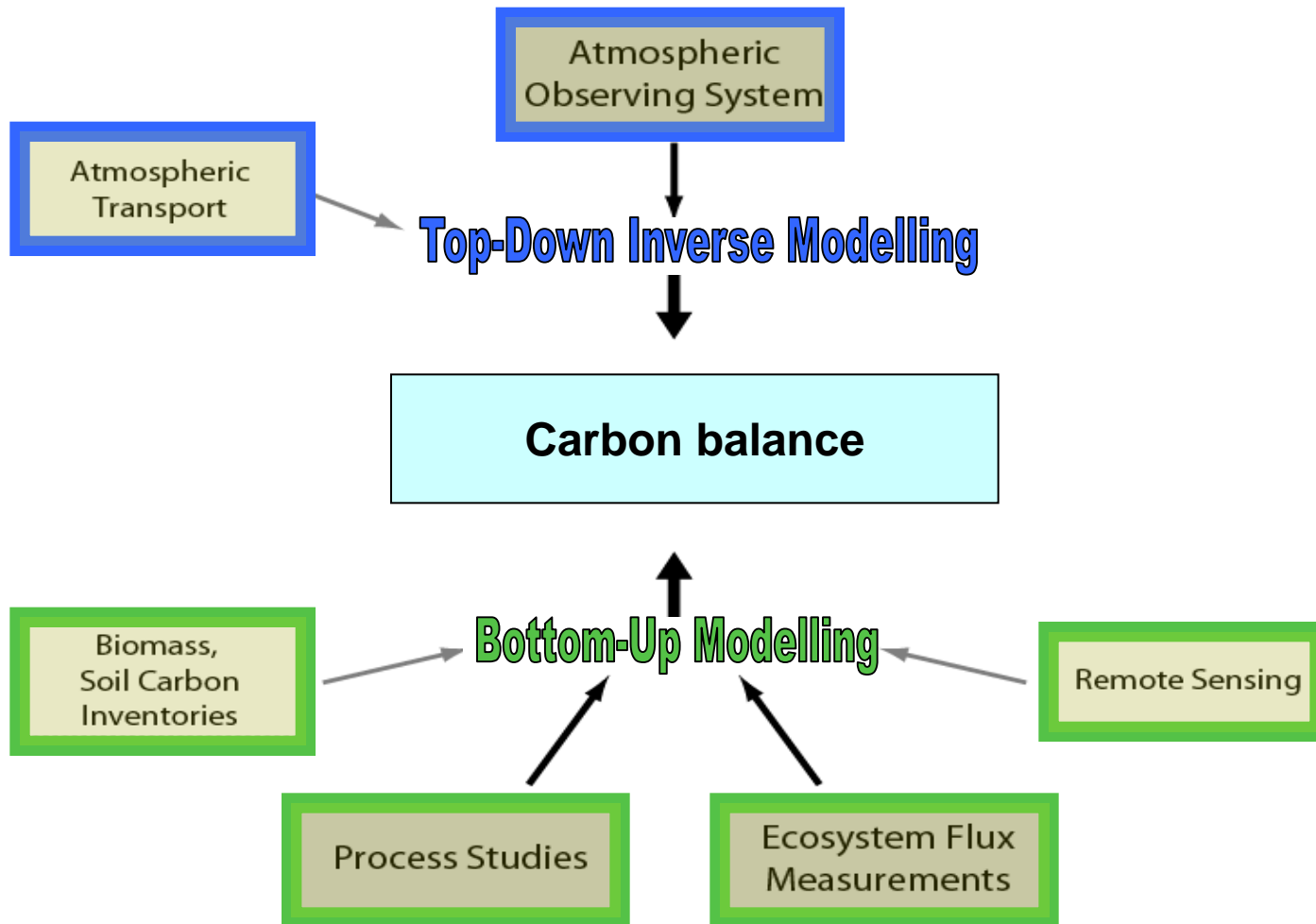
Finnish Forest Research Institute

Agrifood Research Finland

European Environment Agency

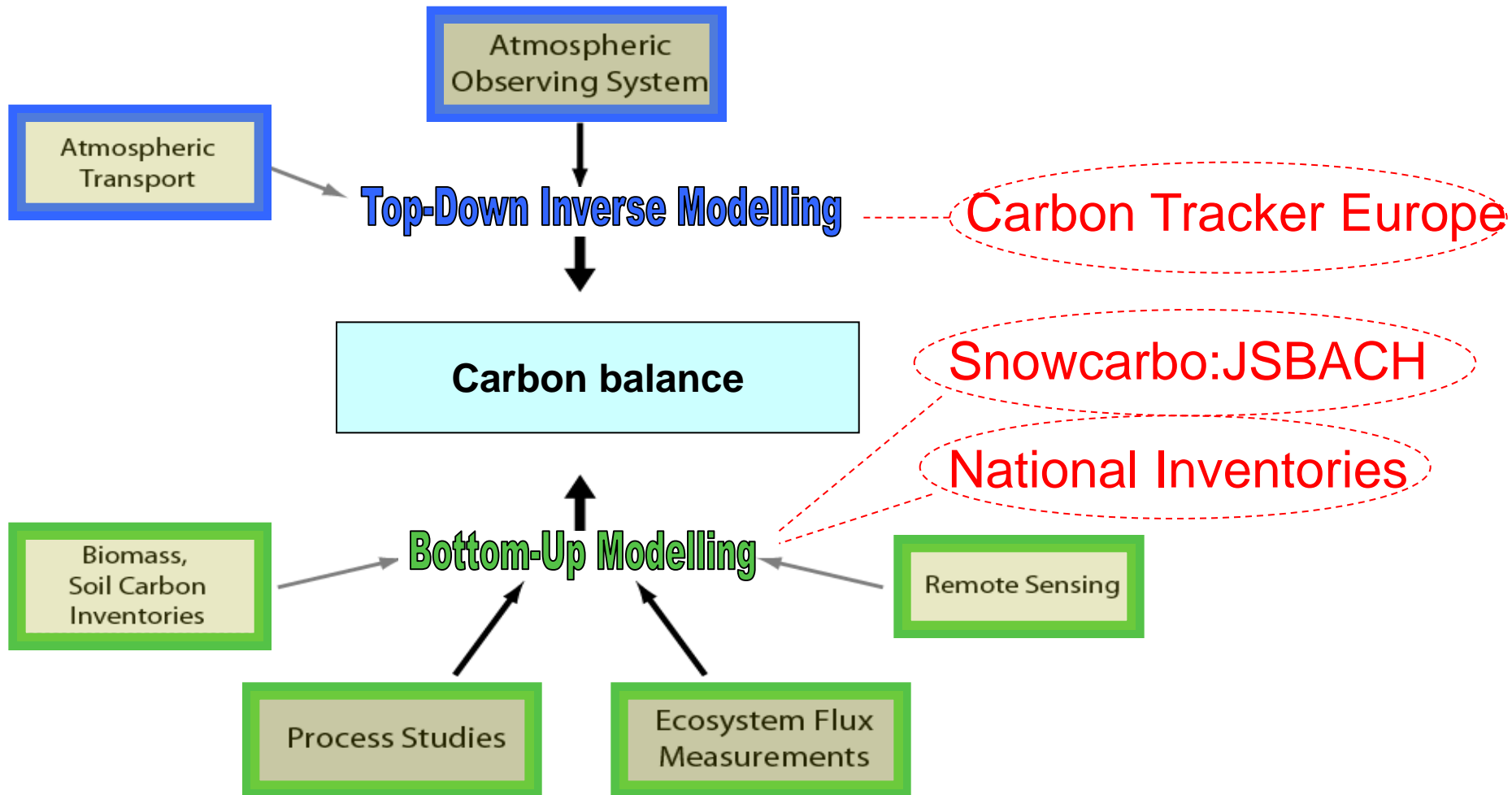


Methods to assess regional and global carbon sinks and sources





Methods to assess regional and global carbon sinks and sources





- The Finland national scale carbon balance results are on the same order of magnitude according to different top-down and bottom-up approaches
- However, methodologies are different and results are thus not fully comparable. Uncertainties of carbon balances are also large, especially when top-down method is applied to small regions.



Summary

- Snowcarbo results provide a new independent estimate of land carbon balance. The results can be utilised in further development and comparison work related to modelling techniques (e.g. different soil carbon modules).
- Following earlier point, Snowcarbo project results can be used to support and validate the reporting of the national inventory on greenhouse gases, reported to secretariat of United Nations Framework Convention on climate Change (UNFCCC) on regular basis. This information is used in future climate controlling treaties and policy making.
- Snowcarbo results and tools can be further utilised in regional and national assessments of climate change indicators and impacts, vulnerability, adaptation and mitigation