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Environmental assessment of emerging technologies ('ex ante LCA')

Theme: Processing. Activity: Upscaling.

- **Key elements of the idea:** We provide **decision-support** for the environmental improvement of emerging technologies:
 - Guiding the direction of technology development step by step
 - Taking into account possible learning curves, and future 'background' technologies, such as carbon neutral energy systems
- **Expected synergies and complementarities:** Technology groups (processing and substitution)
- **Outcomes:** Identification of preferable design pathways based on sustainability criteria, upscaling scenarios
- **Market & Business opportunities:** Avoid unwanted environmental burdens, avoid wrong investments and unwanted lock-ins, save costs, meet current and anticipate future regulatory hurdles, meet stakeholders expectations
- **Partners already identified:** We can support most Upscaling proposals and many others, where environmental/economic assessment of improvements is relevant
- **Wanted additional partners :** Technology and material developers