

Workshop A	Workshop B	Workshop C
<b>Applicability of (new) reconstruction materials</b>	<b>Climate and moisture in fortresses</b>	<b>State of the art &amp; best practices reconstruction techniques</b>
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This room	Behind coffee room	Downstairs
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## Applicability of (new) reconstruction materials

- Always start by analysing your brick and mortar
- The skills of the mason are very important; train young masons at the building site
- Not enough supervision on quality; usually only financial control
- Quality of old mortar recipes
- Use zinc anodes to prevent oxidation
- Iron with a higher carbon percentage oxidate less

## Climate and moisture in fortresses

- Start with your re-use at the buildings that were originally planned for human use in former times. It will save energy, investments, technical adjustments; stay close to the original concepts.
- Checklist of original functions: ventilation and drainage
- Investments should be seen in relation to future energy costs. And what about CO2 reduction?
- Insulation could be an effective method, but is it allowed in listed monuments?

## State of the art & best practices reconstruction techniques

- What story do you want to tell with a fortress? Be selective in classifying and protecting
- Be aware of the risks (technical and financial) during restoration
- Reversible solutions
- Ground covered buildings: what's the quickest method? Is taking of the ground always necessary?