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Approaching Near Zero Energy In Historic Buildings

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R = Document, report

DEM = Demonstrator, pilot, prototype, plan designs

DEC = Websites, patent filing, press & media actions, videos, etc.

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PU = Public

CO = Confidential, only for members of the consortium, including the Commission Services

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PowerPoint Presentation and Templates



DEMONSTRATOR SITES



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Associate Partners

- **Northern Ostrobothnia Museum** – building owner, heritage agency
- **Finnish Heritage Agency** – heritage authority
- **Oulu Regional Council** - local authority
- **Orkney Islands Council** - local authority
- **Umea Vicarage** – building owner
- **Historic Buildings in the North** – heritage authority
- **Missionaries of the Sacred Heart** - building owner
- **Blackpool Glen and Ballyvolane Parish (Cork)** – building owner
- **The Living Commons CLG** – social housing projects using historic buildings
- **Diocesan Authorities of the Faroe Islands** – building owners



For more information

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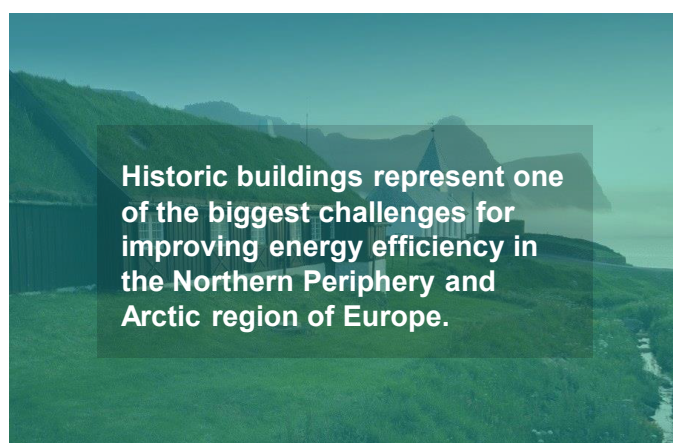
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Challenge of NZEB in Historic buildings

Historic buildings in rural and peripheral areas display challenging characteristics that make them iconic:

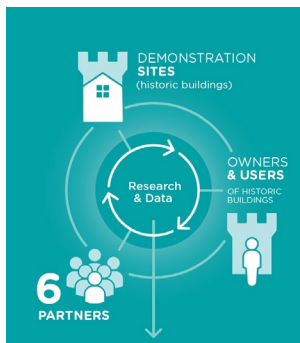
- Constructed of natural materials (like stone hand made brick or wood), using artisan skills.
- Have listed facades and unique external and internal architectural features.
- Expensive and difficult to upgrade.
- Are historic and irreplaceable landmarks for the community

Energy Pathfinder project will work with owners, residents, and other stakeholders in identifying and addressing these challenges.

The main outcome from the project will be an **online tool kit** that will support owners of historical buildings to carry out an energy retrofit that is socially, culturally and environmentally appropriate.

Energy Pathfinder involves **six partners** from Ireland, Sweden, Scotland, Finland and the Faroe Islands and is supported by the European Union through the **Interreg programme for the Northern Periphery and Arctic Region**.

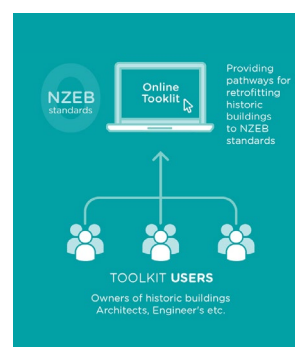
Project Idea



Building owners & users need an online Toolkit that can be used to chart how **Near Zero Energy** standards can be achieved in historic buildings in different regions.

Energy Pathfinder will work with owners and other stakeholders through a **participatory design process**.

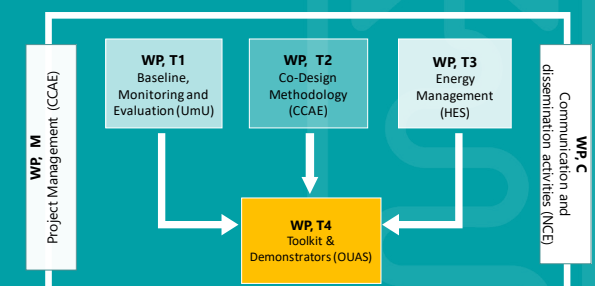
Energy Pathfinder Toolkit



The **Toolkit** will draw results from the **co-design process** as well as from an analysis of relevant **retrofit measures and renewable energy** installations, proposed or carried out on demonstrator buildings.

This will help owners decide what measures are most appropriate and effective to help their building reach **Near Zero Energy Building standards**.

Work Packages





Demonstrator Sites



Wooden Vicarage, Vöðarelli,
Faroe Islands



Cathedral of St Mary and St Anne,
Cork, Ireland



Myross Wood House, West Cork,
Ireland



Town Hall & Rectors House, Raahen,
Finland



Harbour Masters House Orkney
Islands, Scotland



Wooden Vicarage, Vöðarelli,
Faroe Islands

