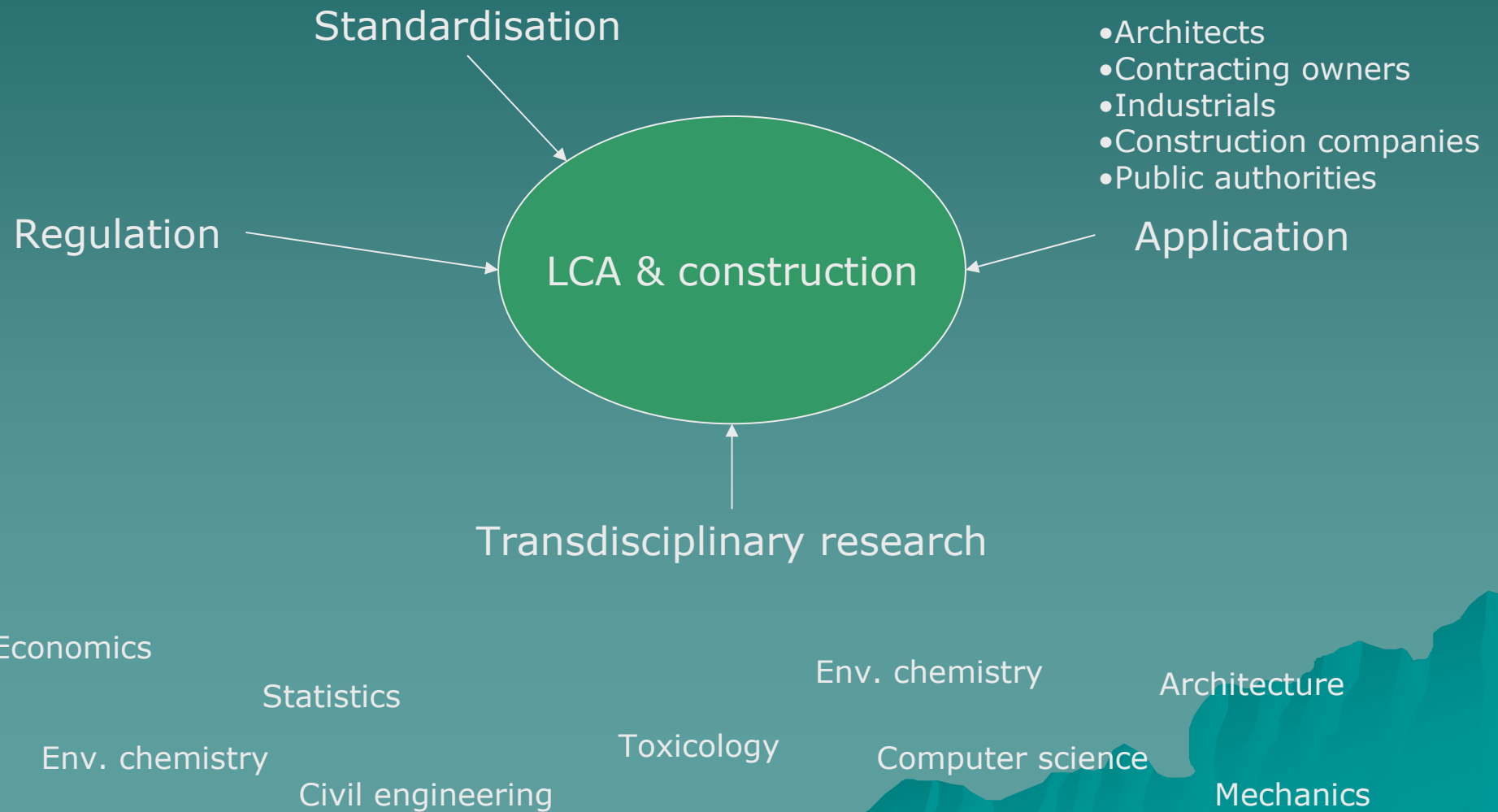


# LCA&construction

The background is a solid teal color. At the bottom right corner, there is a silhouette of a mountain range in a slightly darker shade of teal.

# International Symposium on Life Cycle Assessment and Construction

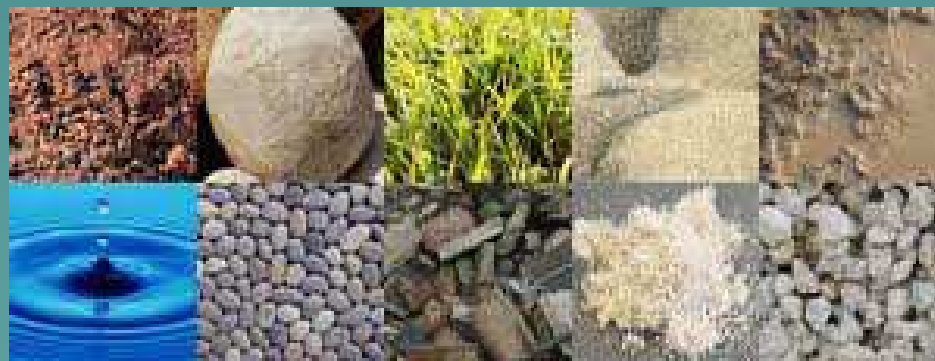
Nantes, July 10-12, 2012



...to built environment



...to constructions



...Materials

LCA from...

# Only a few... of many research challenges

- ◆ Scales changes and their coherency
  - Usable and coherent data and indicators from materials to cities
- ◆ Land use, urban sprawl and biodiversity
  - Interactions between built and natural environments
- ◆ Operational tools
  - Real time LCA processing
  - Modeling the use phase
    - ◆ to reach preventive management
    - ◆ to design for long term environmental performances
- ◆ Localized approaches for implanted objects
  - Design with local resources
  - Assess local impacts in the global impact frame

# Where are we now?

- ◆ Jeroen Guinée U. Leiden
  - LCA: past, present and future
- ◆ Arpad Horvath U. Berkeley
  - LCA in civil engineering