Planning of Green Energy Savings in Houses

Roar Fossum Hamstad
Færder Upper Secondary VET
Tønsberg
Norway

<table>
<thead>
<tr>
<th>Main objective of the project</th>
<th>Exchange of Good Practices</th>
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<tbody>
<tr>
<td>Project Title</td>
<td>Planning of green energy savings in houses</td>
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<tr>
<td>Project Acronym</td>
<td>SBPBC</td>
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<tr>
<td>Project Start Date (yyyy-mm-dd)</td>
<td>2020-09-01</td>
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<tr>
<td>Project Total Duration</td>
<td>24 months</td>
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<td>Project End Date (yyyy-mm-dd)</td>
<td>2022-08-31</td>
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<td>National Agency of the Applicant Organisation</td>
<td>NO01 Norwegian Agency for International Cooperation and Quality Enhancement in Higher Education</td>
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<td>Language used to fill in the form</td>
<td>English</td>
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For further details about the available Erasmus+ National Agencies, please consult the following page:
https://ec.europa.eu/programmes/erasmus-plus/contact
Who am I?

- Roar Fossum Hamstad
- 46 Year old
- Scaffolder
- Teacher in a vocational school
  - Building and construction

- Carpenter
- Plummer
- Bricklayer
- Painter
Background of the Project

- Euneos
- Lack of houses
- Energy efficient houses
- Sharing our building traditions

www.norskemicrohus.no
Background of the Project

- Euneos
- Lack of houses
- Energy efficient houses
- Sharing our building traditions
R-Value

Isolate brick wall

Isolate wooden wall
Project Description

- Two schools
- Sharing best practices
- Fioretti, Digital Tools
- Færder, building
  house out of wood
1st Exchange

- Exchange to Fioretti College in May, first year
- 10 students from Norway
- Students work together in mixed groups
- Design a minihouse within given framework
- Produce a minihouse in 1:10 scale
- Students from the Netherlands will make construction drawings before next exchange
2nd Exchange

- Exchange to Færder Upper Secondary Level in May, second year
  - 10 students from The Netherlands
  - Participate in building a minihouse
    - Walls
    - Roof
    - Floor
Objectives

- Solar Energy
- Insulation
- English Language
- ICT
- Increased interest around energy saving
Expected Outcome of the Project
Expected Outcome of the Project
Technical info:

- **Electricity**
  - Solar panel
  - Windmill
  - Battery storage
  - Inverter 12v to 220v

- **Heating**
  - Solar collectors
  - Storage tank
  - Hydronic radiant heating in floor
  - Lower temperature
• Thank you for listening!

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