

Open Footprint Puzzle Process

Topic:
Energy

Presentation

Short-Description:

A holistic approach to collect, compare and combine footprint information

The **different assessment methods** like Life Cycle Analysis, ecological footprint, carbon footprint and water footprint have many similarities. They all use sectors, processes or products to model the economic value chain. They all distinguish different regions, time periods and stakeholders. They often use information from different sources in different formats, terminologies or languages. And they all use one or more indicators to count or calculate the direct and indirect (*grey*) resource flow in their systems.

To **integrate footprint-information** from different sources and to facilitate footprints for a wide range of regions and processes, a network process is proposed. This process is characterized by **A Common basic model** defined for transparent and extendable description of footprint information in a common terminology.

A Common Coordinate System for regions, periods, sectors, processes, products, units and indicators.

Resource-Profiles for all subsystems with vector of indicators (one or more of matter, energy, area, distance, work, money...).

Interfaces to existing footprinting methods and tools and economic data from BNP.

Background models with default resource-profiles for regions, sectors and time periods. Thus footprinting may concentrate to the system in the foreground changing background values only when necessary.

Generic Tools for the integration process.

In an **open network process** footprint information from different sources is collected, translated, compared and combined. At this the content stays unchanged and may be presented in **common and original terminology**. To avoid double counting and lacks a **consistent selection** of this data is created and used as the **base for calculations**.

Workshops to instruct network members, how to integrate small or big puzzle pieces into a footprint data collection.

Common servers accessible via WEB for sharing the same consistent environment of data and tools.

The development may **start** with existing methods, tools and data, adding **step by step** new puzzle pieces or bundling several steps into one project.