Willkommen Welcome Bienvenue



The WISER project: a digital ecosystem to streamline collaboration on GHG assessments

79th LCA Discussion Forum:

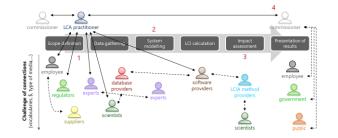
Collaboration within and beyond the LCA community: success stories, obstacles and solutions 18 November 2021, Zürich Switzerland

Didier Beloin-Saint-Pierre (dib@empa.ch)

A picture of collaboration in LCA Empa Materials Science and Technology commissioner LCA practitioner commissioner Presentation of System Impact LCI calculation Data gathering Scope definition ТĘ modelling results assessment ТĘ 3 type of media, connections employee employee software database providers providers LCIA method 5 experts Š regulators providers experts Challenge vocabularies, government scientists suppliers High pressure on LCA practitioner public scientists Missing connections \approx lack of consistency

Challenges and potential solutions





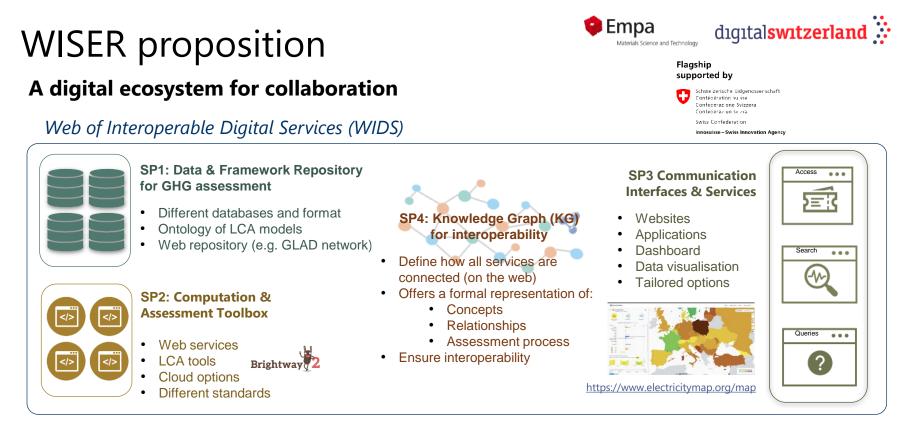
Dealing with:

Communication and transformation of knowledge

Look for solutions in the ICT sector

Different vocabularies/format		Comprehensive and common standard used by all
nconsistencies in models		Translation tools to connect all stakeholders
• Required various areas of expertise		Map the links between areas of expertise
Time/resource of assessments		Automate connections when possible
Knowledge & Trust Transport on of results		Use of the digital tools to provide knowledge
• Transparency/Traceability		Provide open source codes for analysis
	 Inconsistencies in models Required various areas of expertise Time/resource of assessments 	 Inconsistencies in models Required various areas of expertise Time/resource of assessments Presentation of results

18/11/2021



- Create connections between different actors & assessment tools
- Provide the "translation dictionary" between stakeholders
- Enable and promote <u>community-based</u> digital developments
- \rightarrow 1. Reaching more users & wider audience
- \rightarrow 2. Manage different contexts & trust
- \rightarrow 3. Lower the costs of access to knowledge

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WISER goals and strategy

[2022-2025] Innosuisse Flagship



Flagship supported by Contederation to see Confederation to see Confederation to sea Swiss Confederation Innosities-Swiss Innovation Agenq

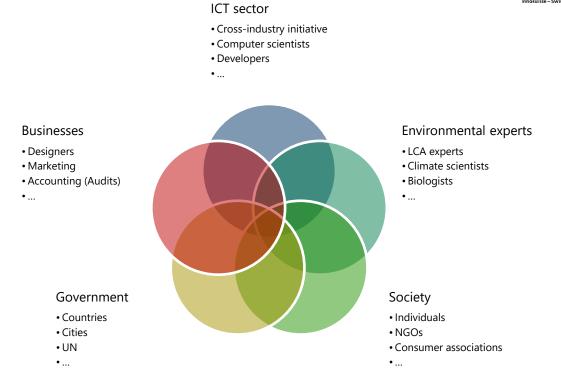
- Creation of an open, inclusive and transparent digital ecosystem for:
 - Up-to-date, context-specific and reliable data on GHG emissions
 - Tailored solutions to the different needs of public & private stakeholders
 - The initiation and evaluation of decarbonisation actions
- Key aspects of development:
 - Builds on existing solutions and automation options
 - Focus on proof-of-concept for manufacturing sites, cities & data centres
 - Identification of viable business model to maintain the WIDS services
 - Importance of transdisciplinary consortium

Building the WISER community





Schweizerische Eidgenossenschaft Confederazione Svizzera Confederazione Svizzera Confederazione Svizzera Swiss Confederation Innosuisse-Swiss Innovation Agency



Thank you for your attention For questions/ideas/comments: <u>dib@empa.ch</u>



WISER: Web of Interoperable Digital Services for Knowledge on Decarbonisation Pathways

