

Social Technologies for Developing Collective Intelligence in Networked Society

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Motives

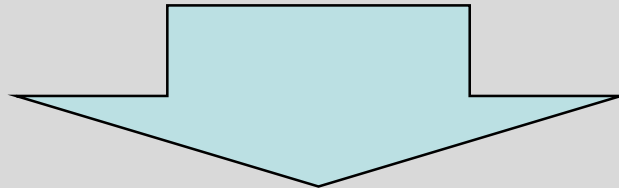
- Europe 2020 strategy and Digital Agenda for EU – towards smart and inclusive European development based on ICT technologies
- SocTech – influence on policies and driving of economic and societal changes
- Internet design societies – expansion of decentralized and distributed on-line networks
- Emergence of intelligent activities in networks

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Scope

- how to take advantage of possibilities of CI emergence to tackle societal challenges?
- how social technologies could contribute to the development of smart and inclusive society?



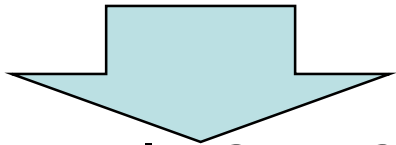
- to propose a set of criteria for measuring Collective intelligence in networked platforms (virtual CI systems)

The Context for Development of Networked Community Projects in Lithuania

- widespread and availability of the internet – RAIN I and RAIN II
- Low level of civic engagement
- Growing number of socially oriented on-line community platforms (*manobalsas.lt* (My Voice Lt), *manoseimas.lt* (My Parliament), *ivote.lt*, *Aš Lietuvai.lt* (I for Lithuania), *Lietuva2.0.lt* (*Lithuania2.0*) etc.
- Survey (November – December 2013, Statistically reliable sample of 1022 respondents)

The Context for Development of Networked Community Projects in Lithuania

- 44 % use internet every day, 20 % – at least once a week.
- 61 percent of frequent internet users surf different virtual communication networks



- only 2 to 6 percent of them participate in public issues oriented virtual activities
- only 7 percent of frequent internet users join virtual community projects focused on tackling societal problems

CI Index Model

CI Index

Capacity for potential
CI
Index

Social Orientation Index

Performance Index

Dimensions

Capacity for creativity and generating knowledge

Capacity for exchanging ideas, information, knowledge

Capacity for decision making and self-organisation

Capacity for providing cyber security in networks (privacy and legal issues)

Monitoring of social problems

Maturity of social orientation

Social motivation of projects initiators and participants

Intensity of social impact on society

Intensity of civic engagement

Intensity of activities resulting from generating new ideas



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Conclusions and Challenges

- The methodology will allow to identify and analyze conditions that lead communities to become more collective intelligent
- How technologies could help to structure the information, purify the positions, reconcile different opinions and formulate the real society voice
- How existing social technology parameters might help platform developers to create new IT based applications fostering self-organization, collective decision making and learning

THANK YOU