Wooden buildings in Slovenia
Slovenian public opinion on Wooden Buildings

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Facts about wooden buildings in Slovenia
Statistical Portrait

Domestic housing represents more than 50% Slovenia’s constructing industry.

Domestic housing:
- brick houses – 56%
- concrete and mixed constructions – 16%
- wooden buildings – 10%
- use of other materials – 28%

Slovenia is the 3rd most wooded country in Europe.

<table>
<thead>
<tr>
<th>Total area (1000 km²)</th>
<th>Population (mio)</th>
<th>Wood %</th>
<th>Building units number/year</th>
<th>Wood building – houses production (number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>2</td>
<td>52</td>
<td>4.173</td>
<td>778</td>
</tr>
</tbody>
</table>

sold in Slovenia 50%

export EU (A, D, I)
Hypothesis

The main reason for today’s low occurrence of prefabricated wooden buildings is the lack of public knowledge.

The aim: Public opinion on wooden buildings

Methodology:
Data collection method: CATI- computer associated telephone interviewing
Sample size: n= 628
Interviewed population: from 25 to 40 years
Weight: reprezentative by gender, age and education
### Questionaire

<table>
<thead>
<tr>
<th>1</th>
<th>If you were to build a house, what would you prefer a traditional brick-concrete one or a wooden-prefabricated house?</th>
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</thead>
<tbody>
<tr>
<td>1a.</td>
<td>Why wouldn't you decide for wood building?</td>
</tr>
<tr>
<td>2</td>
<td>Are you familiar with the advantages of wooden buildings?</td>
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<tr>
<td>2a.</td>
<td>What are the advantages of wooden buildings?</td>
</tr>
<tr>
<td>3</td>
<td>If you were looking to increase your living space, would you consider a timer-framed penthouse?</td>
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<tr>
<td>3b.</td>
<td>Why wouldn't you consider for a timer-framed penthouse?</td>
</tr>
<tr>
<td>4</td>
<td>Statements about wooden building, ecology and healthy living space:</td>
</tr>
<tr>
<td></td>
<td>- Government should increase spending for ecological building.</td>
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<td></td>
<td>- Wood is suitable material for external walls, floor elements, windows, stair elements,…</td>
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<td></td>
<td>- Timber is suitable material for constructions.</td>
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<td></td>
<td>- Ecological building is expensive.</td>
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<td></td>
<td>- Wooden building enable healthier living than traditional brick-concrete building.</td>
</tr>
<tr>
<td>5</td>
<td>Are you familiar with passive house (ultra-low energy building)?</td>
</tr>
<tr>
<td>5a.</td>
<td>What are the advantages of passive house?</td>
</tr>
</tbody>
</table>
If you would build a house, what would you prefer a traditional brick-concrete one or wood-prefabricated house?

- Wood pre-fab house: 34%
- Brick-concrete building: 60%
- Wouldn't build a house: 2%
- Don't know: 4%
Why do consumers not build more wooden houses?

- Trust in traditional building: 16%
- Not familiar with advantages: 11%
- Price of building: 10%
- Durability: 10%
- No trust: 8%
- Habit: 7%
- Strength: 6%
- Safety: 6%
- Quality: 6%
- Don’t know: 14%
- Other: 31%
Are you familiar with the advantages of wooden buildings?

Don’t know: 1%

Yes: 47%

No: 52%

What are the advantages of wooden buildings?

- Short building time: 52%
- Ecological, natural: 46%
- Insulation: 34%
- Price of building: 22%
- Energy safety: 19%
- Don’t know: 2%
- Other: 31%
Timber frame penthouse extension

If you were looking to increase your living space, would you consider a timber framed penthouse?

- Yes, would decide: 13%
- Maybe would decide: 10%
- No: 43%
- Not living in house: 35%

Example: Wien
Why wouldn't you opt for a timer-framed penthouse extension?

- Design (Would not combine traditional and wooden building): 43%
- Trust in traditional building: 7%
- Too few information: 6%
- No need for building: 12%
- Don't know: 10%
- Other: 33%

Reasons against timber framed penthouse extensions
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Ecology and healthy living

Statements about wooden building, ecology and healthy living

- Government should increase spendings for ecological building:
  - Fully agree: 70%
  - Agree: 20%
  - Not at all: 8%
  - Don't know: 1%

- Wood is suitable for ext. walls, floor elements, windows, doors...
  - Fully agree: 63%
  - Agree: 24%
  - Not at all: 9%
  - Don't know: 3%

- Wood is suitable material for constructions
  - Fully agree: 44%
  - Agree: 30%
  - Not at all: 18%
  - Don’t know: 6%

- Building ecological is expensive
  - Fully agree: 38%
  - Agree: 24%
  - Not at all: 24%
  - Don’t know: 5%

- Wooden building enable healthier living as brick-concrete one
  - Fully agree: 32%
  - Agree: 30%
  - Not at all: 28%
  - Don’t know: 5%
Passive house (PH)

Are you familiar with Ultra-low energy house - PH?

- Yes: 20%
- No: 79%
- Don't know: 1%

What are the advantages of PH in your option?

- Energy saving: 52%
- Ecological, natural: 24%
- Don't know: 29%
- Other: 25%
Conclusions:

The current public opinion about wooden building in Slovenia is that the majority would mostly choose a brick-concrete building. It is shown that the main reason for low rating of the prefabricated houses is the lack of knowledge.

Trend for increasing healthy living, the use of natural resources and materials and energy saving buildings have been identified.

In next 5 years there is likely to be a shortage of single-family houses. We can predict marked increase in the use of wood construction and increasing need for renovation.