

# CIVISTI



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## Aims, method and results

*Workshop “Foresight in public research organisations”*

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For the CIVISTI-Consortium

**PD DI Dr. Mahshid Sotoudeh**

Institute of Technology Assessment

Austrian Academy of Sciences



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## Blue Sky Research

EU Commission call 2007:

- Policy-relevant insight into broad range of issues on science and other policy areas
  - Emerging / Barely visible on the "policy radar"
  - Potential far-reaching implications
  - Input to preparation of 8th Framework Programme
- Method innovation and risk-taking

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## CIVISTI Consortium

- The Danish Board of Technology – Denmark
- National Consumer Research Centre – Finland
- Institute Society and Technology – Flanders
- Malta Council for Science and Technology - Malta
- Applied Research and Communication Fund – Bulgaria
- Medián opinion and Market Research Institute – Hungary
- Austrian Academy of Sciences; Institute of Technology Assessment - Austria

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## CIVISTI in short

- **CIVISTI** gave citizens from 7 EU Member States an opportunity to define and communicate their visions of the future, and
- Transform these into relevant long-term STI issues

### Objectives were to

- Produce a list of **new and emerging issues** for EU S&T
- Produce **policy options** of relevance to future FPs
- Base this on a **novel process of citizen participation**, supported by analytical capacity of experts/stakeholders



## Participatory demand-side foresight



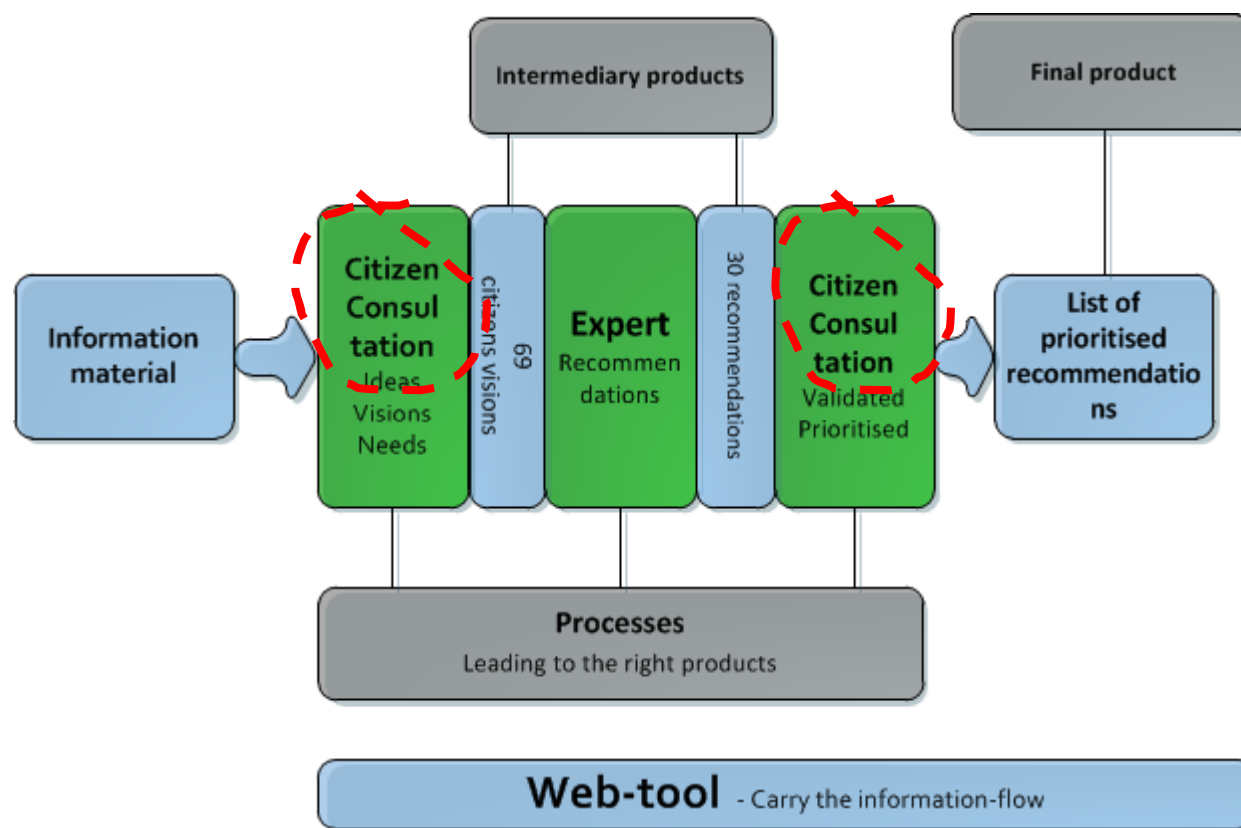
**CIVISTI** is part of the development towards better forward-looking strategic thinking.

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Citizen Visions on Science  
Technology and Innovation

## CIVISTI method design





## Results part 1 – Citizens visions

- 69 visions for Europe – made by 164 citizens in 7 EU countries
- Vision characteristics
  - Holistic
  - Multi thematic
  - Interdisciplinary

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## Results part 1 – topics in citizens visions

- 1. Ageing
- 2. Agrifood technologies, organic production
- 3. Animals and ecosystems
- 4. Citizens' role and democracy
- 5. Climate and global warming
- 6. Creativity and innovation
- 7. Demography
- 8. Developing countries
- 9. Disasters (natural and technological)
- 10. Education and learning
- 11. Employment and new modes of work
- 12. Energy
- 13. Environmental awareness
- 14. Equality - gender, minorities, disabled, ethnic
- 15. Family values
- 16. Genetics
- 17. Healthcare and medical services
- 18. ICT, automation and artificial intelligence
- 19. Identity (national and EU)
- 20. Infrastructure and urban design
- 21. Legislation
- 22. Linguistic technologies
- 23. Local and regional development
- 24. Multi-cultural and multi-lingual society
- 25. Pension policy
- 26. Quality of life and life style
- 27. R&D policy
- 28. Reducing bureaucracy
- 29. Religion
- 30. Role of media
- 31. Smart materials
- 32. Social care and services
- 33. Space technology
- 34. Transport
- 35. War and peace
- 36. Waste management
- 37. Water management



## Results part 1 – most frequent topics

- Healthcare and medical services

*Vision: Europe as a welfare state*

- Education and learning

*Vision: Holistic Education*

- ICT, automation and artificial intelligence

*Vision: Mass communication replaced by masses communicating*

## Results part 1 – most frequent topics

- Legislation

*Vision: Simplification. Easier structures by 2040  
(less laws and rules)*

- Quality of life and life style

*Vision: Favouring Ecological Lifestyle*

## Results part 1 – most frequent topics

- Employment and new modes of work

*Vision: A happy day – Tuesday, 16th April 2045.  
(people work 4 days a week, unemployment rate  
is under 2% in the EU)*

- Energy

*Vision: Apparatus for Conversion of Energy –  
Using Water Pressure*

## The life of a recommendation: CC1-Visions

**For example:**

### **Environmentally sound transportation throughout Europe**

- A change of attitudes towards transportation and means of transportation
- Development and promotion of many environment friendly means of transportation
- Better infrastructure for public transport

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## The life of a recommendation: Expert workshop

**Promote technical and social innovations that can enhance people's access to and use of public transportation**

- Environmentally sound public transportation through an intelligent and interactive network, covering and integrating local and trans-national travel
- High scores on innovation level, importance and timing

## The life of a recommendation: CC2

Very positive validation on the three criteria: faithfulness, effectiveness and desirability

- Strength: increased realism → strengthened the vision
- Weakness: but on cost of the holistic approach – attitudes+systems

## Results part 2 - recommendations

- Recommendations developed by a group of 18 experts and stakeholders
- More than 100 short recommendations
- 30 recommendations selected and developed further to the final list of recommendations



## Results part 2 - recommendations

- About 1/3 policies and 2/3 research issues / agendas
- A lot of diversity in the recommendations
- Many recommendations relate to some of today's grand challenges: Ageing society; Sustainable energy production and transport; environment and climate; supply and quality of water and food
- Focus on democracy and citizen participation
- Blue sky issues: E.g. Avatars; worldwide space research; immigrants and refugees appreciation; human machine interface





## Citizens Votes

1. Attractive public transportation (Rec nr. 18)
2. Decentralised energy (Rec nr. 5)
3. Re-appropriate countryside (Rec nr. 24)
4. Tools for disabled people (Rec nr. 2)
4. European eco-cities (Rec nr. 9)
6. Social innovation for ageing society (Rec nr. 17)
7. Direct democracy through e-voting (Rec nr. 12)
8. Develop effective urban infrastructure (Rec nr. 26)
9. Policies towards immigrants and refugees (Rec nr. 21)
10. Dignity in the dying process (Rec nr. 1)
10. Plants for extreme weather (Rec nr. 20)

# Comparison of citizens and experts votes

## 1. Attractive public transportation (R18)

## 2. Decentralised energy (R5)

3. Re-appropriate countryside (R24)

## 4. Tools for disabled people (R2)

## 4. European eco-cities (R9)

6. Social innovation for ageing society (R17)

7. Direct democracy through e-voting (R12)

8. Develop effective urban infrastructure (R26)

9. Policies towards immigrants and refugees (R21)

10. Dignity in the dying process (R1)

10. Plants for extreme weather (R20)

## 1. Attractive public transportation (R18)

1. Innovations in participation (R16)

## 3. European eco-cities (R9)

3. Recycling complex materials (R11)

5. Ethics of 'bionic' production (R8)

## 6. Tools for disabled people (R2)

## 6. Decentralised energy (R5)

6. Platform for research in future of work (R6)

6. Organic CAP (R10)

6. Sofia as an eco-model (R14)

## Citizens validation of recommendations

- Difficult to translate holistic citizen visions into concrete policy recommendations
- Citizens say: Most recommendations only partly support the realisation of the visions
- Recommendations are still relevant, attractive and rooted in the visions of citizens

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## Direct impact:

- CIVISTI recommendations are direct input for European research policy
- CIVISTI provides an innovative approach for information exchange with citizens for European research policy

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## Advancing CIVISTI lessons learned

- Keep the attention of the citizens panels (time span between consultations)
- Great amount of translation in the process (English and national languages/between experts and citizens)
- Broad scope of CIVISTI

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## Advancing CIVISTI: CIVISTI in the future

- CIVISTI method as a standard
- Exploring the experience of CIVISTI in thematically areas, business area, at national/regional level,...
- Experimenting with a fast track CIVISTI, different vision creation process, comparison of different social/cultural backgrounds,...

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## Information:

<http://www.civisti.org/>



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