

- Visegrad Fund
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InStep Project[©] - Webinar

November 16, 2018

Overview:

- 1. Presentation: Influence of social factor in successful implementation of innovations in sustainable district renovation**
- 2. Project agenda:**
 - a) Activities / Project Timetable**
 - b) Measurable deliverables**

1. Presentation

Education

Curricula

Sustainability

Healthy environment

Energy efficiency

(Street) Heating Cooling Building envelope

Water management

Waste management

Land use

Recycling

Energy poverty

Urban planning

Traffic

Civic participation

Solidarity

Responsibility

Community feeling

Smart city

Demand Side Management (smart meters)

Win-Win economy

Sharing

Block-chain technology

Ventilation Lighting

Quality of life

Acoustics

Public transportation

1. Presentation

- **Democratization of energy sector** is a continuous process in Western EU for decades already, while this process is only getting started in most Eastern EU countries
- While Europe Union is aiming for an **integrated energy market** that is competitive, transparent, secure and independent from fossil fuels, it is vital that these emerging CE RES possibilities in Eastern EU are given a **strategic and practical boost**, for the shared energy market to work and deliver its benefits (general lack of CE RES initiatives in Eastern EU)
- It has been identified that local communities in Eastern Europe often refuse RES projects initiated without their knowledge/approval, because such projects are often seen as “harnessing” of subsidies for RES, paid by all citizens through RES taxes, to predominantly large domestic or hidden foreign investors.

1. Presentation

- Currently we are facing a technological leap in availability and affordability of community scale RES technologies.
- The opportunity to produce energy locally, as well as to change ownership structure and energy use behaviour is significant.
- Enabling the connection of communities to energy production and distribution is key to unlock this vast renewable energy deployment potential.

Community Energy from RES =

- **less carbon intensive energy** through renewable energy production
- **increased energy security** within a community energy system context

1. Presentation

- Renewable energy sources (RES) are:
 - by nature decentralized and as such can represent a challenge for integration into our present energy systems;
 - better suited to dispersed settlement patterns
- The combination of available and affordable smart technologies (e.g. block-chain technology) for RES utilization has the potential to revolutionize the energy systems

1. Presentation

- Implementing CE RES requires demanding work with the local population, their representatives, as well as operators of existing networks

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Planning from the bottom in synergy with the local community (street, village, settlement)

- It is extremely important that all actors understand the proposed system as their own and actively participate in it.

1. Presentation

- In order to manage the upcoming challenges it is important that the planners are:
 - Able to mobilize **own communication capacities**
 - **Responsive and sensitive** to the demands of citizens
 - Able to **democratically promote solutions** for the preservation and improving the quality of the environment



PLANNING WITH COMMUNE

1. Presentation – Planning with commune

- **Successful development plan:**
 - Must be thought long term
 - A clear picture of future development, but with objectives that allow a wide variety of solutions
 - Requires time for extensive open discussion, willingness to learn and apply new ideas and innovations
 - Requires intense engagement of citizens in planning and implementation as well, whereas private measures are key

Colorful, big design plans help little !

(in case they are not based on real communication with and engagement of citizens)

- Development \neq more . . . development = better

2. a) Activities / Project Timetable

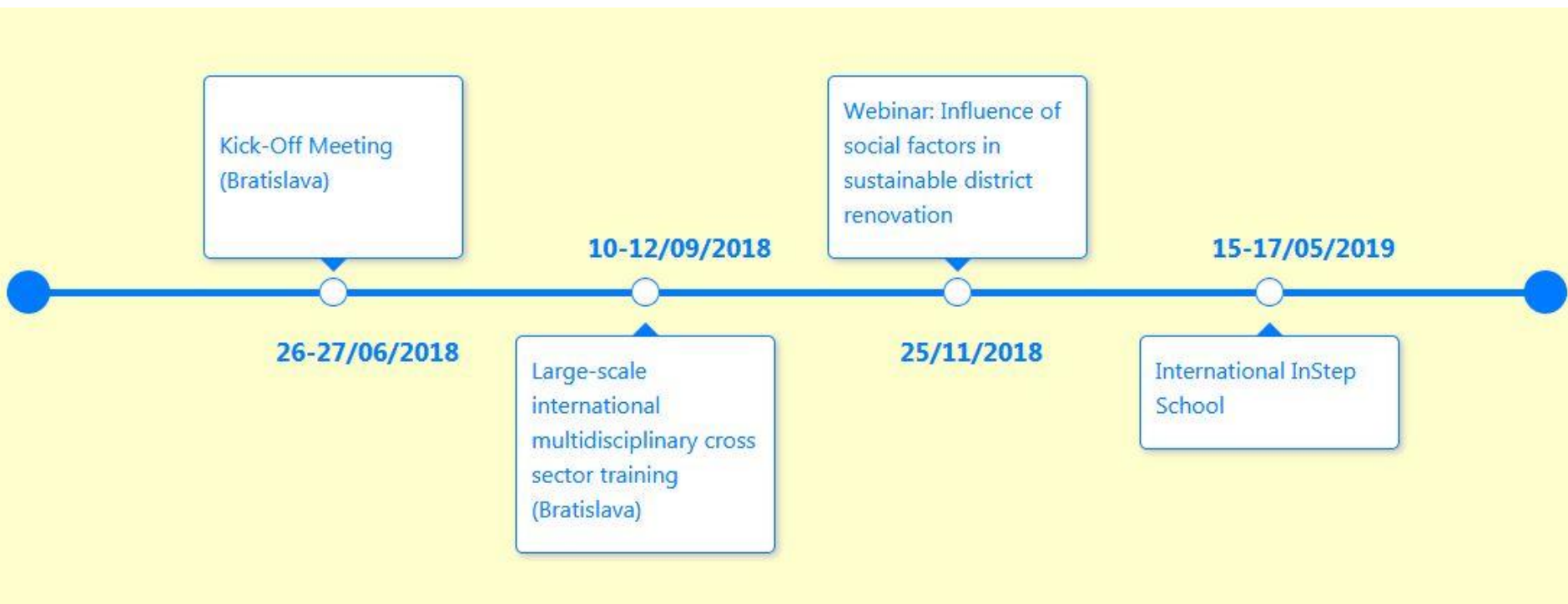
- **Kick-Off Meeting**
 - 5 x 1 teacher + 2 communal representatives
- **Event 1 - Large Scale International Training**
 - 5x2 teachers + 5x5 students
- **Webinar**
- **Event 2 - International InStep School**
 - 5x1 teacher + 5x3 students
- **Network of trainers**

2. a) Activities / Project Timetable

Case studies:

- Revitalization of Obchodná ulica (Merchant street) in the quality of smart city / street (architecture, traffic, sociology / generation problem + communication with inhabitants (monitoring) ...)
- Malacky – district revitalization

2.a) Activities / Project Timetable



2.b) Measurable deliverables - publications

- **Event 1:**
 - Complex cooperation = methodological materials for training
 - Road-map for social adapted sustainable revitalization = Recommendations and strategies for bottom-up urban planning
- **Event 2:**
 - Sketch Album on Revitalization of Urban Districts = Presentations of case studies
- **Overarching:**
 - Educational Package (*EduPack*) = Modules incorporating the interdisciplinary aspects of sustainable urban development into the units of learning outcomes + Curriculum of a joint study subject

2.b) Measurable indicators required by IVF

- **Network of teachers**
 - How many from which universities? Who is benefiting?
What are the activities / actions / initiatives of the network?
- **Capacity building of teachers**
 - test or questionnaire to find out if the training was successful, if they are ready to spread the knowledge

Thank you for your attention!