

QLectives: Quality Collectives

Proposal Overview

Objective IST-2007.8.4

FET proactive



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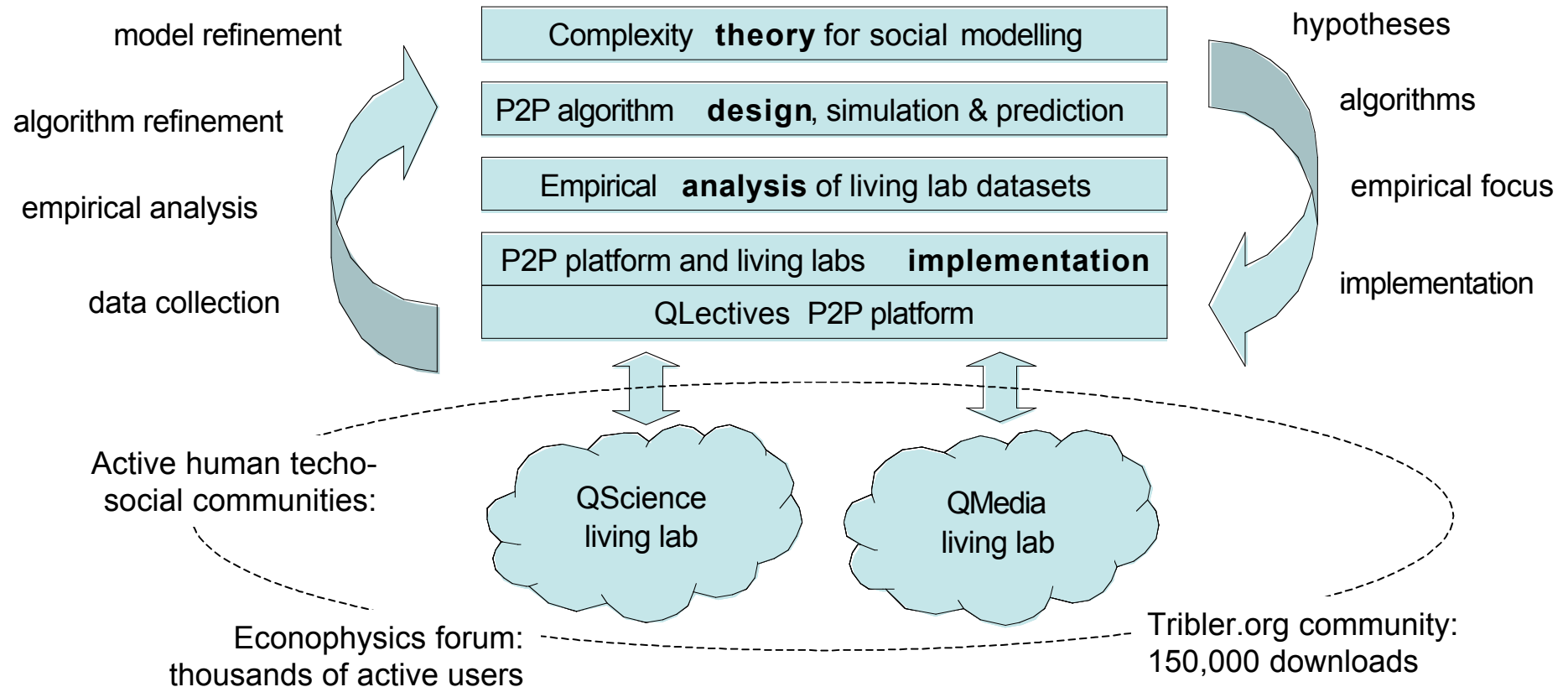


QLectives – basic idea

- Complex systems models for quality
- “Qualitative Collectives” = self-organising techno-social communities producing and rating quality (for the group) e.g. academic communities, media-sharing groups
- Use complex systems models and simulation for a self-organising P2P infrastructure to support QLectives – in general
- Create two “living labs” of real users in science and media from existing communities

QLectives will understand, experiment with, design and build trusted and secure socially intelligent ICT systems composed of self-organising peers, that will enable and support emergent ‘quality collectives’ to transform, for instance, scientific innovation and media distribution.

QLectives – project structure



QLectives – Core Partners

Nigel Gilbert,
University of
Surrey, UK (lead)

*Social science, agent-
based simulation,
computational sociology*

**Complex systems
science, econophysics,
empirically based models**

Dirk Helbing, Luboz
Buzna, Sergi Lozano, ETH
Zurich, Switzerland

Yi-Cheng Zhang,
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**Self-organising ICT,
P2P, simulation and
implementation**

+ Leading European broadcast + SME (TBC)

COSI Info. Event, Brussels
24/01/08 - QLectives