

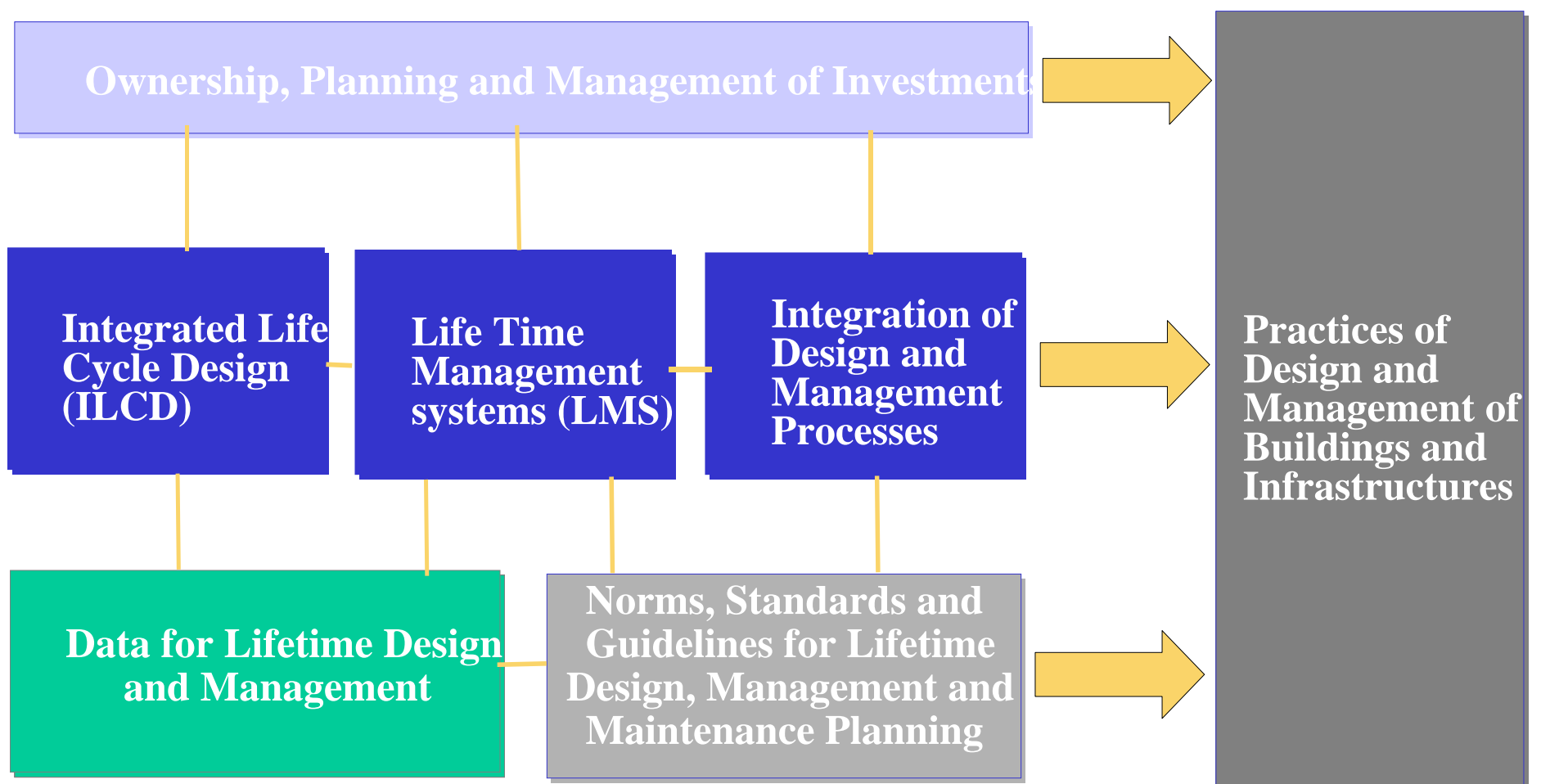
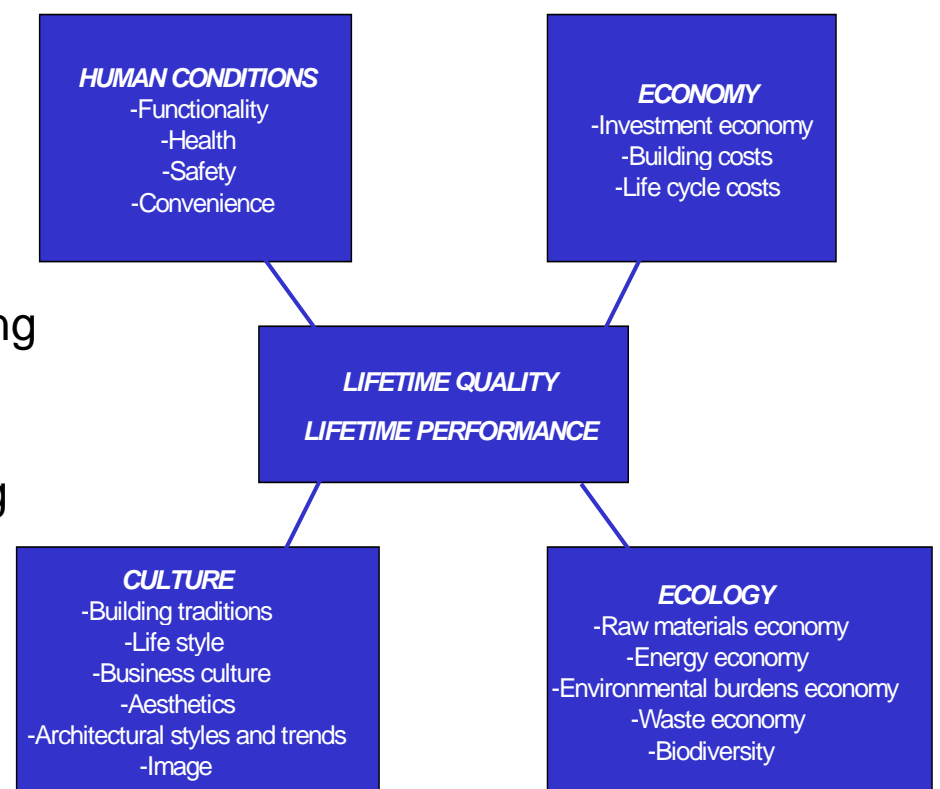


# LIFETIME ENGINEERING

## of Buildings and Civil Infrastructures

Thematic Network LIFETIME contributes to European and worldwide development of a more sustainable built environment by producing and promoting principles, processes and methods of lifetime engineering.

- *Lifetime engineering* is a theory and practice of *predictive, integrated and optimising* long-term investment planning, design, management and maintenance planning of assets
- With the aid of lifetime engineering we can optimise the *Lifetime Quality* in design and management of assets corresponding to the objectives of owners, users and society
- *Lifetime Quality* is the capability of an asset to fulfil the generic and specific requirements of owners, users and society over the entire design life of an asset in relation to:
  - *Usability (social) aspects*
  - *Lifetime Economy aspects*
  - *Lifetime Ecology aspects*
  - *Cultural aspects*
- Lifetime engineering includes:
  - Integrated lifetime investment planning and decision-making
  - Integrated lifetime design
  - Lifetime procurement and contracting
  - Integrated lifetime management and maintenance planning
  - Modernisation, reuse, recycling and disposal, and
  - Integrated lifetime environmental impact assessment and optimal minimisation



### Principal contractors of Thematic Network LIFETIME:

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- Taylor Woodrow Construction Ltd, UK
- CSTB Centre Scientifique et Technique du Bâtiment, FR
- Imperial College of Science, Technology and Medicine, UK
- Universität Karlsruhe, DE



### Thematic Network LIFETIME in figures:

- Working period: 1/6/2002 - 31/5/2005
- Participation: 96 partners from 28 countries
- Plenary workshops: 2002 Norway, 2003 Finland and 2005 France
- 25 National Dissemination Groups
- Funding from 5th Framework Programme:  
Competitive And Sustainable Growth (GROWTH) Programme