



Useful insights and materials to help you renovate your buildings

Complete renovation of buildings, industrialisation of building renovation, consultation for investors

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14 industrial ecosystems

Example of a gateway route for construction

<https://ec.europa.eu/docsroom/documents/53854>

SI context

- ~2/3 of the building stock in Slovenia consists of single-family houses.
- A vibrant culture of self-build, dispersed settlement.
- A strong wooden house industry.
- High proportion of private owners.
- ...

Involving people in renovation projects

- [A user-centred approach helps occupants and building owners across Europe save energy](#)

<https://www.youtube.com/watch?v=xn72LXjqsMM>

Circulation of substances in building renovation

- Recycled stone wool and aerated concrete
- Combining a DIY and industrial approach

<https://www.drive0.eu/>

Prefabricated building renovations



Industrialisation of renovations



EUTRIP

<https://iri.uni-lj.si/novice/industrializacija-energetske-prenove-z-lesenimi-paneli-v-praksi/>

<https://infinitebuildingrenovation.eu/news/from-the-slovenian-woods-to-infinite>





Promoting building renovation

- Platform to promote building renovation
- <https://re-modulees.five.es/>

Development funds

- National e.g.
 - <https://www.energetika-portal.si/javne-objave/>
 - <https://www.spiritslovenia.si/razpis/421>
 - <https://www.trajnostnaenergija.si/Trajnostna-energija/Varcujte/Razpisi-s-podrocja-trajnostne-energetike/Domaci-razpisi>
 - <https://www.ekosklad.si/gospodarstvo/pridobite-spodbudo/objava/javni-poziv-106fs-po23-nepovratne-financne-spodbude-za-nove-nalozbe-v-ucinkovito-rabo-energije-in-obnovljive-vire-energije-za-poslovne-subjekte>
- [Horizon Europe](#) is the flagship programme for research and innovation, with a budget of €95.5 billion. It addresses climate change and helps achieve the [United Nations Sustainable Development](#) Goals. [CIENA](#) is the implementing agency and also manages the [Life](#) and [CEF](#) programmes.
- For-profit organisations are eligible for up to 70% co-funding in Horizon Europe projects, non-profit organisations up to 100%.
- There are currently 415 open calls for proposals, 35 are still in preparation. Find out more [here](#).

Development funds - Horizon Europe example

Material and energy efficiency

- The products require embodied energy.
- The climate does not care where emissions come from.

Advice to large investors

- Introducing building information modelling processes from conceptual design, implementation and management.
- Sustainable certification e.g. **DGNB Int. Consultant**

Conclusions

- Successful implementation of X requires the involvement of people - a people-centred development approach.
- Circularity at the material - component - system level.
- Circularity is a local business - transport.
- DIY - a self-build culture that can work hand in hand with an industrial approach.
- Biobased materials (wood) are essential (sun).
- 100% local renewable energy.
- Trans-sectoral and disciplinary co-operation is essential.
- **Cutting some sectors should be planned and controlled!**



IRI UL

Thank you

More at <https://iri.uni-lj.si/projekti/>

