DIRECT-MAT

DIsmantling and RECycling Techniques for road MATerials - sharing knowledge and practices

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FERHL

What is DIRECT-MAT?

- Coordination and Support Action
- EC call: **FP7- SST- 2007- RTD-1**

Sustainable Surface Transport

SST.2007.1.2.2
End of life strategies for vehicles/vessels and infrastructures

SST.2007.1.2.1
The greening of transport-specific industrial processes

Why this project?

- European commitment into environment-friendly and sustainable development
- Nowadays practices : recycle road and road-related wastes (tyres, ...) as new road materials
- Different practice between European countries
- National experience almost never benefits to other European countries and especially not to new member states

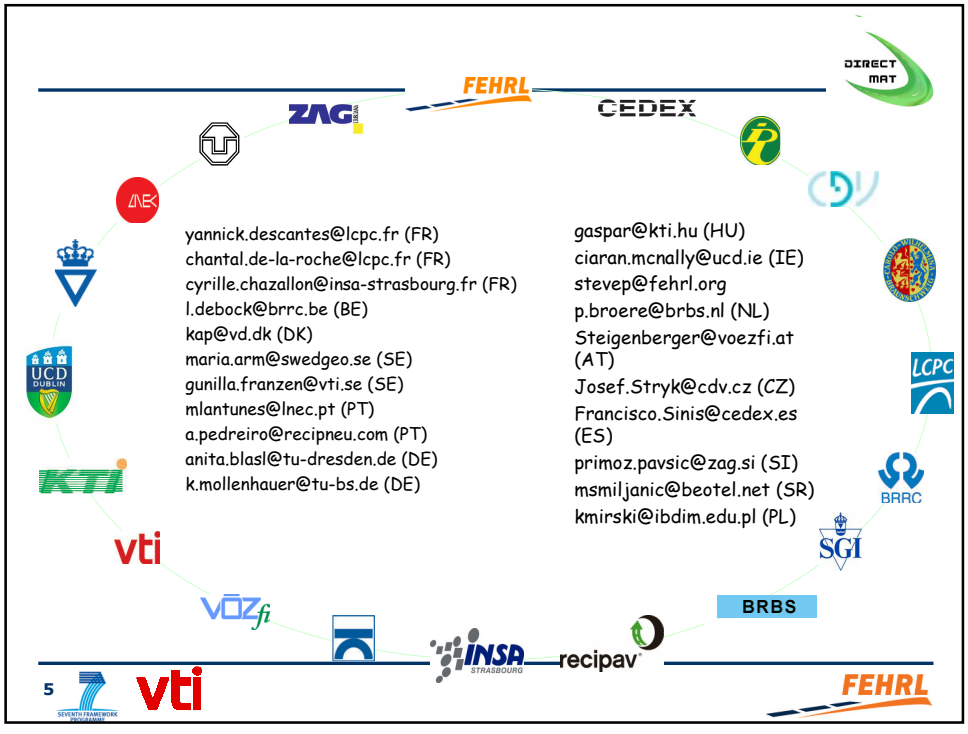
What for?

- **Objectives:** To share national knowledge and practice regarding dismantling and recycling of road and road-related materials back into roads

- **Benefits:** standardization, European integration of road materials research, practitioners, stakeholders

How?

- **Form:** Web database and best practice guides
- **Duration**: 3 years (2009-2011)
- **Partnership**: 15 European countries
  - Many countries for a wide access to national data
  - 20 partners, many FEHRL laboratories
- **EC Budget:** 1,2 million euros



Work packages organisation

WP 1
Management and coordination, leader **LCPC** (France)

End product
A European Web database with Best Practice Guides and Case Studies on dismantling and recycling of road materials back into roads

http://direct-mat.fehrl.org

WP 2
Unbound materials, leader **DRI** (Denmark)

WP 3
Hydraulically bound materials, leader **KTI** (Hungary)

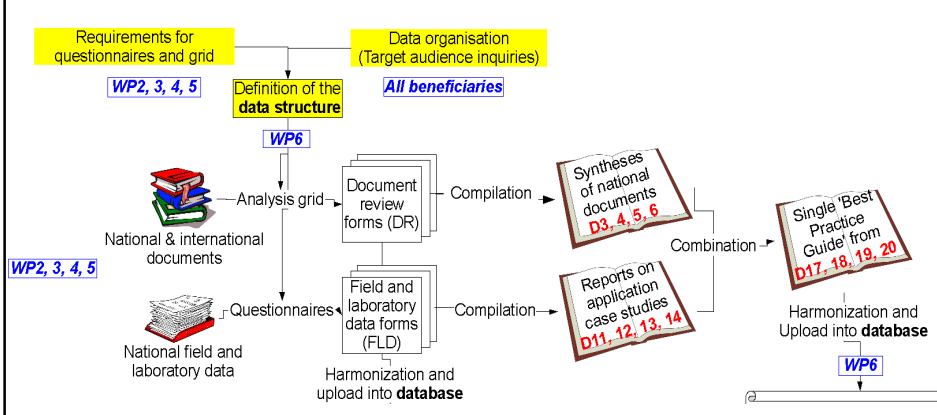
WP 4
Asphalt materials, leader **TUBS** (Germany)

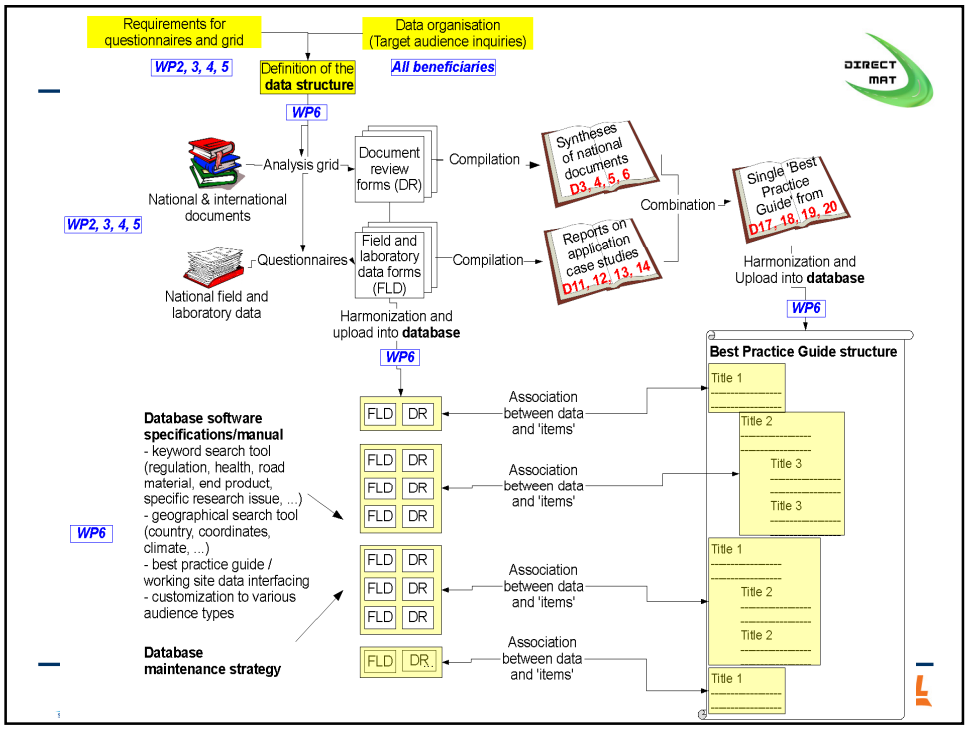
WP 5
Other materials not commonly recycled in roads, leader **BRRC** (Belgium)

WP 6
Web database development, leader **LCPC** (France)

WP 7
Dissemination and networking, leader **SGI** (Sweden)

Reference Group





Reference group important

- Reference group (General assembly + **stakeholders**)
  - Stakeholders = **authorities** (federal or local), **road contractors**,...
  - Stakeholders bring working site data, give feedback at various stages of the project and can access the database

WP7

- **Work description** : Dissemination to stakeholders, practitioners, researchers, standardization committees
- **Used tools** :
  - Articles into appropriate technical journals in each participating country (national language)
  - Articles and presentations in different European regions through national conferences (posters…)
  - European Workshop
  - Stakeholders associated from the beginning
  - FEHRL's dissemination tools, namely the DIRECT-MAT website (http://direct-mat.fehrl.org/)

THANK YOU FOR YOUR ATTENTION!!!

Website: http://direct-mat.fehrl.org/
Contact: direct-mat@lcpc.fr