

International Brokerage Event  
Brussels, 26-27/10/2017



*University of Ljubljana*



***University of Ljubljana  
Faculty of Architecture***

***dr. Špela Verovšek  
(research fellow)  
spela.verovsek@fa.uni-lj.si***

# Description of the Organization



**University of Ljubljana** is a public autonomous educational, scientific research and artistic institution with a very rich tradition. It is the oldest and the biggest university in Slovenia. It was established in 1919 and it encompasses 26 full faculty members.

There is over 286 research groups with over 3000 registered researchers at the University of Ljubljana

**The Faculty of Architecture** was established in 1920 as an integral part of the University of Ljubljana. The Faculty of architecture in Ljubljana is generally considered one of the best Central European schools of architecture. The faculty offers academic education and professional research in architecture, urbanism and design. The faculty is today part of the international university and research network

# Description of the Organization



Through recent years Faculty of Architecture have coordinated and participated in several national and European projects, e.g.

- FP7 ITN / **ADAPT-r** - Architecture, Design and Art Practice Training - Research / PITN-GA -2012- 317325, grant agreement no 317325 / <http://adapt-r.eu/>, 1.1.2013-31.12.2016
- SEE / **ATRIUM** - Architecture of Totalitarian regimes of the XX° Century in urban management / SEE/B/0009/4.3/X / <http://www.atrium-see.eu/>, 1.1.2011-30.10.2013
- **The state of European cities in transition** (The United Nations Human Settlements Programme – UN-HABITAT): 2011
- **Future Cities** / program: LLL (VŽU), Erasmus / koordinator: TU Berlin / koordinator na FA: doc. dr. Alenka Fikfak / 2013 (Venice Case Studies), 2014, 2015
- **ARCHI21** - EU LLP Transversal Programme: ARCHI21 Architectural and Design based Education and Practice through Content & Language Integrated Learning using Immersive Virtual environments (2010-2012);
- L5-4319/ARRS/ **SAFETY OF PASSIVE HOUSES SUBJECTED TO EARTHQUAKE**; 1.7.2011—30.6.2013
- **eLEARNING** / EAC/26/04 AT003 (20045130/001 ELE ELEB12) /ADM / **VIPA** – Virtual Campus of Virtual Space Design Provided for European Architects / [vipa.adm.at](http://vipa.adm.at), 1.2.2005-31.3.2007
- ...for more see also <http://www.fa.uni-lj.si/default.asp?id=24223>

# Description of the your research interest



Our team represents the research and academic entity within the Faculty of Architecture. Our research interests and experiences encompass topics related to:

- architecture/urban design,
- sustainability in built environment,
- cultural heritage,
- energy efficient buildings,
- assessment of the sustainability through indicators of the built environments
- experiences with education in virtual environments,
- urban and educational labs
- connecting architecture with ICT-supported instruments for achieving greater participation and involvement in spatial decision-making.

- Smart and Sustainable Cities (*old; H2020-SCC-2016-2017*);
- Developing a smart citizen- centred energy system, including Smart Cities and Communities (*new; H2020-?-2018-2020*)
- Exploring and supporting citizen science (*new; H2020-?-2018-2020*)

## PROJECT IDEA:

# FROM PASSIVE HOUSE TO ACTIVE NEIGHBORHOOD - assesing the sustainability performance of neighbourhods -

- **Main goal:** to establish a data-based system to support decisions in urban renewal
- **Important objectives:**
  - to shift the focus from **energy-centered concerns** towards improving efficiency and rational management of **other local resources** (social, spatial, natural, energy, human etc.)
  - to shift from **building-centered** concerns towards **neighborhood-scaled** efficiencies and capacities
- **Expected results:**
  - flexible and modular system of criteria and indicators that capture „sustainability performance“ at the neighborhood level
  - solid data-driven foundation for monitoring, comparison, further actions and interventions

- Smart and Sustainable Cities (*old; H2020-SCC-2016-2017*);
- Developing a smart citizen- centred energy system, including Smart Cities and Communities (*new; H2020-?-2018-2020*)
- Exploring and supporting citizen science (*new; H2020-?-2018-2020*)

## PROJECT IDEA:

### FROM PASSIVE HOUSE TO ACTIVE NEIGHBORHOOD

- assesing the sustainability performance of neighbourhods -

The project shall be simultaneously followed by **two horizontal objectives** that refer to:

- examination of accessibility, availability of the existing indicators/data and the possibility of using ICT-solutions for the purpose of gathering information from the neighbourhoods' inhabitants – e.g. *crowdsourcing*;
- the potential adjustment of the system of indicators for the purpose of activating/ informing/ educating a group and individuals about the efficiency of their neighbourhoods, key assessment parameters and courses of actions.

# Consortium - required partners



No	Expertise	Type	Country	Role in the project
01	architecture/ urban planning	RTD	Slovenia	partner or coordinator + front-runner' city
02	architecture/ urban planning	RTD	MS and/or AC	partner or coordinator + front-runner' city
03	urban planning, geography	RTD	MS and/or AC	partner or coordinator + front-runner' city
04	ICT support	SME/ RTD	MS and/or AC	partner
05	crowd-sourcing, data mining, big data	SME/ RTD	MS and/or AC	partner
06	architecture/ urban planning/geography	RTD	NON- MS or AC	partner + 'follower' city
07	citizens science and participation	SME/ RTD	MS and/or AC	Partner + 'follower' city
08	...			

# dr. Špela Verovšek, research fellow

University of Ljubljana

Faculty of Architecture

Slovenia

+39641339323

*spela.verovsek@fa.uni-lj.si*

**SICRIS:**

[http://www.sicris.si/public/jgm/search\\_basic.aspx?lang=eng&opt=2&subopt=1&opdescr=search&code1=c  
mn&code2=auto&search\\_term=%C5%A0PELA%20VEROV%C5%A0EK](http://www.sicris.si/public/jgm/search_basic.aspx?lang=eng&opt=2&subopt=1&opdescr=search&code1=c<br/>mn&code2=auto&search_term=%C5%A0PELA%20VEROV%C5%A0EK)