Woodema – Trnava 2012

Behavior of a Wooden passive building in an earthquake area over time. Durability aspects

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Passive wooden building behavior

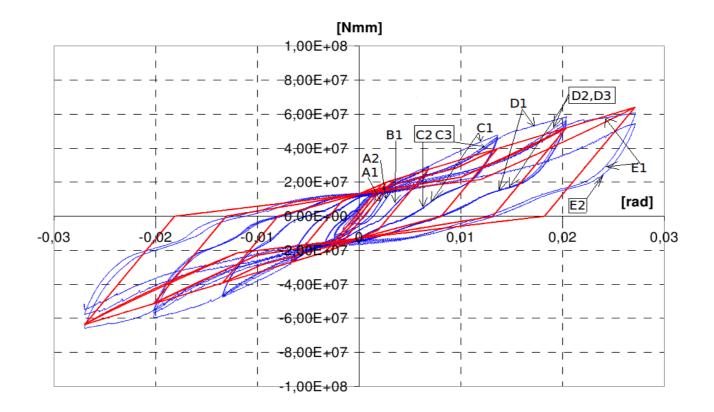
- Earthquake area
- Fire
- Lab tests
- Thermal tests

- Common perception about the stability and durability of a wooden house
- Earthquakes
- Insurances

- Wood is not concrete
- We need historical statistics
- Physical
- Chemical
- Mechanical
- OVER TIME
- Different kinds of woods

- Mathematical model of behavior
- Open Source Tools: Code Aster by EDF

Model needs to repeat lab behavior



- Passive behavior after an earthquake
- And what about after 5-10-20 years
- And after fire?

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Q&A

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