



# AWeSOMe

## Agricultural Waste as Sustainable 0 km building Material



The AWeSOMe project aims to disseminate best practices on the use of agricultural waste for the production of bio-based building components with high hygrothermal performance, raising awareness in society of the importance of what is referred to as “green building” which must aim at drastically decreasing the energy needs of

**“Self-Building Workshop with agricultural waste materials”**

**03.04.05 November 2022**

**Conference Room “GAL Molise Verso il 2000”  
Viale Monsignor Secondo Bologna, 15, Campobasso (Italy)**

buildings, but using materials with low environmental impact, of natural origin, which keep on reduce the building’s consumption, make the living environment healthier and come from the rediscovery of the oldest techniques and traditions. These new procedures and components allow to reduce the synthetic materials, which although high in energy performance, create large amounts of CO2 emissions into the air for their production and disposal, with extremely negative consequences for the environment.

The self-building workshop, which is open to building professionals, construction companies, as well as agricultural operators, aims to provide theoretical and practical knowledge on the use of materials recovered from agricultural waste, such as straw, to make CE-certified and 100% natural thermal external coating.

In the second phase of the workshop, scheduled for November 17 and 18, 2022, plastering will be performed. Having completed the straw drying phase, therefore, workshop participants will be able to prepare the unfired lime plaster and ensure its installation directly on the straw and lime substrate.



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**PHASE 1:**

Ancoraggio al muro travetti in blue 5x5x25 cm con vite a fisher da 12 cm



Ancoraggio travetto verde 5x5x 400 cm al travetto blue con vete da 8 cm



Ancoraggio del pannello in legno “cassero” su travetti verdi con vite a 8 cm



**PHASE 2:**

Intonaco aggrappante a muro in paglia e calce



Riempimento a cassero in paglia e calce ancorato sul travetto verde



Scasseratura del pannello in legno



**PHASE 3:**

Una volta tolto il pannello di legno si stende l’intonaco di calce e paglia si rimonta il pannello di legno.



Riposizionamento del pannello per ripetere l’operazione del riempimento



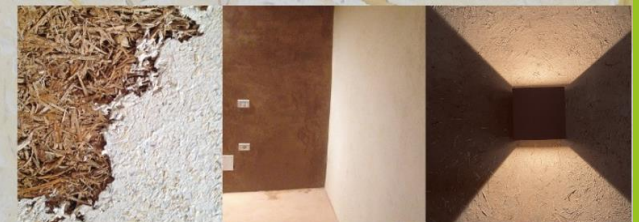
Intonaco in terra cruda direttamente sul supporto in paglia e calce spessore minimo di 1 cm



**PHASE 4:**

**INTONACI NATURALI**

Intonaci e termointonaci naturali per interno ed esterno traspiranti a base di paglia, terra cruda e cocciopesto.



For further information please contact:

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