

# A “ New Wave”

Prof. Adrian Curaj

WFSF 21<sup>st</sup> WFSF World Conference, Bucharest, 26-28 June 2013

# Outline

- National Challenges
- Going International
- Be Innovative & contribution to the community
- What's next

# National Challenges

- 2005-2006 Foresight on Science and Innovation
- **2009-2011 Future of Higher Education**
- **2012-2013 Foresight on Science and Innovation**

**[www.forhe.ro](http://www.forhe.ro)**

# Going International

- 2007-2009 FutureFood
- **2009-2011 RIFI**
- **2012-2014 VERA**



**FUTUREFOOD6**

FORESIGHT · INDUSTRY · FOOD · FUTURE

UNIVERSITY

PROJECT (#A)

COORDINATOR (#B)

PARTNERS (#C)

FORESIGHT (#D)

LINKS (#E)

CONFERENCE (#F)

<http://www.futurefood6.com/>



## WHAT IS FUTUREFOOD6

FUTUREFOOD6 is a Specific Support Action (SSA) project financed by the European Commission under the Sixth Framework Programme (FP6). It will help to assist the total food chain in Central and Eastern European countries to reach international food and wine quality and safety standards, and in turn, enhance European competitiveness as a whole by developing an industry around food and wine, which is synonymous with safety, diversity, sophistication and products of high quality wine and food.

<http://www.rifi-project.eu>

Calitate si Leadership - Conferi... VERA - Forward Visions on the ... The Project - Research Infra...

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 RESEARCH INFRASTRUCTURES  
**FORESIGHT AND IMPACT**

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### The Project

The RIFI project on "Research Infrastructures: Foresight and Impact" sought to advance impact studies by developing a comprehensive methodological framework for assessing socio-economic impacts of future RI projects on hosting regions and communities.

The Project Consortium was made up of 13 partners from 4 countries and the emphasis on Romanian and Bulgarian participation reflected the interest of the EC to build impact assessment capacity in countries that can benefit from the use of Regional Development funds to create Research Infrastructures (RIs). An External Advisory Board (EAB) has supported the consortium, on request, in regard to specific questions or topics related to the EAB members' expertise.

The project has had a runtime of 27 months, starting with March 2009 and was financed by the 7th Framework Programme under the specific Capacity Programme through the Research Infrastructures specific area.

The final product of the project is the FenRIAM (Foresight enriched RI Impact Assessment Methodology) framework. It integrates and closely analyses the feedback from a practical application of the preliminary version, leading to the final version of the document, which was presented at the RIFI project concluding conference in Bucharest (30-31 May 2011). In FenRIAM the foresight and impact assessment modules are interwoven through an "input-outcome" interface. Success and baseline scenarios feed the Impact Assessment Module for eliciting socio-economic impacts in four domains: science & technology, ecological environment, jobs (work & population) and quality of life. Assessment of the associated risks is also structured in a module. The outcomes of the impact

115%

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**ELI-NP**

**Asks for  
Vision, Commitment  
and Action**





EUROPEAN COMMISSION  
European Research Area

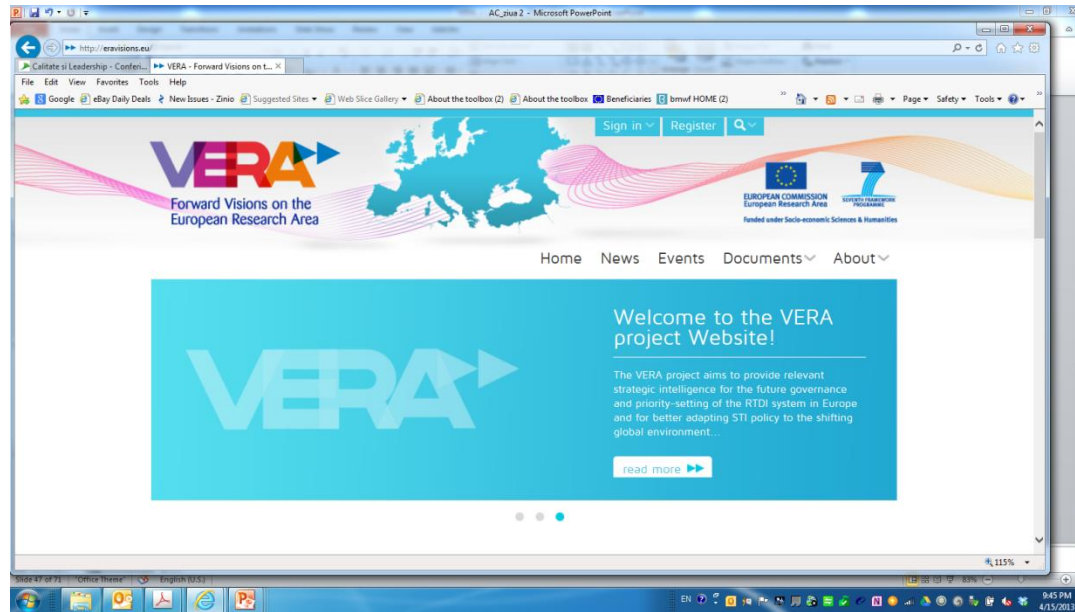


Funded under Socio-economic Sciences & Humanities



Forward Visions on the  
European Research Area

<http://eravisions.eu>





# **Be Innovative & contribution to the community**

- **World Cafe & Cards & Role Playing**
- **Elphi 2.0**
- **Forwiki**
- **Bucharest Dialogues & Crazy Futures**
- **Blueprint of Doing Foresight in Universities**
- **Online foresight training for beginners – IPTS+EFMN**  
[www.prospectiva.ro](http://www.prospectiva.ro)
- **Future of Higher Education-Bologna Researchers Conference;**
- **Eurasian virtual Center - UNIDO**

# Vision „Romanian Higher Education 2025“ Stakeholders contributing to the scenarios

Bucharest, 25-29 January 2010

A one day event for each panel

- 40 stakeholders

- **“World cafe” combined with cards  
and role playing ...innovation**



# ELPHI 2.0 questionnaire

Real- time, Dynamic ranking of policies' impact

Institutiile influentate

Institutiile influentate

Politici propuse

**Universitatea Inovatio**



{ Vizualizati descrierea universitatii }

**Universitatea Regio**



{ Vizualizati descrierea universitatii }

**Universitatea Scientia**



{ Vizualizati descrierea universitatii }

Dezvoltarea, in universitati, de calificari si competente specifice societatii globalizate bazate pe cunoastere <i>{ Detalieri }</i>	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Alegeti una sau mai multe justificaril <input type="checkbox"/> Necesitatea formarii competentelor focalizate pe cercetare-dezvoltare-inovare si promovarea modelelor culturale nationale (42)	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>
Extinderea in universitati a invatarii pe tot parcursul vietii, pentru dobandirea de noi competente si calificari <i>{ Detalieri }</i>	<input checked="" type="checkbox"/> Elaborarea de calificari explicite, diferite pe cele 3 cicluri de studii (11) <input type="checkbox"/> Cei buni, in mod real, produc bunuri-servicii noi; restul mimeaza (2) <input type="checkbox"/> Diplomele universitare vor avea recunoastere internationala (1)	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>
Armonizarea si actualizarea calificarilor si competentelor la cerintele pietei muncii <i>{ Detalieri }</i>	Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>	Impact: <b>Alegeti</b> Justificarea impactului: Alegeti una sau mai multe justificaril Aadaugati aici o alta justificare (optio) <b>Aadaugati</b>



# www.forwiki.eu

- page
- discussion
- view source
- history

## Main Page

### Welcome to the **Foresight Wiki**

60 articles in English

- Clarifications
- Practices
- Narratives
- Repository

### Help

#### Featured article

**Systems Thinking for Foresight** is a tentative to improve the Foresight practice with the introduction of ideas from systems thinking and suggestions of ways to work with systemic models. For the champions of systems thinking, Foresight triggers and is triggered by new situations, which are not solvable decision-problems, but can be recognized in the environment from their inter-linking elements. Causal relations are less significant, leaving many relationships to depend on the behavioral pattern of an appreciator who is also part of the situation. Boundaries become a matter of debate and dialogue, as situations occur dynamically and are never solved. Appreciation is placed in close nexus with anticipation and learning; this relationship is considered fundamental for the capacity to develop coherent narratives about the future. [\(more...\)](#)

#### In the news

The Foresight Wiki was officially launched on April 15th, during the workshop [Jointly Shaping and Launching the Foresight Wiki](#), coordinated by Dr. Philine Warnke.

#### Active projects

Members of the FORwiki Community are invited to constantly check up the [Active Projects](#) page, and state their opinion on the new proposals. Stay active! Develop the platform! Be(e) a visionary!

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**FORwiki**  
bee a visionary

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## Current events

### Current events

[edit](#)

The **Current events** portal presents worldwide events in the field of Future Studies & Foresight. In particular, all the Mutual Learning Workshops organised during the **Quality and Leadership for Romanian Higher Education** project, implementing the concept of **Bucharest Dialogues**, are presented in this section of the **Foresight Wiki**.

Members of the **FORwiki Community** are invited to state their willingness to participate in these events and cooperate for their organizing. If you have an idea for an event that you feel it would be of interest for the Foresight Community of Practice, create a FORwiki page, list it under *On the community's agenda*, and try to create an alliance with other members of the FORwiki Community around it.

### Crazy Foresight

[edit](#)

'Any useful idea about the future', says Jim Dator – considered by many to be grand father of the field – 'should appear to be ridiculous'. Why? Because much of the future is going to be totally novel and has not been currently or previously experienced. Thus, anything useful that one can say about the future would appear to most people as quite crazy. Dator goes on to state, in his Seventh Law of Futures, that 'if futurists expect to be useful, they should expect to be ridiculed and for their ideas initially to be rejected'. In a slightly different vein, Sardar's First Law of Futures Studies states that 'futures studies are wicked'. They are wicked because they deal with 'wicked problems' which are by nature complex, chaotic, interconnected with in-built contradictions and uncertainty. But futures studies are also 'wicked' in the sense that they are playfully open ended (like a 'scientific' discipline they do not offer a single solution but many possibilities). Their boundaries, such as they are, are

### Past events

[edit](#)

- [Workshop: Systems Thinking for Foresight, Bucharest \(Romania\), September 23rd - 25th, 2009](#)
- [Workshop: Scenario Building in Higher Education, Bucharest \(Romania\), October 30th - November 1st, 2009](#)
- [Jointly Shaping and Leading the Foresight Wiki, Bucharest \(Romania\), April 14th - 16th, 2010](#)
- [Workshop: Integrating Futures Methodologies, Bucharest \(Romania\), June 9th - 11th, 2010](#)
- [1st Country Higher Education: Leadership, Innovation and Human Capital Development - Euro-Atlantic, Black Sea and Caspian Sea Area Studies, Bucharest \(Romania\), July 8th - 10th, 2010](#)
- [Workshop: Foresight in the University, Bucharest \(Romania\), September 29th - October 1st, 2010.](#)
- [Workshop: Expert Knowledge, Prediction, Forecasting: A Social Sciences Perspective, Bucharest \(Romania\), November 19th - 21st, 2010](#)
- [Workshop: Collaborative Methods for Foresight: Delphi, Scenarios, and Models, Bucharest \(Romania\), April 13th - 15th, 2011](#)
- [Workshop: Vision Building, Bucharest \(Romania\), May 3rd-4th, 2011](#)
- [Workshop: Background Research for Scenario Building: Economic Clusters, Knowledge Economy and Development Strategies, Bucharest \(Romania\), May 27th - 29th, 2011](#)

### In preparation

[edit](#)

Bucharest Dialogues



- Workshop: Systems Thinking for Foresight, Bucharest (Romania), September 2009
- Workshop: Scenario Building in Higher Education, Bucharest (Romania), October 2009
- Workshop: Jointly Shaping and Launching the Foresight Wiki, April 2010
- Workshop: Integrating Futures Methodologies, Bucharest, June 2010
- Workshop: 21st Century Higher Education: Leadership, Innovation and Human Capital Development - Euro-Atlantic, Black Sea and Caspian Sea Area Studies, July 2010
- Workshop: Foresight in the University, Bucharest, September 2010.
- Workshop: Expert Knowledge, Prediction, Forecasting: A Social Sciences Perspective, November 2010
- Workshop: Collaborative Methods for Foresight: Delphi, Scenarios, and Models, April 2011
- Workshop: Vision Building, May 2011
- Workshop: Background Research for Scenario Building: Economic Clusters, Knowledge Economy and Development Strategies, May 2011
- Workshop: **Crazy Futures, June 2011**
- Workshop: Trans-national Foresight for a Black Sea Higher Education Area, September 2011
- Workshop: Strategic Intelligence for Extended Regional Coherence, August 2011

# Blueprint of Doing Foresight in Universities

<http://edu2025.ro/UserFiles/File/The%20FOR-UNI%20Blueprint.pdf>

EXECUTIVE AGENCY FOR HIGHER EDUCATION AND RESEARCH  
FUNDING – ROMANIA

## THE FOR-UNI BLUEPRINT

A Blueprint for Organizing Foresight in Universities

Coordinator:  
ADRIAN CURAJ



EDITURA ACADEMIEI ROMÂNE  
THE PUBLISHING HOUSE OF THE ROMANIAN ACADEMY  
Bucharest, 2010

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# **“Innovation” and Creating new capabilities**

*Inputs for HE Policies, Bologna Ministerial Conference:*

*FoHE – Bologna Researches Conference:*

***“Future of Higher Education- Bologna Researchers Conference” 2011***





# What's next

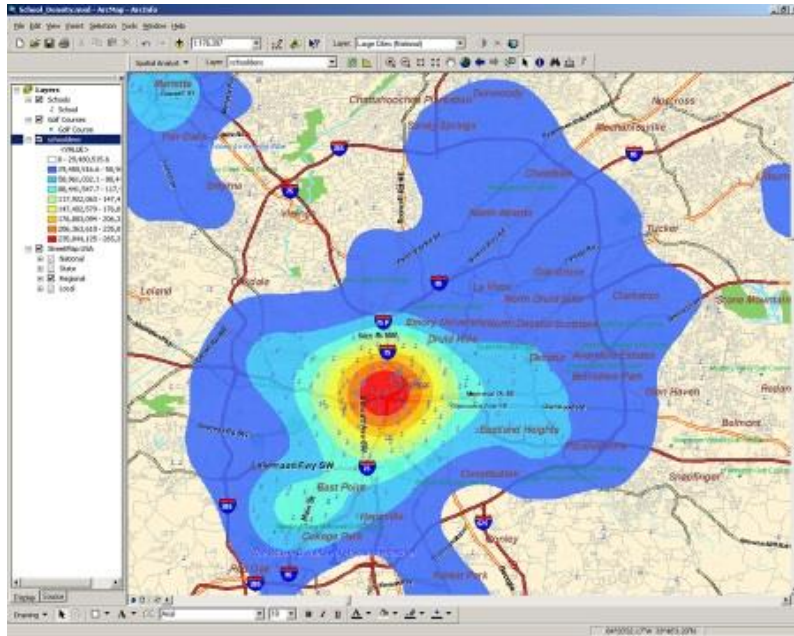
- Knowledge Maps  
BigData for Future studies / Future Studies for BigData;
- Observatory of Professions
- A new contribution to the community

# Knowledge Maps

## data integration and visualization;

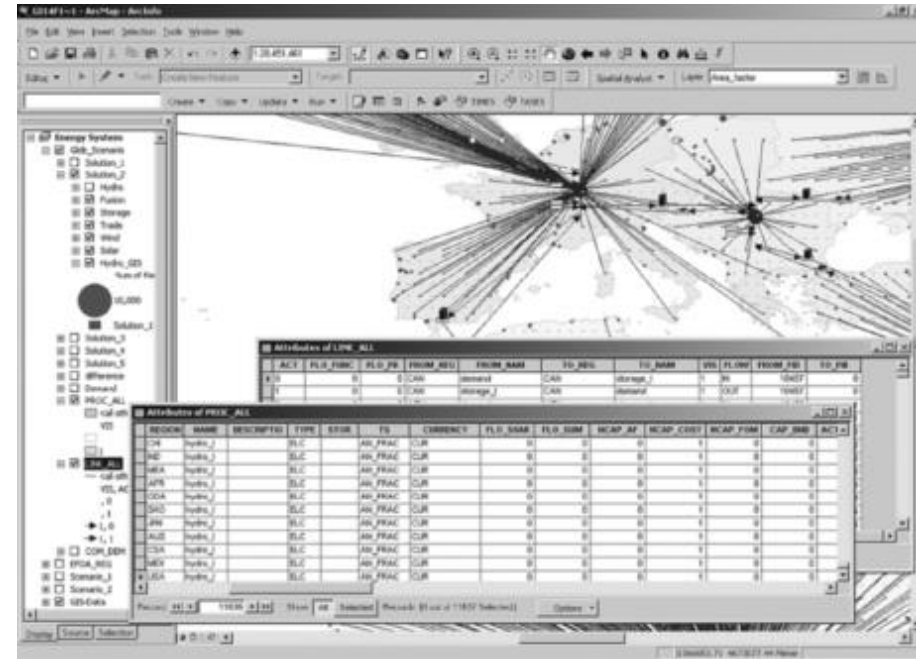
## network analysis

**GIS**

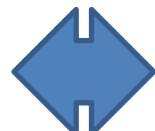


**Hot spots**

**Network analyses**



**Links**





# FORwiki

bee a visionary

*Be a visionary and innovate!*

[www.forhe.ro](http://www.forhe.ro)

**Thank you!**