

Sustainability Support and Information Centre

The **SSIC** aims at **supporting and facilitating sustainable technological development and educational activities** by making use of the sustainability assessment toolbox



The **SSIC** has gathered partners with complementary expertise and is therefore the **central contact point** for **industry and technology developers** when it comes to questions regarding **sustainability analysis** in different sectors;

- from resource extraction to product design and recycling
- from urban mining to green chemistry
- from separation techniques to policy support
- from nanotechnology to metallurgy
- ...

Service delivery towards industry, technology developers and policy makers within and outside the **EIT Raw Materials**:

- **“Exploration and Raw Materials Resource Assessment”**: data management of raw material supplies, monitoring worldwide supply and demand evolutions, assessing criticality of raw materials, etc.
- **“Mining in Challenging Environments”**: environmental and economic cost benefit and risk assessments, identifying social hotspots in foreign supply chains, etc.
- **“Increased Resource Efficiency in Mineral and Metallurgical processes”**: material flow analysis (MFA), applying thermodynamic models and efficiency assessments on processes and supply chains, etc.
- **“Recycling and Value Chain Optimisation for End-of-Life (EoL) Products”**: recyclability benefits, waste management scenario’s through Life Cycle Assessment (LCA) and Life Cycle Costing (LCC), developing EoL criteria, calculating critical raw materials retained in the EU economy, etc.
- **“Substitution of Critical and Toxic Materials in Products and for Optimised Performance”**: toxicity assessments, upscaling and learning calculations, Environmentally Extended Input-Output Analysis (EEIOA)
- **“Design of Products and Services for the Circular Economy”**: economic analysis (of profitability, job creation, etc.) of new business models, ecodesign, developing support tools, stimulating industrial symbiosis systems through flow analysis, etc.