Greening your building project

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21 May 2012

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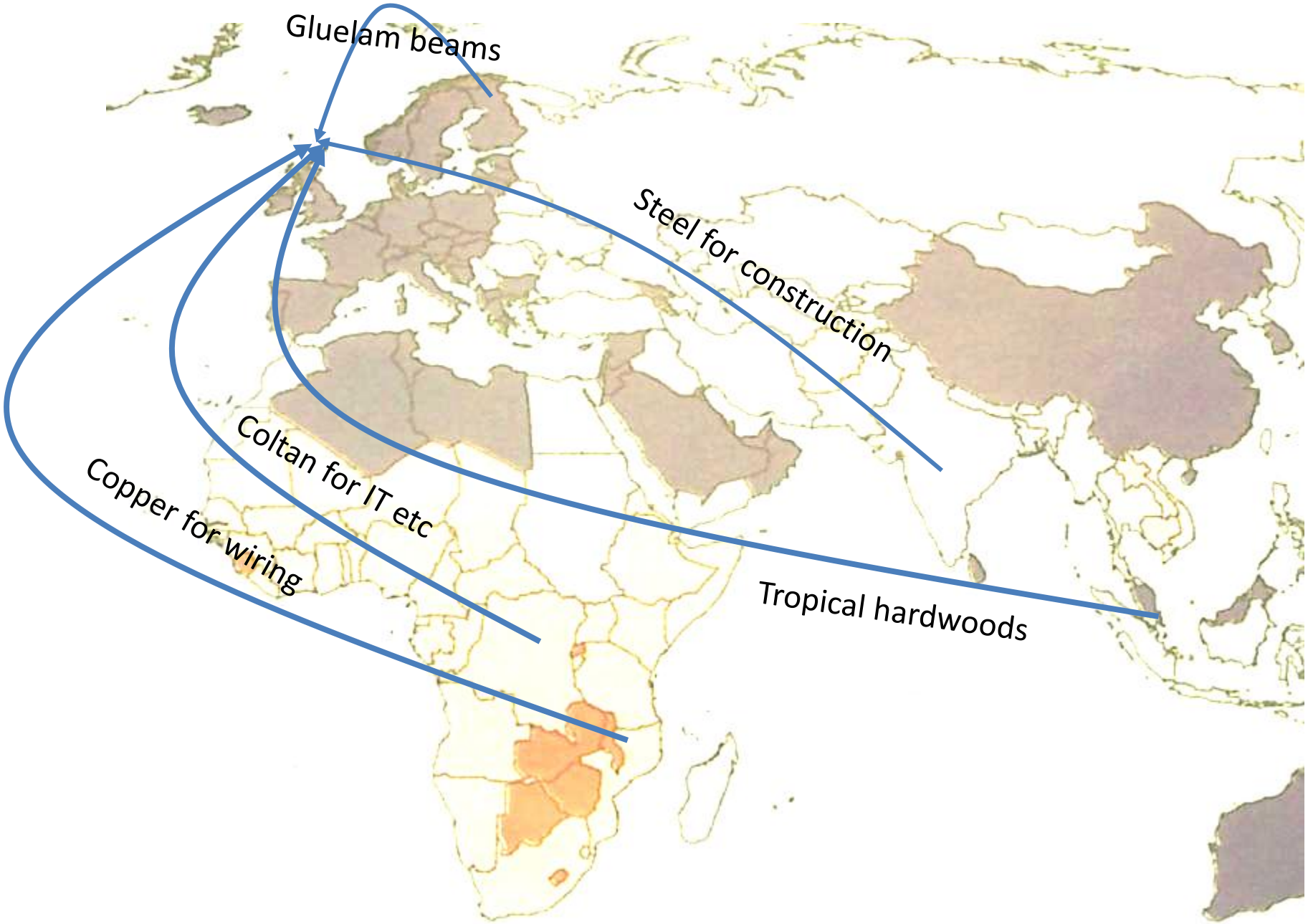
Your new building has a world-wide impact



Some of the impacts

- **On people**
  - Open cast mines displacing tribal people
  - Local employment/income
  - Pollution impact on health

- **On land and wildlife and water**
  - Land used by your building itself
  - Source of construction materials
    - Iron ore mines
    - Gravel quarries
    - Forest extraction
    - Limestone Quarries

- **CO_2 emissions - on climate change**
  - CO_2 making steel, concrete etc
  - CO_2 retained in timber used
  - CO_2 in transport of materials

Reducing negative impacts (1)

- **Re-think the project!**
  - Do you really need to do it?
  - Refurbish instead
  - Share buildings

- **Improve Design**
  - Make building smaller/less complex
  - Design smaller beams etc
  - Add biodiversity to buildings - bat and swift boxes etc

Swift brick

Reducing negative impacts (2)

- **Use Materials with less impact**
  - Less energy intensive
  - Certify low impacts e.g. FSC etc
  - Wood not steel or concrete
  - Local sourcing - less transport
  - Use recycled or second hand

USE TIMBER

- A tonne of wood substituting for steel or concrete reduces CO_2 emissions by 1.1 tonnes.
- Plus there is 0.9 tonnes of CO_2 stored in wood.
- Hence each tonne of wood saves 2 tonnes of CO_2emissions.

- **Ensure good practice by your contractor**
  - Minimise site waste - re-use where possible
  - Minimise water use
  - Protect biodiversity on site
  - Manage construction traffic

- **Life Cycle Analysis**