

NATURALLY HIGH  
PERFORMANCE  
INSULATION



# Policy suggestions for biobased construction materials

Key findings of the exploitation strategy

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# Exploitation strategy

Includes:

- Identification of barriers to exploitation
- Studying the market
- Interviews with end users



- Review of online literature
- Face to face interviews



# Exploitation strategy

People interviewed:

- Sustainable building architects
- Professionals in building sector innovation
- Constructors
- Dutch timberman association

# Findings

**There is the need to increase the policy support to biobased construction materials!**

Key Suggestions:



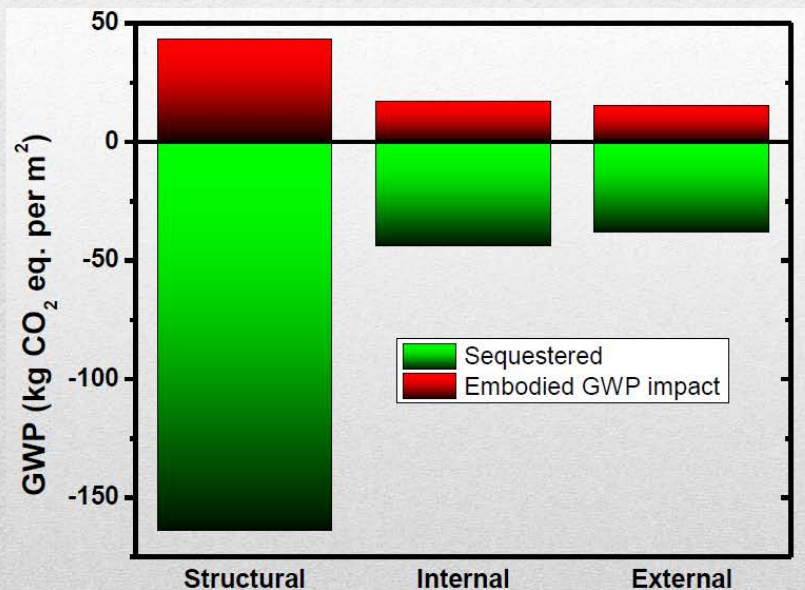
- **Efficient carbon tax:**  
environmentally friendly materials should have a lower tax burden (or high emissions material should have higher taxes)



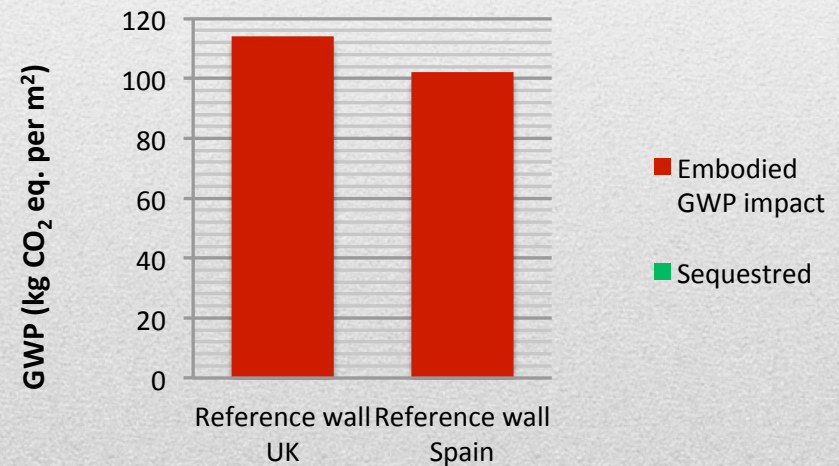
# Findings, key suggestions (continued)

- **Formally recognise carbon storage** effect of biobased materials

ISOBIO constructions:



Traditional constructions:

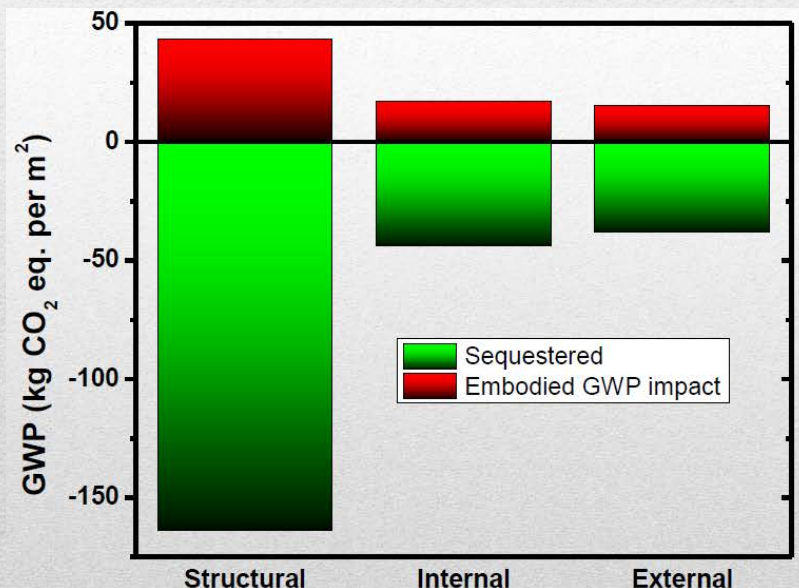


Data from the ISOBIO LCA

# Findings, key suggestions (continued)

- **Formally recognise carbon storage** effect of biobased materials

ISOBIO constructions:



Traditional constructions:

UK:

GWP = 114 Kg CO<sub>2</sub> eq.

Sequestered carbon = 0

Spain:

GWP = 102 Kg CO<sub>2</sub> eq.

Sequestered carbon = 0

Data from the ISOBIO LCA



# Findings, key suggestions (continued)

- Biofuels are favoured over biobased materials (no level play field)



- Also in construcion Regulation is still focussing mainly on energy reduction/energy efficiency, not on the carbon footprint of building materials

# Findings, key suggestions (continued)

- Traditional construction sector applies a lot of pressure to maintain the status quo
- Producers of biobased construction materials do not have the resources for lobbying



- Sharpen public procurement for biobased products
- Information campaign about biobased products



# Findings, key suggestions (continued)

- **Inclusion of biobased** products and processes in **standardisation** and **certification** procedures

## Project Examples:

- **NF DTU 26.1** "Mortar Coating Works" gives the rules for the preparation and execution of thick mortar coatings. Bio aggregates not mentioned
- **EN13501-1:2007** standard for fire classification: materials containing more than 1% of biobased resources are automatically classified as Euroclass B

# Conclusions

- ❑ Action has to be taken at many levels
  - High level policy → level play field, carbon tax
  - Building regulations
  - Standards
  - Awareness campaigns
  
- ❑ Thanks!