



STABILAME
ARCHITECTURE LOVES WOOD

WOOD CONSTRUCTION

Our perception to :

“Bioeconomy and Climate Action in rural areas”





STABILAME

ARCHITECTURE LOVES WOOD

- Belgian family owned company
strong human
& environmental values
- Wood Buildings producer
 - => houses
 - => public buildings
 - => exceptional buildings

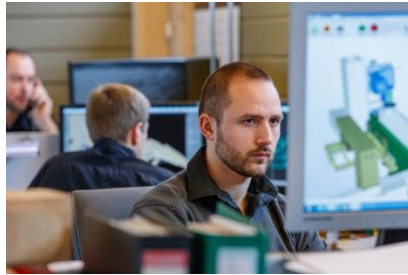




STABILAME

ARCHITECTURE LOVES WOOD

- Industrial production + design office
- 130 workers on 30,000 sq m production site
- High-tech wood production



- Craftman's way of thinking

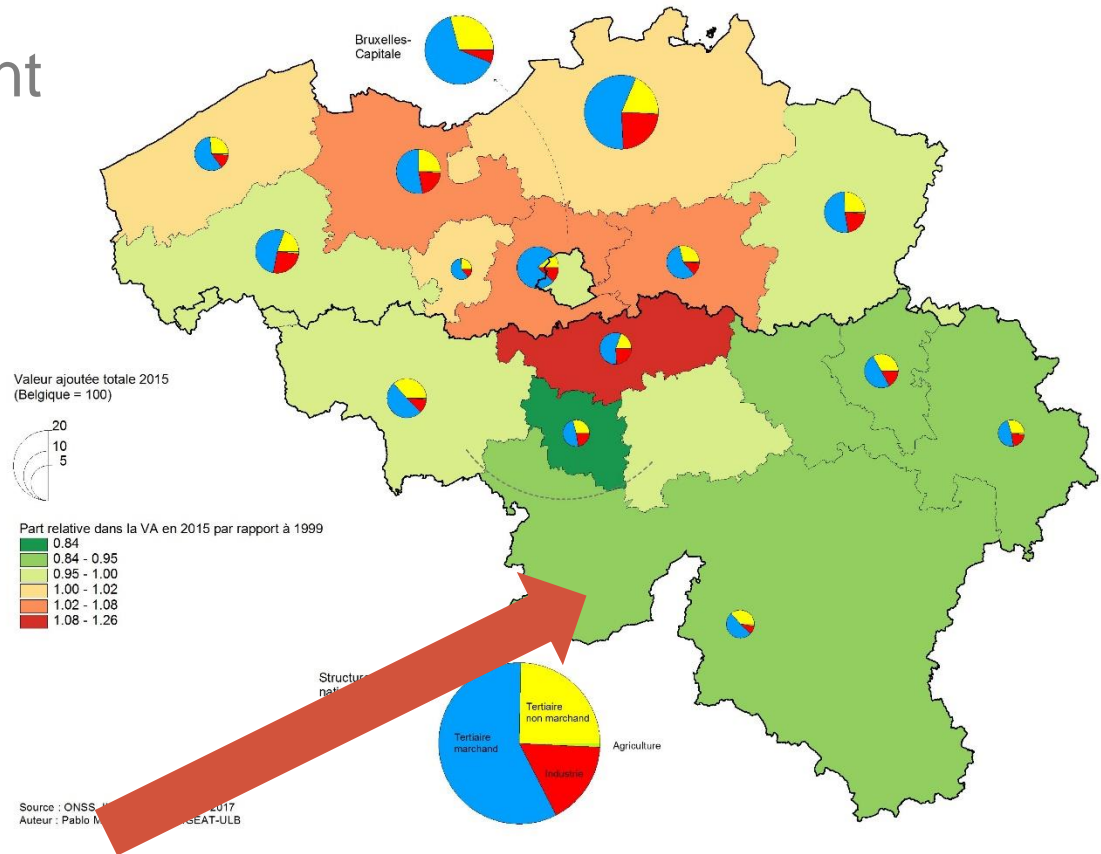




STABILAME

ARCHITECTURE LOVES WOOD

- Based in Belgium, South - next to French border
- Rural area
- High unemployment





STABILAME
ARCHITECTURE LOVES WOOD

WOOD

**Building system
to lower climate change**



STABILAME
ARCHITECTURE LOVES WOOD

WOOD = Renewable & Natural



PEFC™



FSC





STABILAME
ARCHITECTURE LOVES WOOD

INNOVATIONS

In order to

- Enhance local wood
- Lower climate change



STABILAME
ARCHITECTURE LOVES WOOD

Before



Now



Vancouver
18 storeys



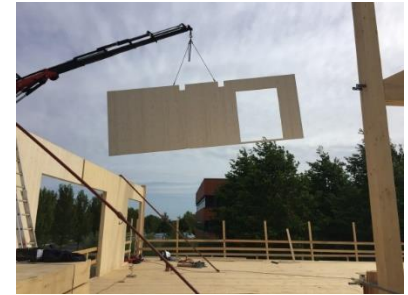
Bordeaux
2 x
18 storeys



STABILAME
ARCHITECTURE LOVES WOOD

Innovations in local wood: CLT

4 innovations: nailed, glued, wood nails, curved



⇒ Less transport

⇒ Work for the bioeconomy (wood industry) in rural areas

⇒ Better the knowledge and value of forest

Innovations in woodproduction

Raw material management + Digitalization

⇒ Optimize raw material (less material loss)

⇒ re-use of wastes:

- finger-joint in order to use short planks to make long planks
- Final waste transformed into briquets (wood fuel)
- + Prefabrication (no waste on site)
- = zero waste management





STABILAME
ARCHITECTURE LOVES WOOD

Keys & restrictions to succes in wood construction

Keys

- ⇒ **Digitalisation** : profitability / Knowledge transformation
- ⇒ **consumer awareness**: environment + local buying
- ⇒ **LCA and green labels**: (biosourced label, cradle to cradle, ...)

Restrictions

- ⇒ **Public authorities**: lack of support
- ⇒ **European legislation**: difficult to promote a local product
- ⇒ **Europe / Public authorities**: no policy to prevent purchases of wood (export) and to favor local players



STABILAME
ARCHITECTURE LOVES WOOD

Our experience in FEADER and FEDER support

FEADER: no experience

FEDER:

contests for innovative products

⇒ **1 prize won:** innovation in elements in biosourced products

4.000,00 € with BEP (local economic public structure)

⇒ **1 prize won:** innovation in local wood in order to lower transports and enhance local knowledge

5.000,00 € with OEWB (local economic office for wood)





STABILAME
ARCHITECTURE LOVES WOOD

To conclude

- re-industrialize europe (promote digitalization)
- promote bio-based products to diversify rural economy
- Promote wood building to lower climate change through constructions

If you think:

« Economy + Technology + Environment
Let's build in Wood!





STABILAME
ARCHITECTURE LOVES WOOD

Thank you for your attention