

FuturICT



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<http://www.futurict.eu/>

Aims of FuturICT

Bring together the fields of ICT and social 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 policy making

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

Scientific advance: **Planetary scale simulation**

Build planetary scale models of our social systems



including their interaction with economic,
technological and environmental systems

Technological advance: **Planetary scale data science**

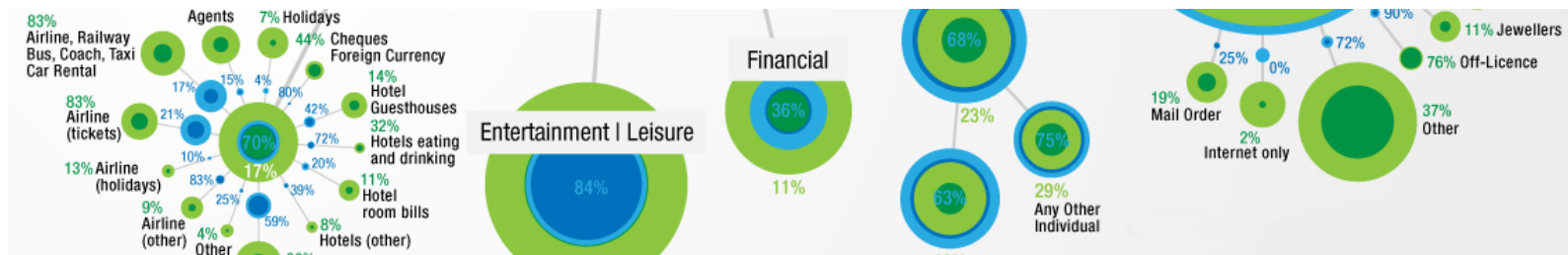
We need real-time data of massive size and scope.
Technological challenges lie in three key areas:



Mining



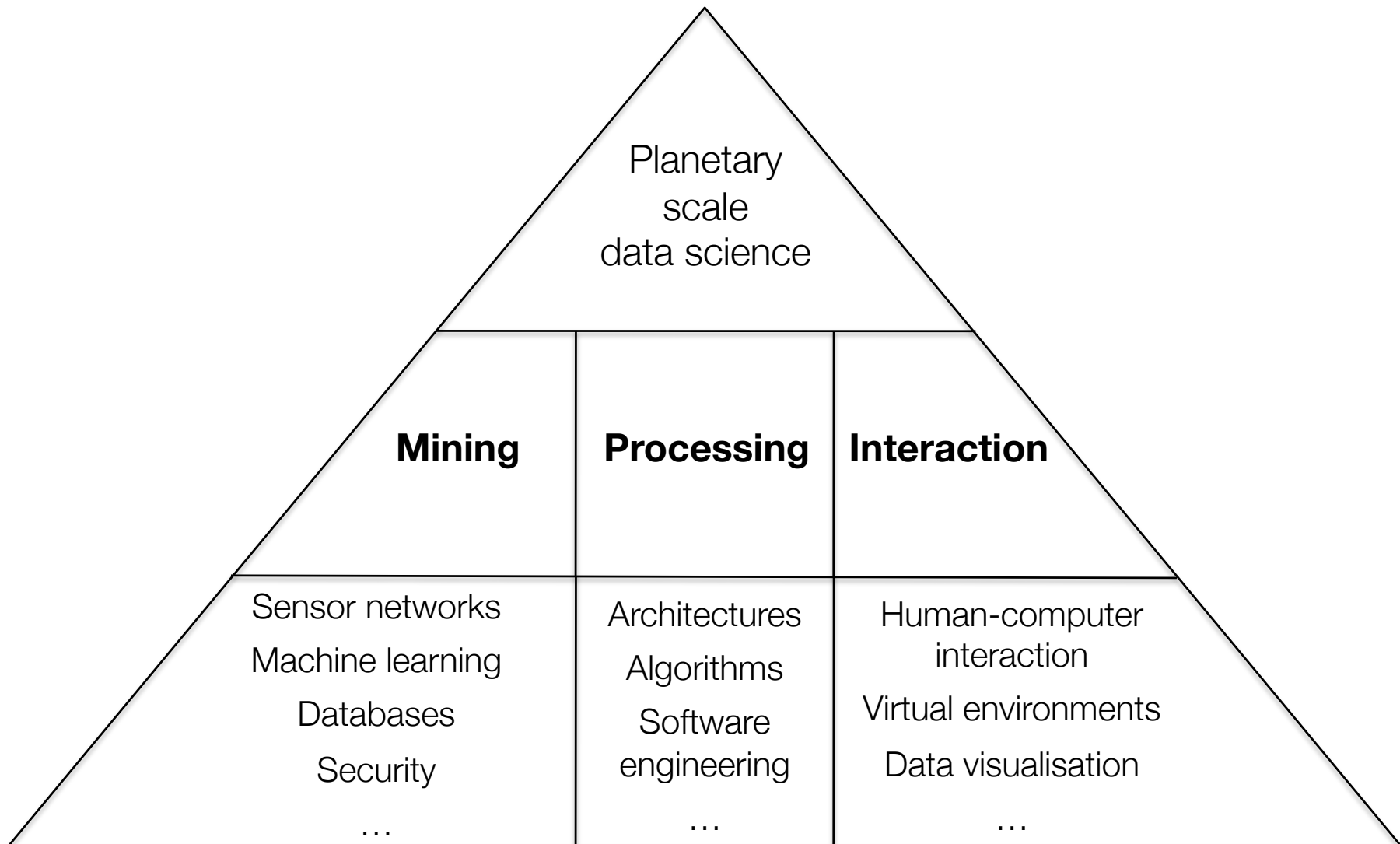
Processing



Interaction

Technological advance:

Planetary scale data science



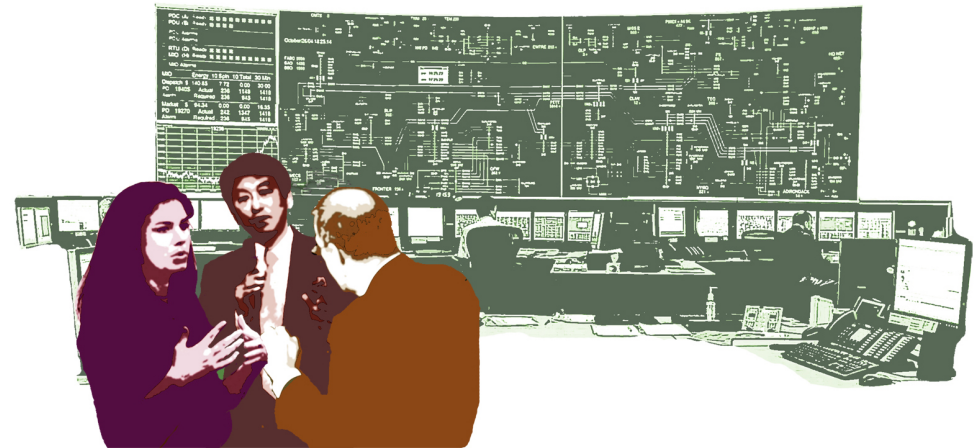
Paradigm shift for society: **Data intensive policy making**

Tools for detecting upcoming crises



Mining data and model output
for early warning signs

Tools for data-based policy exploration



Multi-scenario policy exploration
for policy makers
and for citizens

Preparatory action personnel

Advisory Board

Management
Committee

Led by
Steven Bishop

Scientific Committee

Led by Dirk Helbing

Bishop, Kertesz, Lörincz, Lukowicz,
Lux, McCarthy, Ola-Linnér, Vespignani

Partners

Supporters

open for participation

Preparatory action work packages

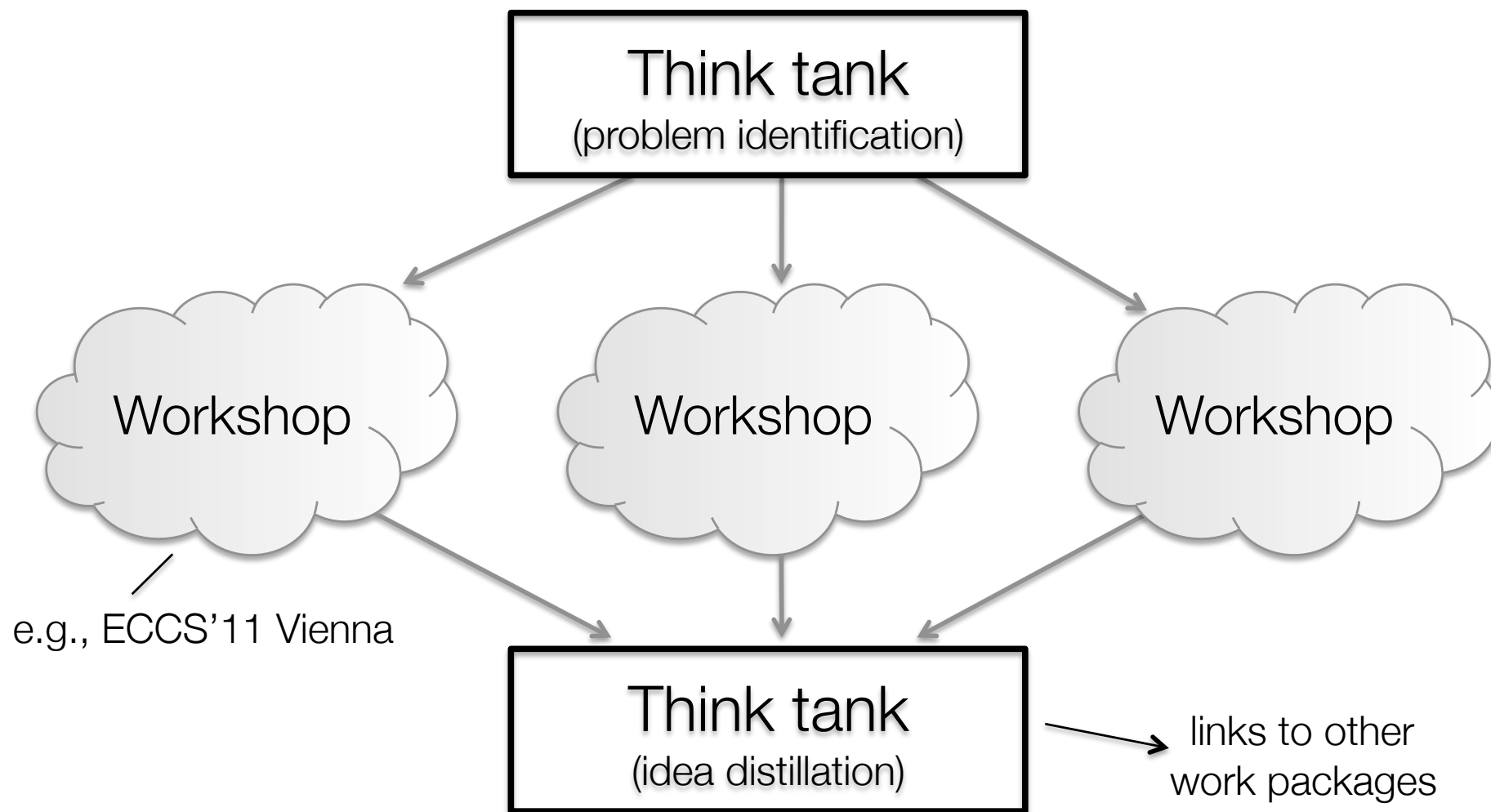
Scientific program

- Models and data
- Tools
 - Crisis detection
- Policy areas
 - Economy, environment, civil design, security, health, education, innovation
- Ethics

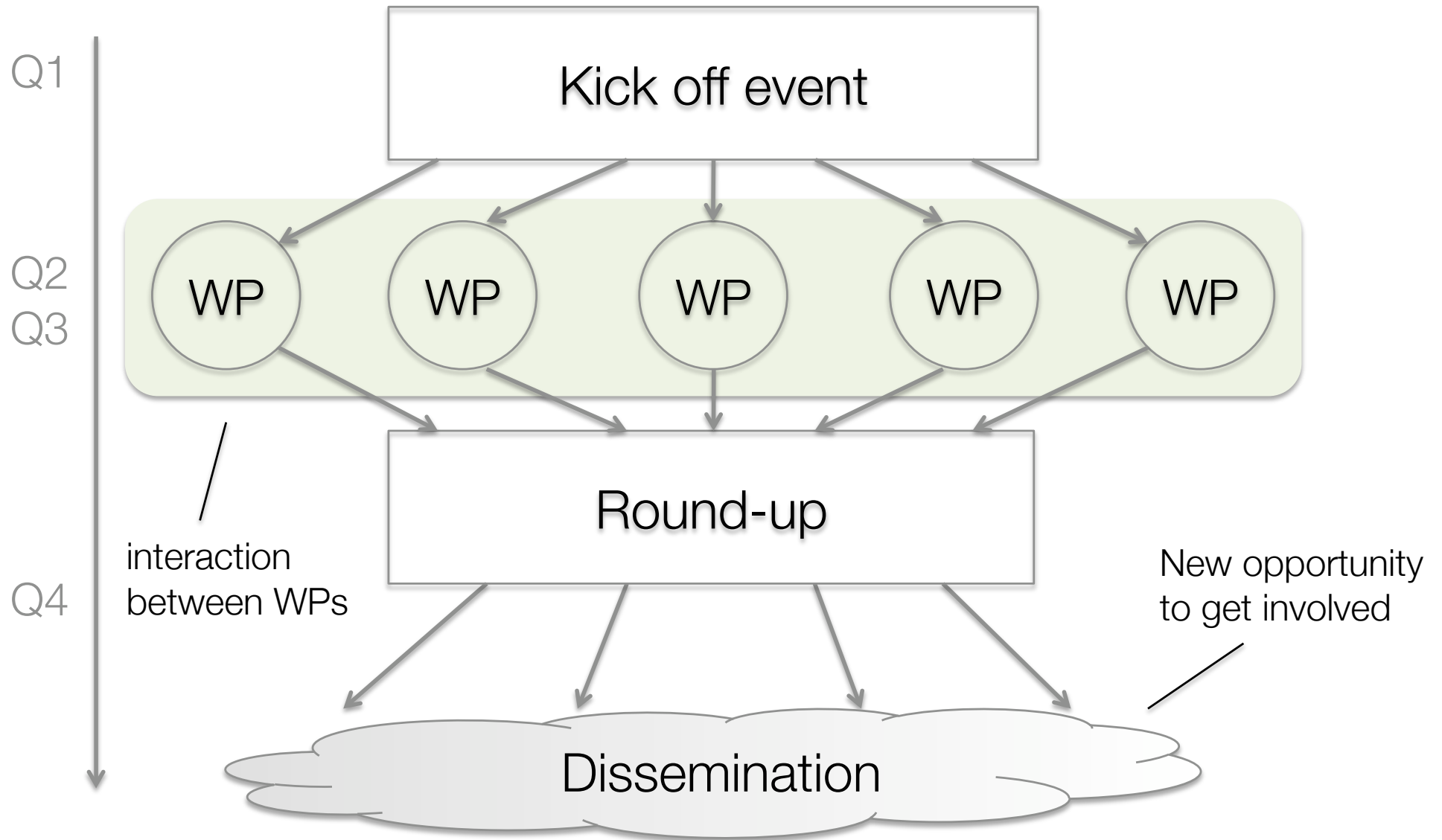
Management

- Project coordination
 - Coherence and collaboration
 - Funding
- Stakeholder liaison
 - Policy makers, business, NGOs, other EU projects, beyond Europe
- Dissemination and inclusion
 - Internet and media
 - Exhibitions

Preparatory action typical work package structure



Preparatory action overall structure



and finally ...

Thanks to Peter, Paul and Suzy for help with the slides

The Motion Box for the movie