

Requirements of EPI systems and their fulfilment by ecoinvent



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41st Discussion Forum LCA

« Environmental Product Information and LCA »

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the ecoinvent database (today) ...



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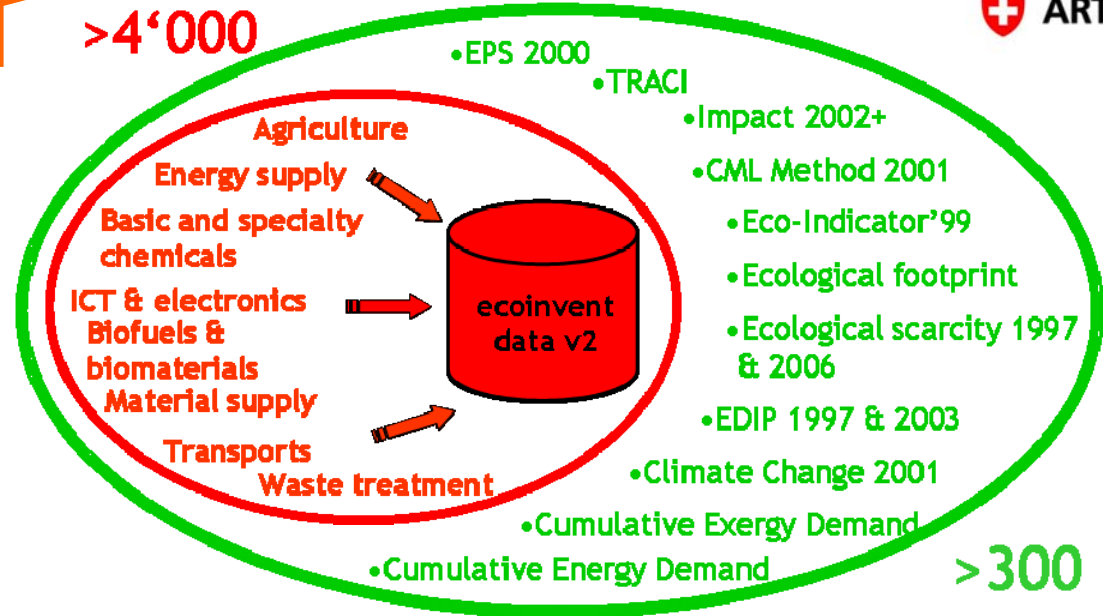
- Online database with **fully interlinked data**;
- a simultaneous calculation of about 4'000 product systems;
- Link to major LCIA methods;
- **Independent quality assurance mechanism**;
- **full access to unit process data and rolled-up data**;
- all Multi-output datasets with unallocated data provided;
- using an ISO-compatible format in XML technology:
 - easy data exchange
 - one format for LCI & LCIA
 - working, widely applied and accepted

consistent

reliable

transparent

>4'000



... (already now) more than a Swiss DB



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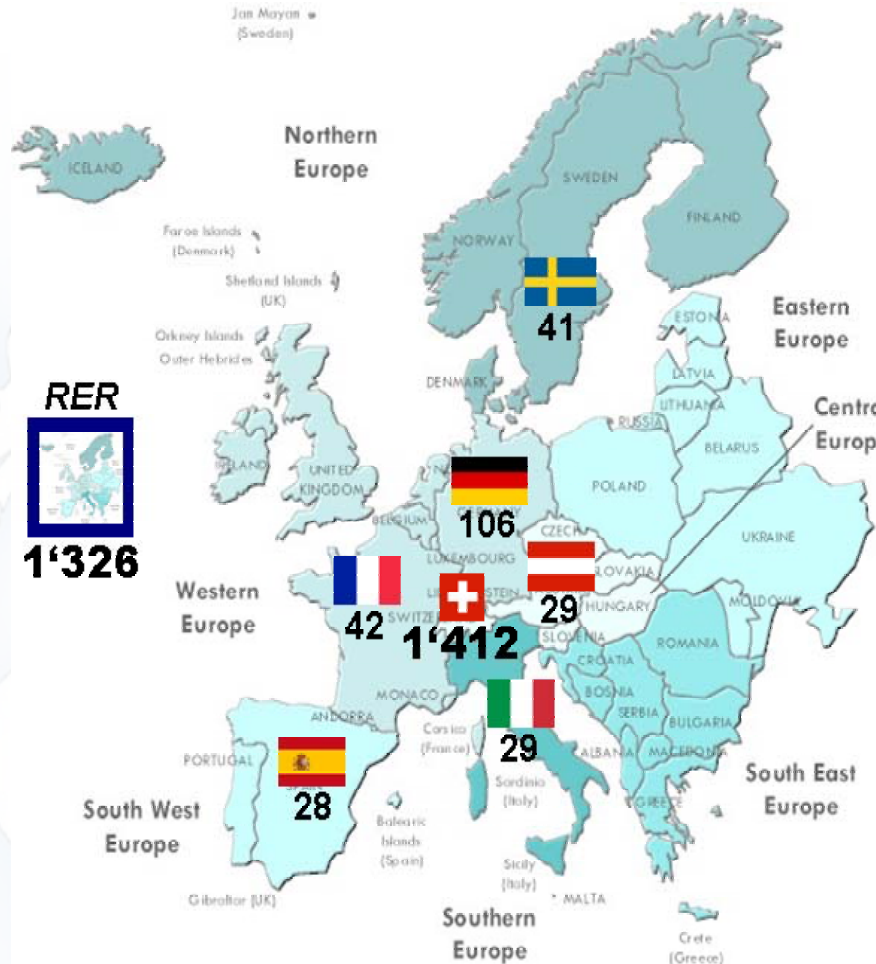


 **GLO**
400

RER

1'326


87



Requirements of EPI systems concerning input data ...



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- Examples of EPI systems:
 - Carbon footprinting
 - ISO 14'025 Type III label / Environmental Product Declaration (EPD)
- Common requirements:
 - Life Cycle Approach, including the complete supply chain
 - Relevant, verified and comparable data - also outside Europe
 - Common allocation rules across complete life-cycle



... fulfilment by theecoinvent database (tomorrow)



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- Database wide application of consistent allocation or system expansion/substitution criterias (i.e. average and marginal market modelling)
 - e.g. Carbon content allocation → „Carbon Footprinting“
- More detail, more technologies, more completeness
 - International editorial board and broader supplier base
 - Parameterization (geography, time, technologies, markets)
 - New sectors (e.g. food, water) & new areas (e.g. India) covered
 - Well above 10'000 datasets in next version
- Highest quality standards, in terms of transparent, well-documented, consistent, complete and validated data





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