



# The Smartpolis Project

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smartpolis  
Smart City Centre of Excellence

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# 1. Smartpolis project

- **EU- H2020 WIDESPREAD Teaming call**
  - **Two phase proposal**
  - **Fist phase : winner**
  - **Second phase: submission date : 15.11.2018**
  - **The only participant in the Second phase from Hungary**
  - **The goal is to establish a regional center of excellence for smart cities**
- **Typical teaming project**
  - **Works as joint venture with a long term horizon of cooperation**
  - **Involves two core parties**
    - **Institutions of research and innovation excellence: Fraunhofer Fokus, Urban Institute- Germany**
    - **Participant organisations from a lower performing Member State  
Budapest University of Technology and Economics ( BME ),  
Hungarian Intellectual Property Office ( HIPO )**

## 2. Project partners

- **Western partners:**

- Fraunhofer Fokus
- Urban Institute
  - support the Eastern partners with their know-how, expertise in launching & operating R&D institutions, centres of excellences, providing their best practices, benchmarks, as well as sharing partner relationships



- **Eastern partners**

- HIPO consortium leader and BME
- Accumulate & further improve the knowledge
- Establish a centre of excellence



Hungarian  
Patent  
Office



## 3. Strategic objectives

- **Overall goal:**
  - **Establish the Budapest Centre of Excellence for Smart Cities**
    - TO
      - **strengthen the research and innovation capabilities of BME**
      - **become an incubator of smart city concepts and solutions in the region**
    - BY
      - **Knowledge transfer from the Western partners**
      - **Available knowledge at the Eastern partners**

### **3. Strategic objectives**

- **Create a CEE regional network- 2-3 in Hungary and 1-1 in the countries of the CEE region.**
- **Knowledge transfer from the western consortium partners**
- **Establish industrial co-operations**
- **Focus on European Innovation Partnership (EIP ) smart city activities & programmes**

## **3. Strategic objectives**

- **Increase CEE region scientific capabilities**
- **Accelerate Smart City activities**
- **Provide education & training**
- **Attain high level of international visibility**
- **Deliver advisory & implementation services**

## **4. Current activities of the Smartpolis project**

- **Participating in different research projects in the Horizon 2020 program**
- **Advisory and implementation role**
- **Elaboration of the strategies for small cities.**
- **Industrial cooperation with multinational companies.**
- **RECAR research program for Autonomous Road vehicle**



## **4. Current activities of the Smartpolis project**

- **Education and training activities in the field of Smart Cities - co-operation with National University of Public Services (NKE)**
- **Offering the R&D results to cities.**
- **SensoHUB a universal IoT system**
- **Different smart city solutions: security, support**
- **Support for the elderly people**

## **4. Current activities of the Smartpolis project**

- **The Smartpolis Knowledge Centre has been set up in 2017**
- **One main task of the Centre is the preparation of the second phase proposal and the successful submission**
- **Important element is the setting up of the regional smart city network**
- **We already established the Smart City Forum in Hungary in 2014. There are more than 50 members , among them are municipalities and their associations , companies, and universities**

## 4. Current activities of the Smartpolis project

### Smart City Forum for the CEE countries

- On the 3rd of May – The Smart City Forum for Central and Eastern European Countries – has been established in Budapest
- Information: <http://smartpolis.eit.bme.hu>
- Currently eight countries more than 20 organizations joined the initiative
- The goal is to help closing the gap between the developed and and the CEE regions
- It would be useful if the V4 countries would rely on this initiative
- Similar Forum are in operation in the Western countries called: 6-Nations Smart City Forum
- It can be a model for us. They support our initiative.

## Members of the CEE Smart City Forum

- **Politehnica University of Timisoara, Romania**
- **Faculty of Economics University of Novy Sad, Serbia**
- **Romanian Smart City Association**
- **CITYONE Czech Rep.**
- **EY Czech Rep.**
- **Urban Software Institute GmbH**
- **Freeway Technologies-Slovakia**
- **e-zavod Slovenia**
- **Smart Cities Klub Slovakia**
- **EDC Debrecen**
- **Szeged város**
- **Szegedi Tudományegyetem**
- **Debreceni Egyetem**
- **BME**
- **Telecom - Bulgaria**

# Main activities of the CEE Smart City Forum

- Represent the region to the EU
- Introduce the results and the challenges of the region toward the EIP
- Help the transfer of the best practices
- Provide information of the smart city state of the art of the region
- Inform the members of the Forum about the activities of the EIP
- Provide market information
- Help to find partners of the H2020 calls
- Gives information of the new technical solutions
- Provide information of conferences, webinars, workshops etc.

## **4. Current activities of the Smartpolis project**

**Potential V4 projects**

**Smart City Index**

**The goal of the Smart City index are as follows:**

- **Identify the key development areas**
- **Progress report of Smart City projects**
- **Analysis of the the effect of smart city projects**
- **Self evaluation possibilities for the cities**
- **The index made by EY – Czech Republic**
- **Operated by : BME- Smartpolis project**

## **4. Current activities of the Smartpolis project**

### **Potential V4 projects**

### **Smart City Model**

**The goal is to elaborate the Small City Model :**

- The model is the EIP Small Giant project - for small and medium cities**
- We elaborated In Hungary a strategy and implementation solutions for the city of Kiskőrös**
- The objective this activity is to work out such a pilot project which can be implemented to other small and medium size cities**
- Our intention is that the Hungarian Presidency would propose the V4 countries as an important project**

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**Thank you for your attention!**