



Universidade de Vigo

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Activity 6

“Green” and smart structural materials repair products and systems

European Union
European Regional Development Fund
Investing in our common future

ATLANTIC AREA
Transnational Programme

duratiNet 1st Transnational Workshop
Lisboa- LNEC, 19th February 2009



Partners

- 1- LNEC (PT)
- 2- LCPC (FR)
- 3- Univ. Bordeaux (FR)
- 4- Univ. Nantes (FR)
- 5- Univ. La Rochelle (FR)
- 7- Queen’s Univ. Belfast (UK)
- 8- Univ. Vigo (SP)

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Objectives

A critical review on:

- the use of “green” concrete mixes for new or repaired structures.
- the use of structural materials with improved durability.
- the use of intelligent structural materials with active properties.
(self cleaning concrete, coatings, permanent monitoring systems)
- the use of more resistant reinforcement materials than carbon steel.

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Actions

- A1** Concrete mixes with sub-products and recycled aggregates.
(Univ. Bordeaux)
- A2** Rebars more resistant to corrosion (SS, fibers).
(Univ. Vigo)
- A3** Smart structural materials (Permanent monitoring, coatings).
(Queen's Univ.)
- A4** Repairing: green technologies for steel protection.
(Univ. Nantes)

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