



FIG WORKING WEEK 2012  
May 6–10 2012  
Rome, Italy

# RESTRUCTURING THE FORMER RURAL BUILDING

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1



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- *Most of the former rural buildings in the Province of Ragusa (Sicily), were built at the end of 1800, the year of construction is in fact present in many buldings entrance architaves.*



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2

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- Today many of these buldings are in a state of total abandonment, unused and left to deteriorate.
- In many cases the buldings are located away from population center.
- In recent years, there was the tendency on to purchase and rennovate these bulduings.

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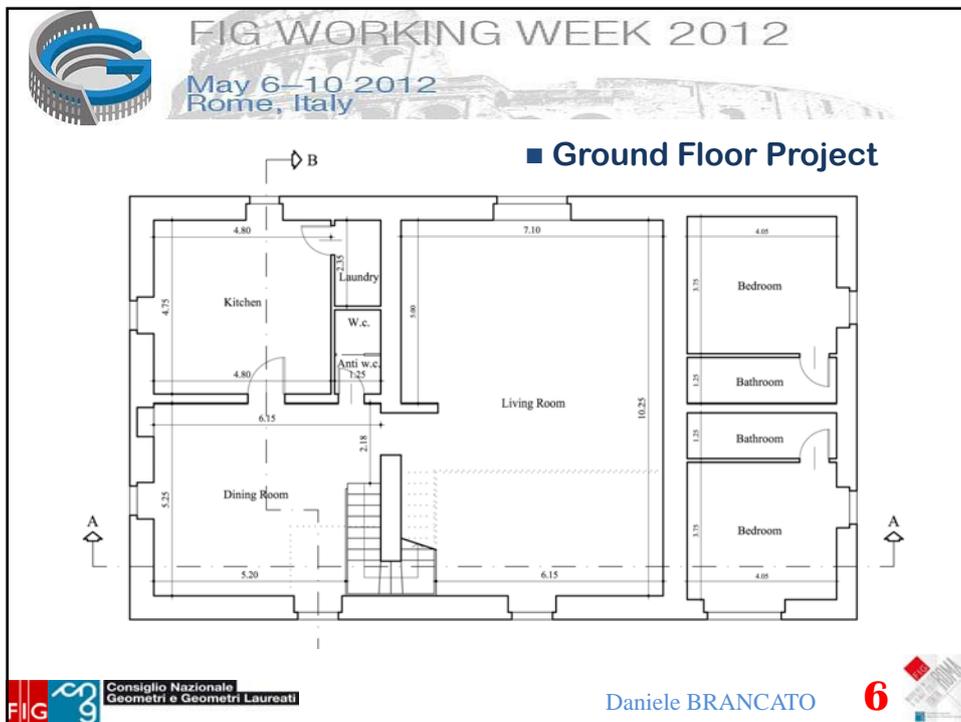
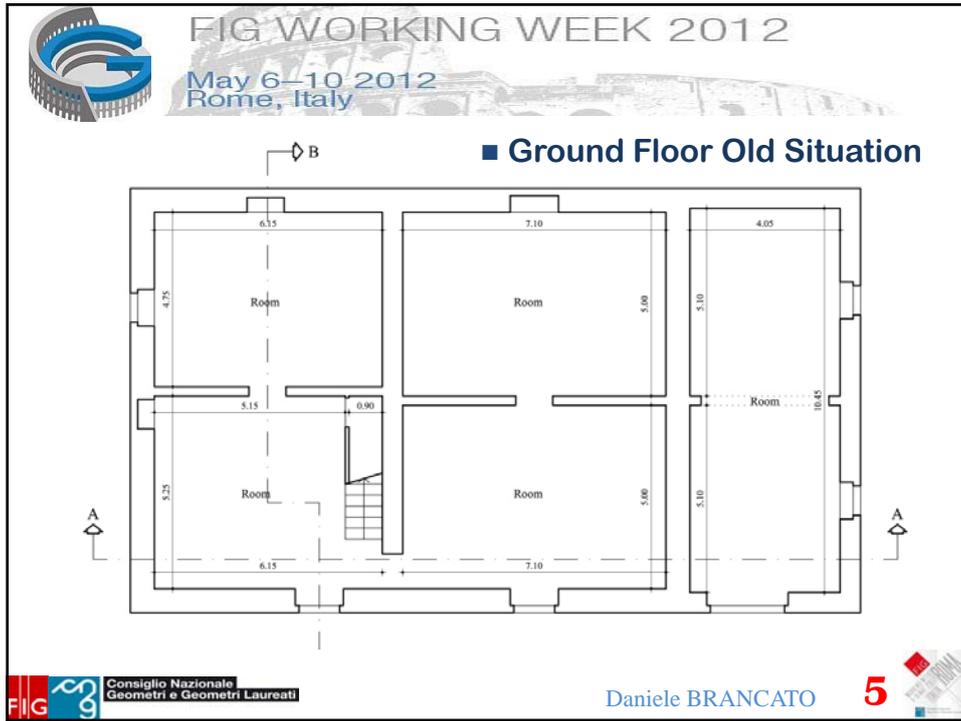
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■ *The Project presents the Renovation of a bulding stated as a former rural-residential in order to trasform it into a house.*



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- *During the early stages of restoration the presence of a cavity wall was noticed at the base of our bulding.*
- *In the past this element was used to isolate the bulding from the rising damp from the ground*
- *The decision was to clean up the cavity wall to allow again the isolation of the bulding.*




**FIG** Consiglio Nazionale Geometri e Geometri Laureati

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*The work began with:*

- *Demolition and tearing up the inside flooring.*



*Old*



*New*

**FIG** Consiglio Nazionale Geometri e Geometri Laureati

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- External facades renovation and cleaning.**

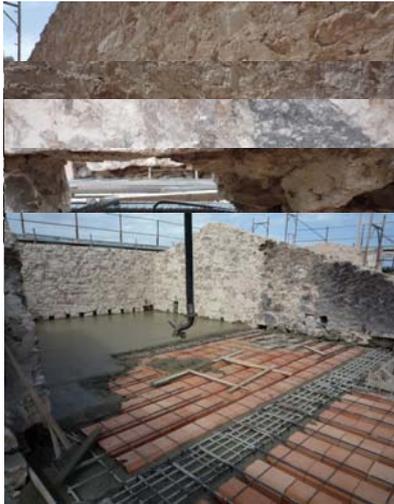


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- Interstory renovation consisting in a single reinforced concrete block used for different rooms. In order to build this element, a connection between the new floor and the existing structure was provided**




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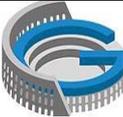
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■ *It is planned, moreover, to redesign the internal staircase, maintaining the uniqueness of a typical stone staircase.*



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■ *The former local bakery was in a bad state, its walls were impregnated with smoke (arsing from the oven) and they were black.*

■ *The decision was to plaster the walls of this room.*



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- *The roof coverage has been maintained with the already existing Sicilian clay tile*
- *The wooden structure, was completely replaced*
- *Important element was to provide a well insulated cover.*



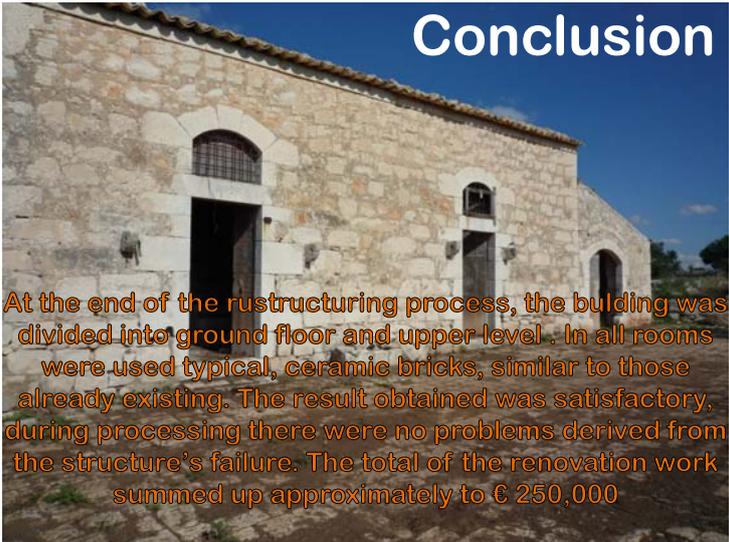
**FIG** Consiglio Nazionale Geometri e Geometri Laureati

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## Conclusion

At the end of the restructuring process, the building was divided into ground floor and upper level. In all rooms were used typical, ceramic bricks, similar to those already existing. The result obtained was satisfactory, during processing there were no problems derived from the structure's failure. The total of the renovation work summed up approximately to € 250,000



**FIG** Consiglio Nazionale Geometri e Geometri Laureati

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**17**

