ECTP
Focus Area
Quality of Life

Jean-Pierre Hamelin, Soletanche Bachy
Kristina Gabrieli, NCC
Vision

sustainable

harmonised

interaction of the built environment with

nature

and citizens.
the Challenges

- Construction activities – contribute to the Kyoto Protocol
- Efficient use of energy – operation of buildings, construction process
- Efficient use of raw materials – minimum of waste, maximum of recycling
- Preserve greenfield – reclaim existing brownfield and polluted sites
- Improve safety from natural hazards
- Improved indoor environment – knowledge of health aspect
- New concepts of protection against terrorism, industrial hazards, vandalism
- 0-accident for the sector
Structure

• Interaction of built environment with nature
  – WG1 : Reducing the environmental impact
  – WG2 : Natural hazards

• Interaction of built environment with citizens
  – WG3 : Improving the Built Environment for People
  – WG4 : Health and Safety for Workers
Organisation
Core group

- Quality of Life
  K Gabrielli
  J-P Hamelin

- Reducing environmental impact
  K Hyde
  J Mardaras

- Natural Hazards
  F Barends

- Improving the built environment for people
  P Bluyssen
  C Reinhold

- Health and safety for workers
  V Cousin
  J Goodall
Action plan

- November 3rd          Core group meeting
- December 8th         Focus Area meeting
- February 3rd         Core Group meeting

Deliverables:

- November 12th    Vision 2030, SRA to Support Group
- December 14th    Vision 2030, SRA to Support Group
- February 11th    Vision 2030, SRA to Support Group
WG1 – Reducing the environmental impact

Vision

Environmentally friendly construction sites as well as zero waste construction activities

Efficient use of all resources
Reducing the environmental impact - WG1

Key Objectives

Materials Processing
Construction
Use and Practice
Demolition and Deconstruction
WG2 – Natural Hazards

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Integrated multidisciplinary hazard, vulnerability and risk assessment system for European countries

quantifying risk

monitoring hazards

mitigation measures

emergency procedures

awareness in society
WG2 : Natural hazards

Europe is the continent with 2nd highest number of deaths due to landslides, and highest damage costs.
WG3 : Improving the Built Environment for People

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All buildings have a healthy indoor environment
- No building related health problem
- Built environment is safe
WG3 : Improving the Built Environment for People

Health, comfort and safety

Improved understanding of impact of indoor environment on health, safety and comfort

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increased productivity
reduced number of casualties in accidents and assaults
reduced sick leave and medical costs

by:

Harmonised holistic assessment methods from the human point of view
Innovative solutions for safe, comfortable and healthy environments, with participation of all stakeholders
WG4 : Health and Safety for Workers

Vision

Safe Construction Sites -
Zero accidents

human science at the centre
WG4 : Health and Safety for Workers

Target 0-accident to be embraced by every European country

Construction records are poor
(1200 fatalities/yr and 845 000 accidents/yr)

Unacceptable social and economical costs
(16 billion €/yr)

Need to produce robust tools

The RTD approach: human science at the centre

Industry adopting a single point responsibility business attitude

European stakeholders platform to follow all rtd activities and actors from start to end