

The logo features a central green globe with a wireframe network overlay. The globe is surrounded by a larger, more complex wireframe sphere. The text 'FuturICT' is superimposed on the globe in a light green, sans-serif font. The background is dark blue with concentric circles and a network of lines and dots.

FuturICT

www.futurict.eu

FuturICT



Dirk Helbing

Steven Bishop

Paul Lukowicz

and others...

See the MEDIA and other pages on <http://www.futurict.eu/>

Aims of FuturICT

Bring together the fields of ICT, social science and complexity science

- to model our social system using
planetary scale simulations
- powered by a new
planetary scale data science
- to enable a paradigm shift to
data intensive governance

so we can manage our new global society in a sustainable manner.

Aims of FuturICT

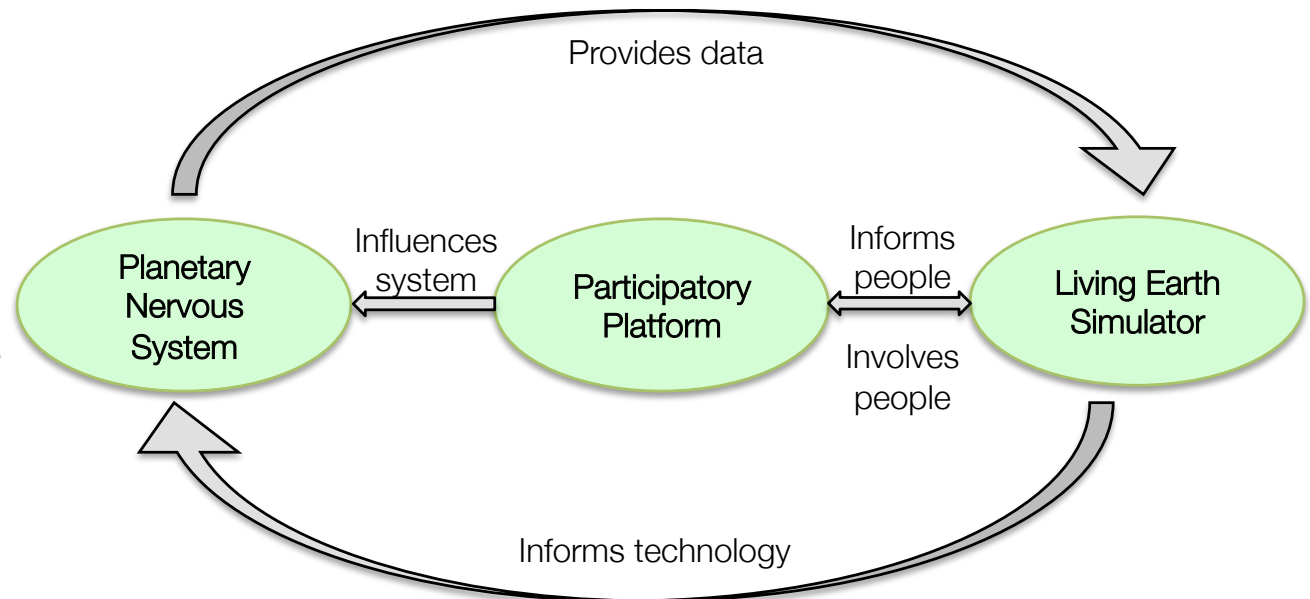
Bring together the fields of **ICT**, **social science** and **complexity science** so we can manage our new global society in a sustainable manner through

- models of our social system using
planetary scale simulations
- powered by a new
planetary scale data science
- to enable a paradigm shift to
data intensive governance

The FuturICT ICT Vision

FuturICT aims at a paradigm shift towards global scale ICT systems that are

- socially aware
- socially inclusive
- socially adaptive

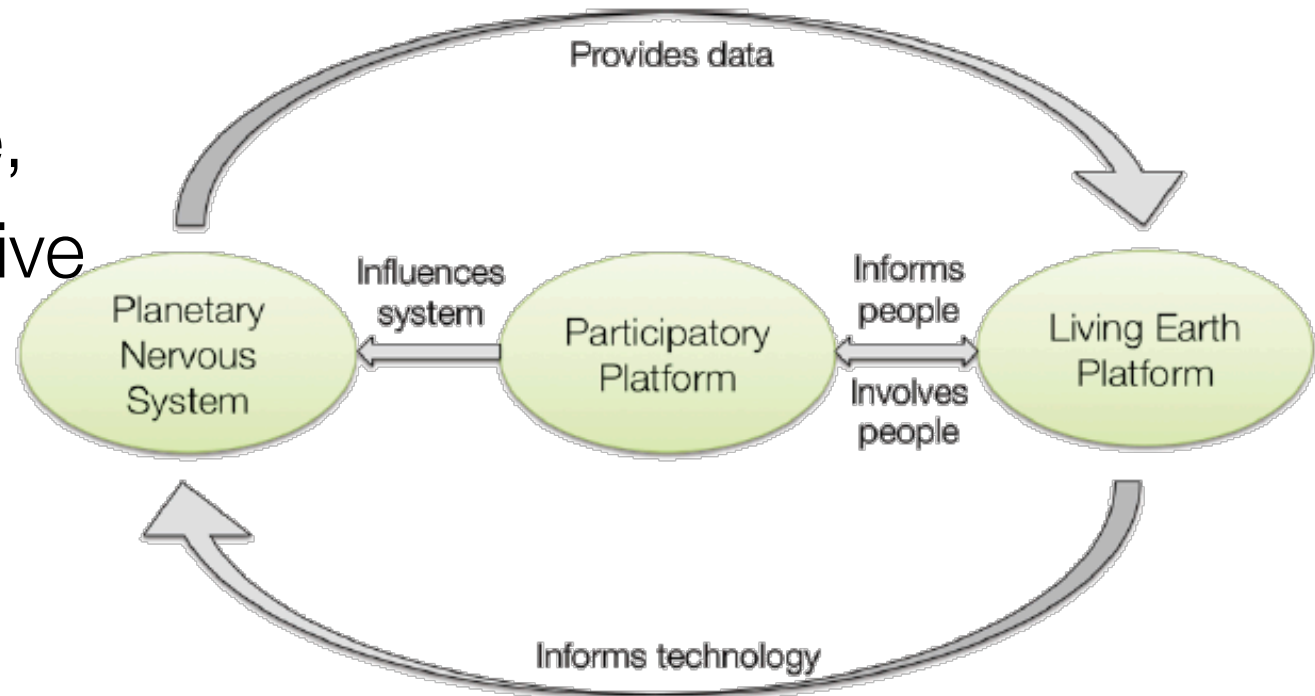


and self-organize and autonomously evolve using principles inspired by social systems and complexity science

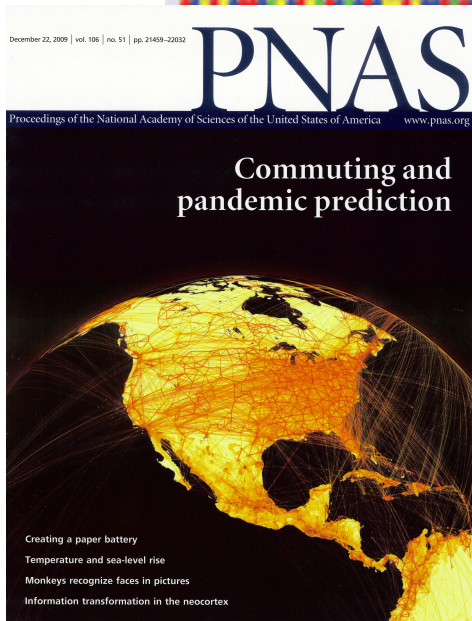
The FuturICT ICT Vision

A paradigm shift towards *global-scale* systems that self organize and autonomously evolve using principles *inspired by social systems* and complexity science. Systems will become

- socially aware,
- socially adaptive
- participatory.



FuturICT Is Big Science



FuturICT

FuturICT in Numbers

Financial Crisis: 5,000 - 20,000 billion EUR

CERN: about 0.9 billion EUR per year

ITER: about 1.5 billion EUR per year

NASA: about 19 billion US Dollar in 2010

ESA: about 4 billion EUR per year

Human Genome Project: 0.9 billion Dollar per year

Nanotechnology: 0.6 billion EUR per year

FuturICT: just 0.1 billion EUR per year

More than 400 supporters in Europe

Best academic institutions, 4 supercomputer centers, most European countries involved

Value of **Facebook:** 65 billion EUR.

Illustrates the economic perspectives of social ICT.

FuturICT will connect
many brains.

It's ideas that counts!

Impact on Science, Industry, Business, Administration, Governance

■ Science and Education:

- Innovation accelerator
- Personalized education

■ Public Sector:

- Smart, sustainable cities
- Healthcare (e.g. epidemics)
- Crisis observatories, risk management

■ Business and Industry:

- Financial sector
- Managing complexity
- Transport, traffic, logistics
- Electrical micro-generation

■ Administration and Governance:

- eGovernance
- Institutional design

■ Consultancy:

- Customized information services



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