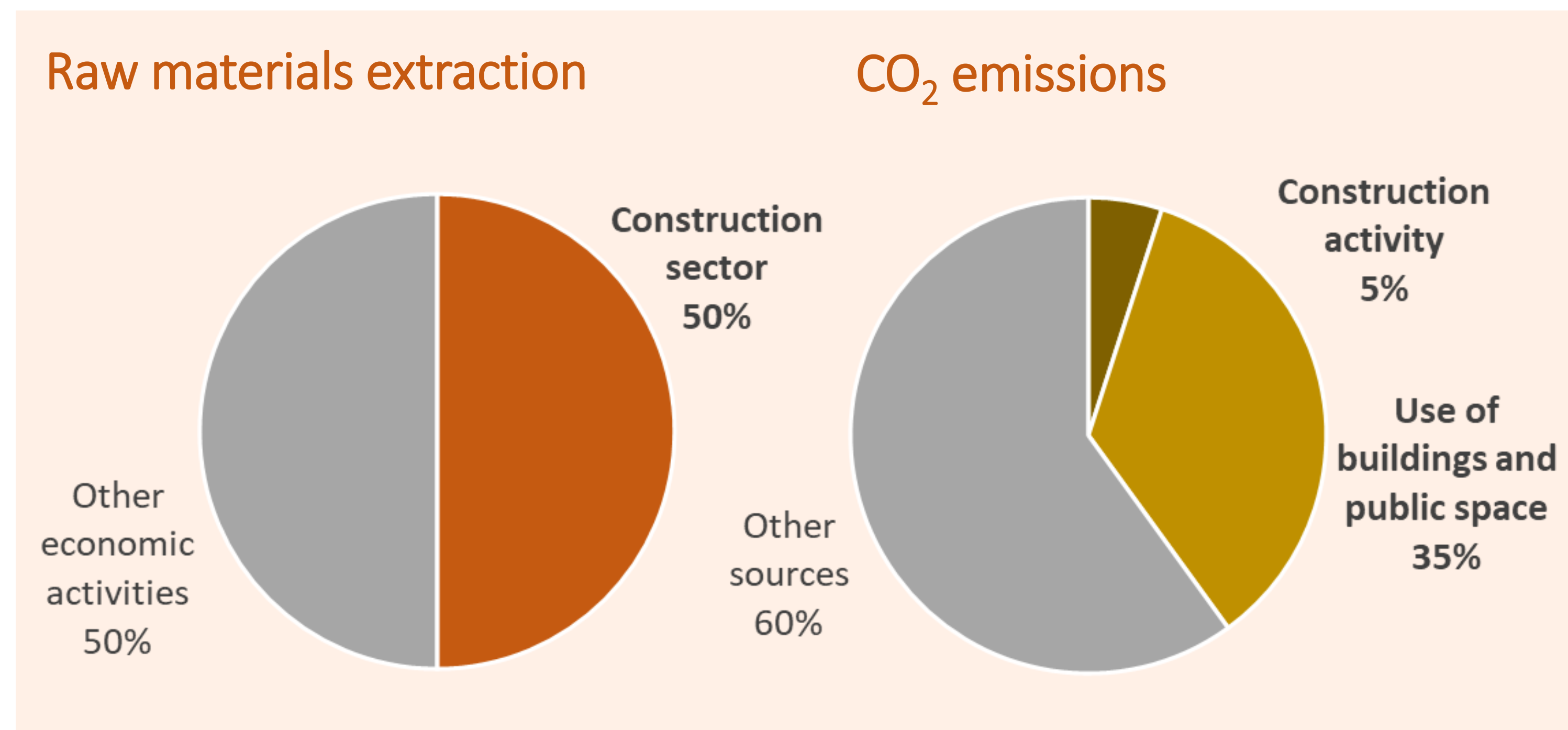


CONSTRUCTION AND DEMOLITION WASTE PROJECT ‘(DE)CONSTRUCT FOR CIRCULAR ECONOMY’

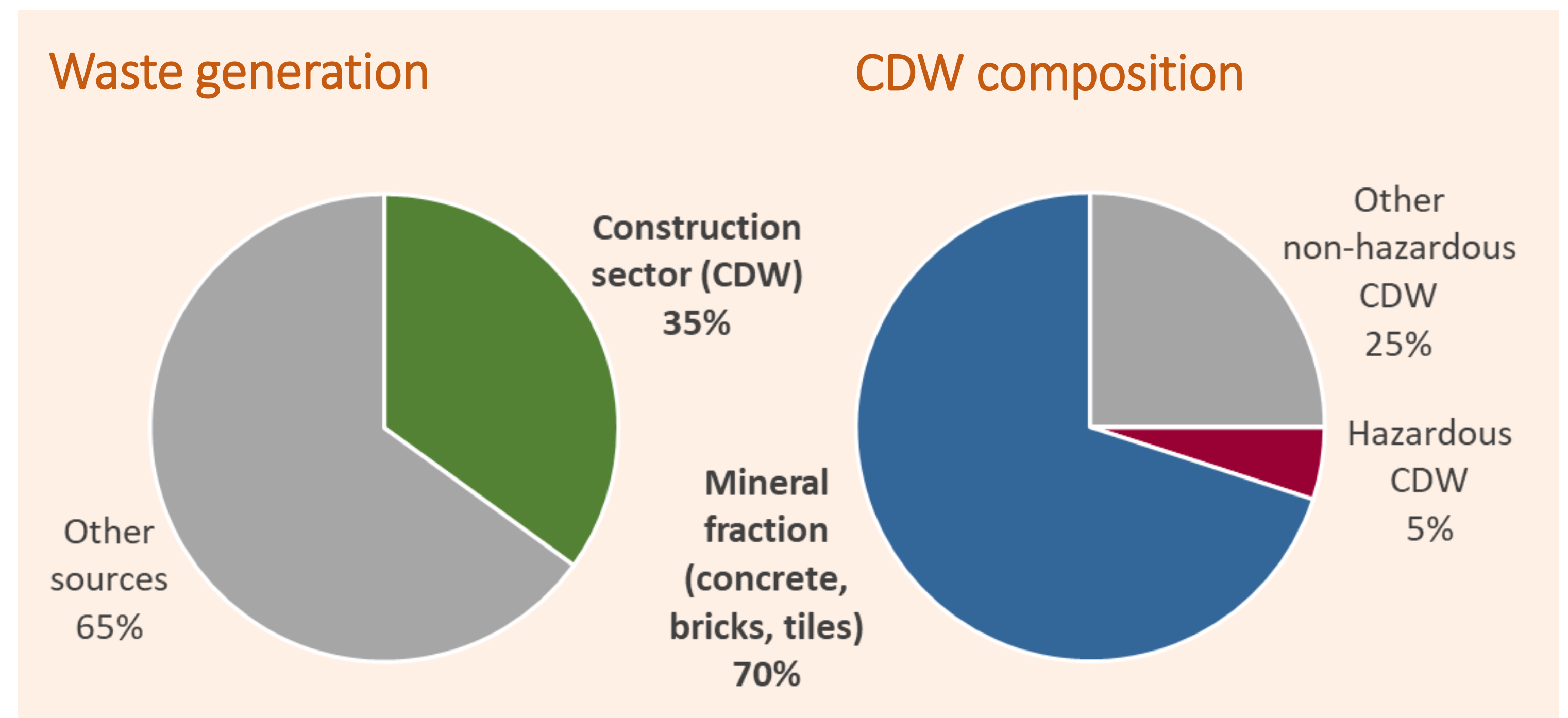
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CONSTRUCTION SECTOR ENVIRONMENTAL IMPACTS



CONSTRUCTION AND DEMOLITION WASTE (CDW)



PROJECT ‘(DE)CONSTRUCT FOR CIRCULAR ECONOMY’

A project connecting 11 partners from Portugal (8), Norway (1), Czech Republic (1), and Romania (1), funded by the EEA Grants mechanism, and focusing on promoting the circular economy principles in the construction sector.

Developed in the *Baixo Alentejo* region, in Portugal, composed of 13 municipalities, in a rural area, with a lack of CDW management facilities, and serious knowledge gaps in legal procedures and good practices about CDW management.

The project involved the municipal technicians and the micro and small construction companies, because specific constraints have been identified for these two groups regarding CDW management on a local scale.

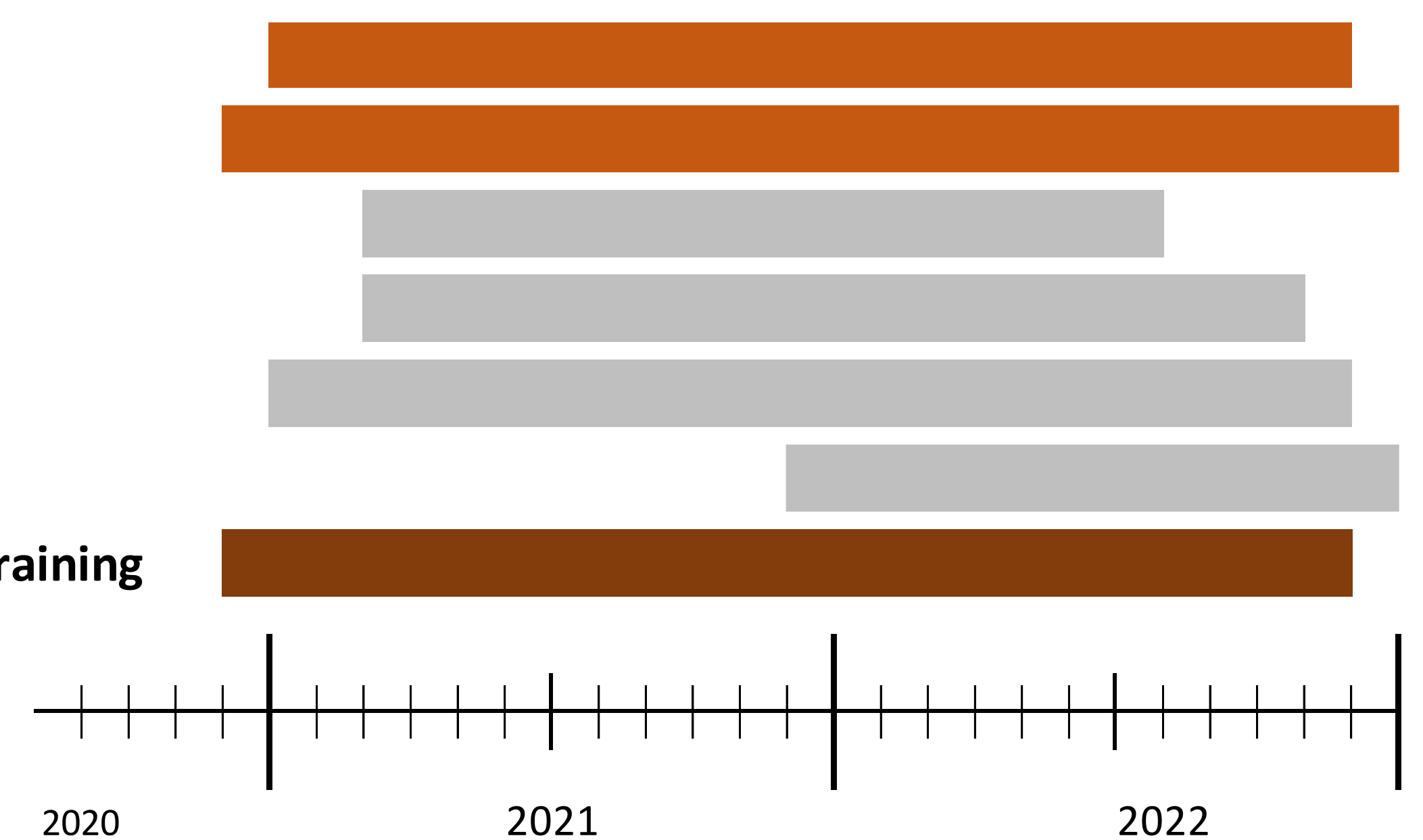
Partners



Work Packages (WP)

- WP1. Diagnosis (and follow-up)
- WP2. Legal framework
- WP3. Materials passport
- WP4. Pre-demolition audits
- WP5. Model
- WP6. Proposal for strategic plan
- WP7. Information, awareness and training

■ FCT NOVA leadership
■ FCT NOVA involvement



FCT NOVA ACTIVITIES

Raising awareness and implementing training actions

6 workshops in Portugal (2021) for municipal technicians and representatives of micro and small construction companies



1 workshop in Prague (2022) for project partners and municipal representatives of *Baixo Alentejo*



Creating a municipal regulation for CDW management

1 proposal of regulatory clauses for CDW management, to harmonize legal criteria and good practices between municipalities in the *Baixo Alentejo* region

2 dissemination actions

- 1 with municipal technicians involved in the proposal
- 1 involving the Intermunicipal Council, with the municipal elected representatives

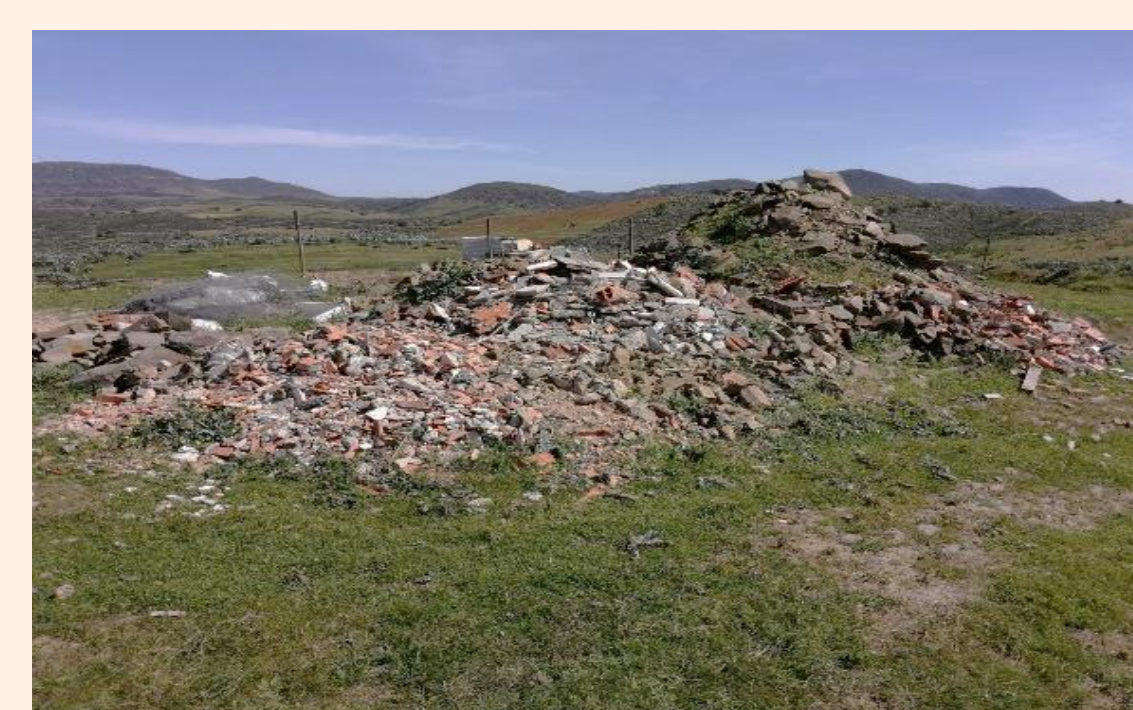


Monitoring the illegal dumping of CDW

20 months of monitoring work together with municipal technicians

12 municipalities involved in monthly monitoring

- Raising awareness about the problem (loss of materials, costs, lack of facilities)



- Contributing to local information gaps through performance indicators and municipal costs evaluation

Testing local strategies to encourage CDW management

4 municipalities improving sites for CDW preliminary storage

100 visits to construction works of micro and small companies, raising awareness, with proven evolution of practices over time



3 municipalities involved in training about compliance with legal procedures for CDW management under municipal responsibility

FCT NOVA PUBLICATIONS

Ramos, M., Martinho, G., Vasconcelos, L., Ferreira, F. (2023). Local scale dynamics to promote the sustainable management of construction and demolition waste. *Resources, Conservation & Recycling Advances*, 17, 200135. <https://doi.org/10.1016/j.rcradv.2023.200135>

Ramos, M., Martinho, G. (2023). An assessment of the illegal dumping of construction and demolition waste. *Cleaner Waste Systems*, 4. <https://doi.org/10.1016/j.clwas.2022.100073>

Ramos, M., Martinho, G., Pina, J. (2023). Strategies to promote construction and demolition waste management in the context of local dynamics. *Waste Management*, 162, 102-112. <https://doi.org/10.1016/j.wasman.2023.02.028>

