

ECCE BUILDING CERTIFICATE IN SUSTAINABLE CONSTRUCTION



le flocon 



PARTNERS:



A Pioneering Ecovillage
in West Wales

ECCE BUILDING CERTIFICATE IN SUSTAINABLE CONSTRUCTION



le flocon 



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LECTURE 1: SUSTAINABLE WALLS BUILDING SOLUTIONS

GENERAL FEATURES

DRY STONE WALLS (Ivana Ponsada)

RAMMED EARTH WALLS (Fermín Font)

STEEL FRAME WALLS (Teresa Gallego)

ECCE BUILDING CERTIFICATE IN SUSTAINABLE CONSTRUCTION

MODULE: SUSTAINABLE WALLS BUILDING SOLUTIONS

GENERAL FEATURES

LECTURE 1-DRY STONE WALLS

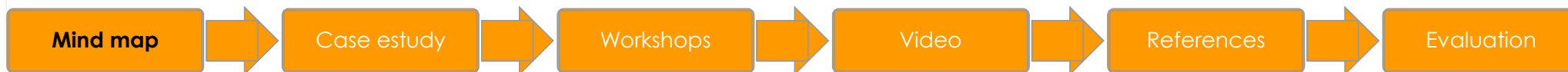
LECTURE 2-RAMMED EARTH WALLS

LECTURE 3-STEEL FRAME WALLS

ECCE BUILDING CERTIFICATE IN SUSTAINABLE CONSTRUCTION

LECTURE 2 RAMMED EARTH WALLS

- 1- Mind map
- 2- Case study
- 3- Building sustainable solutions
- 4- Video
- 5- References
- 6- Evaluation



1
INDUSTRIAL
REVOLUTION

2
INDUSTRIAL
REVOLUTION

3
INDUSTRIAL
REVOLUTION

4
INDUSTRIAL
REVOLUTION

EVOLUTION OF WALLS AS STRUCTURAL BUILDING SOLUTIONS

1
STONES



2
**RAMMED
EARTH**



3
BRICKS



4
CONCRETE



5
STEELTH



Mind map

Case study

Workshops

Video

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Evaluation



XIVERT CARCEL WALLS, FOLLOW THIS TECHNIC
FROM THE MUSULMÁN PERIODE



ORTELLS VILLAGE IN MORELLA , CASTELLÓN
MOST OF THE OLD TOWN



Mind map

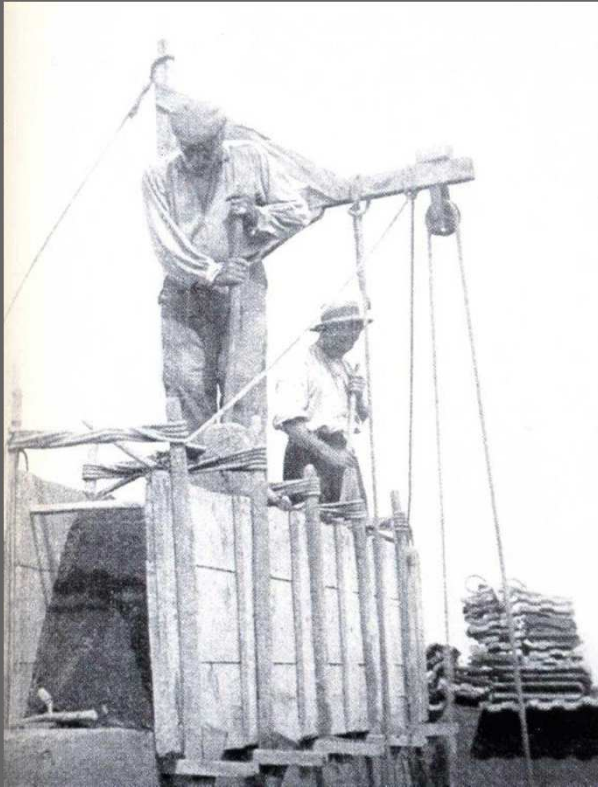
Case study

Workshops

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BUILDING WITH TAPIAL IN THE 20TH IN FRANCE.
SOURCE : TERRA INCÓGNITA P. 27



GANG OF BRINKLAYERS STEPPING ON EARTH WALL IN ARGAMASA DE
ALBA (CIUDAD REAL. ESPAÑA) 1930s



Mind map

CASE STUDY

Workshops

Video

References

Evaluation



BUILDING NEAR GRENOBLE (FRANCE). PROJECT OF THE 80s IN WHICH 64 HOUSING UNITS BUILT WITH DIFFERENT TYPES OF CONSTRUCTION TECHNIQUES WITH LAND WERE BUILT. SOURCE: ARCHITECTURES DE TERRE



HOUSE IN THE AMPURDAN (GIRONA, SPAIN) BUILT IN 2005 BY ARCHITECT LLUÍS AUQUER

Mind map

Case study

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Tools



Raw Materials



Straw And Calc



Mind map

Case study

Workshops

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*SINMPLE OR
ESTABILIZED*



WITH CRUST



*WALL WITH RAMMED EARTH
MIXED OR TAPIA VALENCIANA*

Mind map

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Workers



Site manager



Mind map

Case study

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References

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Wall
finishes

