

ToB3

Towards BIM & Bio Buildings



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ToB3 is at the crossroad of two challenges:

>> Change work habits and create a culture of collaboration in the construction trades.

The data is the key and the link

>> Change works habits and vision about reuse and bio sourcing and circularity in the supply chain

Experimentations, shining examples



ToB3 common ground

We are all committed to the transition of our territory and to a high level of building environmental performance.

How:

- build and promote pedagogical innovations
- develop smart tools (like softwares) for construction trades
- conceive collaborative processes within organisations
- advocate new collective intelligence for territorial resilience

ToB3 = To be Collaborative & Collectively Resilient

A resilient territory is a one which has developed the capacities for :

- reduce its ecological footprint

>> REDUCE ITS DEBT

- use & renew its natural resources

>> MAINTAIN ITS NATURAL CAPITAL

- preserve and develop its expertise and know how

>> INCREASE ITS INTELLECTUAL AND METHODOLOGICAL CAPITAL

- strengthen the interactions between local actors

>> INCREASE ITS SOCIAL CAPITAL

ToB3 objectives

- enhance our building processes to reach demanding quality level (like passive housing)
- promote building process based on:
 - >> information sharing, data consistency and interoperability
 - >> bottom-up collaborative process expressing the full potential of each actor
 - >> an holistic vision of the building as a continuous transformation process, from its renewable materials/components to its deconstruction/recycling
 - >> bio sourced and local materials, as far as possible
- identify, gather and acknowledge local actors involved in these actions
- organise local/regional events which put the spotlight on shining exemples
- promote all these good practices at national and european level
- take advantage of our differencies (north south, local climate, know how, etc.)

Our tasks

Make a state of play (and a critical analysis) of existing BIM training methods including eco-construction issues/specifications.

Propose pedagogical scenarios/approaches that strengthen the links between BIM, ecological footprint and energy efficiency. Particular attention will be paid to facility management.

Provide BIM GAME team with ideas, models and sketches of scenarios.

Test BIM GAME scenarios including eco-construction specifications.

Organise a « BIM Contest » in order to involve/mobilise students in our respective countries and/or universities.

Our tasks

Build a database of pedagogical projects and vocational training actors

Establish a roadmap towards a eco-construction certification system

Make known our actions at local and European level

Build advocacy (Eco BIM Charter)