Citizen observatories: The WeSenseIt Vision

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Content

• Classification of citizen observatories
• The WeSenseIt vision for citizen observatories of water
• Realising the vision: challenges
• Conclusions
CLASSIFICATION OF CITIZEN OBSERVATORIES
What is a citizen observatory?
Classification dimensions

1. Sensors & transmission
2. Stakeholders
3. Application area
4. Purpose of citizen obs.
5. Integration/complementarity

1. Measures
2. Implementation type
3. Communication paradigm & mechanisms
4. Citizen participation in governance processes
WESENSEIT VISION FOR CITIZEN OBSERVATORIES OF WATER
Partners & Case Studies

- Doncaster
- Delfland
- Vicenza
WeSenseIt spheres
Citizen participation in governance processes

Communications paradigm

Implementation

Measures

Integration

Purpose of citizen observatory

Area of application

Stakeholders

Sensors & transmission
REALISING THE VISION: CHALLENGES
Challenges

• **Vision for citizen observatories**: comprehensive, adaptive

• **Physical sensors**: *dynamic, networked, ubiquitous, low cost, easy-to-use sensors*

• **Social sensors**: capturing meaningful data from explicit/implicit social sensing

• **Models**: integration of heterogeneous, noisy data; dynamic calibration of models
Challenges (2)

• **Communication paradigm**: combination of communication mechanisms

• **Stakeholder engagement**: participatory approach; provide added value; manage expectations

• **Governance**: match technological potential for participation with actual governance context & dynamics

• **Case studies**: tailor citizen observatories to cultural setting, community needs and priorities
Conclusions

WeSenseIt citizen observatories:
• advanced types of citizen observatories;
• *information ecosystem* for communities and citizens, emergency operators & policymakers;

Classification scheme:
• useful for conceptual design & comparison of citizen observatories;
• vision of possibilities for citizen observatories
Thank you for your attention

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