LCA and construction materials

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Who we are?
What we do?
Why we use LCA?
Lessons learned
Recommendations

Izodom – family owned SME, since 1990 creates house building technologies and manufacturers „bricks”. 19.000 reference buildings in 43 countries. UN „Caring for Climate” signatory.
Our product – a brick

‟Completed/final product” - Built by a construction company ex in Spain

80% of emissions come from the life of „complete” product – a house. As per the LCA our product’s influence on environment and human health is the biggest during its lifecycle and demolition, not just during manufacturing, its still 56% lower, than in traditional houses.
Lessons learned:
- LCA shows that products have biggest env. impact during lifespan,
- LCA is difficult to implement for some industries, ["complete product" „intendent use in normal conditions"],
- lack of quality data from manufacturers,
- LCA hesitant industry leaders,
- LCA promotes green innovations,
- local manufacturing promoted,
- emphasizes need of green manufacturing,
- promotes academia-industry cooperation,

Recommendations:
- LCA/LCC the best tool for product comparison,
- regional green procurement – lead by example,
- LCA promotes local and energy/resources efficient manufacturing,
- scientific programmes at local universities for calculations of the LCA for local manufacturers,
- LCA can be utilised as protection against non-EU suppliers.
Thank you!
Jakub Wojcik Izodom

Questions welcome

www.interregeurope.eu/LCA4Regions