A systemic approach to developing responses to climate change

Laurent BONTOUX, PhD

ADAPTATION FUTURES 2016
Special session PR 1.2
Climate change as innovation driver
Rotterdam, 11/05/2016

JRC
Serving society
Stimulating innovation
Supporting legislation

Who?

- Dr Laurent Bontoux

- JRC

- EU Policy Lab

- Science and evidence for policy
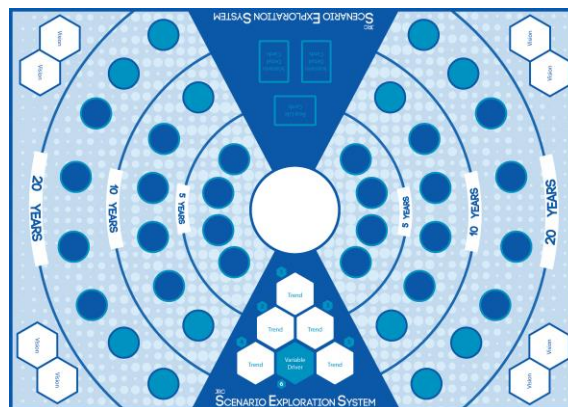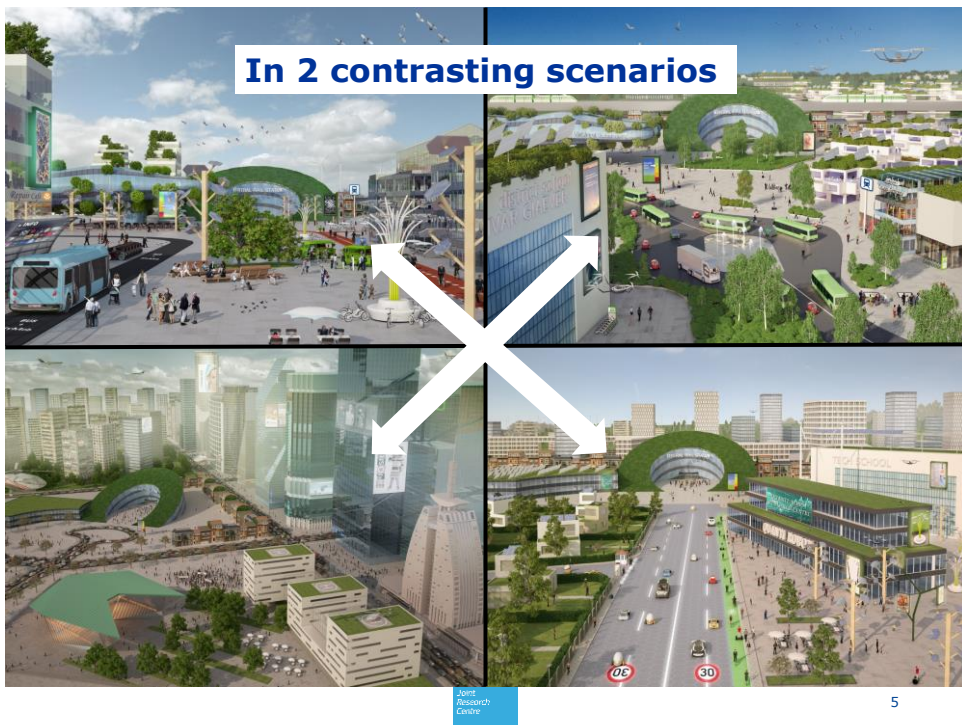
- Innovative approaches

What?

- A tool to help you think differently to get ready for the future

  - Beyond the obvious
  - Systemic
  - Stakeholder relevant
  - Fast

The JRC Scenario Exploration System

A serious gaming platform

1 Game Master

5 Players

In 2 contrasting scenarios

European Commission

How?

> Scenario exploration sessions

> Tailor-made versions of the JRC SES

> Co-design work

> ...

Why?

- ➢ Profound global environmental change

- ➢ Radical re-think needed across the board

- ➢ Must consider the long-term future

- ➢ Need to consider all stakeholders

- ➢ Must be practical and concrete

When & Where? Over to you...

- ➢ The JRC Scenario Exploration System
- ➢ Beyond modelling
- ➢ Enact your future quickly in a complex setting
- ➢ Test ideas
- ➢ Develop your own version
- ➢ ...

Feedback

- 80% of explorers agree the game helped them take a strategic and future oriented perspective

- Strong surprise/learning elements

- "…this event was the most forward looking..."
  (Dir. Policy, Science and R&D, F&D Europe)

- "Many thanks for your support." (EC-DG SANTE)

- "We found it very useful and do want to explore developing one for migration with your help" (OECD)

9

Planned future applications

- Migration at OECD

- Climate change at the KIC Climate

- Mobility and logistics at the VUB (Brussels)

- Local sustainable development (Walloon gov.)

- Teaching the future (Houston, USA)

- Stakeholder engagement on nanotechnologies

- …

10

When & Where? Over to you...

- ➢ The JRC Scenario Exploration System
- ➢ Beyond modelling
- ➢ Enact your future quickly in a complex setting
- ➢ Test ideas
- ➢ Develop your own version
- ➢ ...