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REPUBLIC OF SLOVENIA
MINISTRY OF ECONOMIC DEVELOPMENT
AND TECHNOLOGY

About the partnership SRIP PMiS

SRIP Smart Cities & Communities

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Horizontal ICT network

Web portal for Smart cities and communities

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- Prototype content presentation approach
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Web component: Solution marketplace

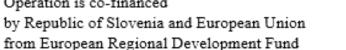
About

Operation is co-financed

- Search engine
- Functionalities













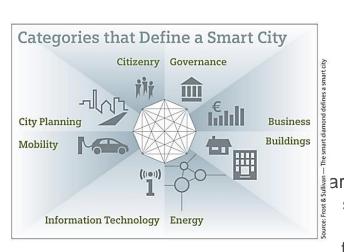
About the partnership SRIP PMiS

SRIP: Strategic Research and Innovation Partnership

PMiS: Pametna mesta in skupnosti (eng. Smart Cities and Communities)

The mission

SRIP Smart cities and communities will create and support synergies between business and research in developing and selling new solutions and products for improving the quality of life in the cities of the future.

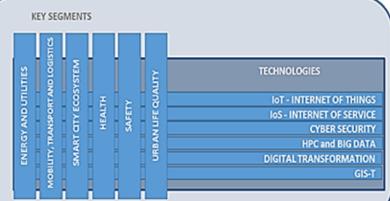


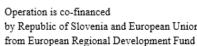
The staff of arround 1.000 specialize in research in fundamental natural sciences.



What does it offer?

We will build support environment with professional services for industry and research, concentrating on proved new top technologies, which will integrate and upgrade existing Slovenian research and innovation achievements.







Industrial verticals



6 industrial verticals

- ☐ Health
- ☐ Energy and utilities
- ☐ Mobility, transport and logistics
- □ Security
- Smart city ecosystem
- ☐ Urban life quality

The vision

The vision of partnership between the verticals in SRIP Smart Cities and Communities is to establish a globally recognised ecosystem of partners, permanently synergistically enhancing and linking their competence, as well as offering adequate capacities for R&D, production and marketing of globally competitive innovative high-tech solutions in all aspects of Smart cities and communities.







Horizontal ICT network

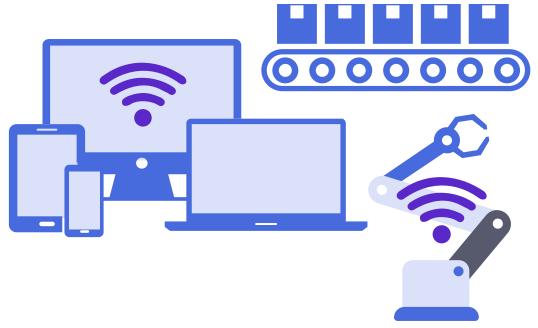


Horizontal ICT network covers 6 fields

- ☐ Cybersecurity
- ☐ Digital transformation
- ☐ GIS-T
- ☐ HPC and big data
- □ loS
- □ loT

The vision

Horizontal ICT network follows the vision of the Government of the Republic of Slovenia of *making Slovenia a green reference country in digital Europe*. The said referentiality is realized through an exemplary model of collaboration between the **business sector**, **science** and **the government** in the introduction of modern digital solutions into people's lives.









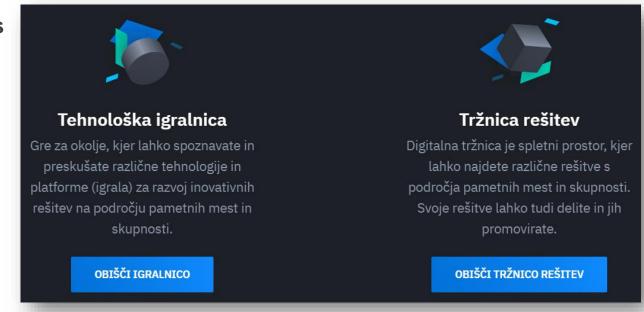
Web portal for Smart cities and communities

Main idea

An efficient presentation of **available technological tools** and end-to-end solutions is needed to comprehensively connect **all participants** and **share the know-how**.

Our approach

Development of a Web platform that enables to intuitively **register prototype solutions**. **End-to-end solutions** presented on a platform seamlessly overlap specifics between horizontal networks and vertical value chains.









Jožef Stefan Institute, Ljubljana, Slovenia

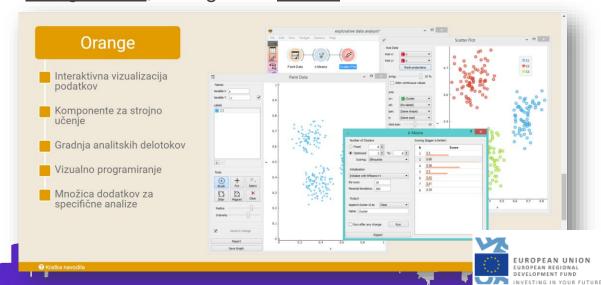
Web component: Technological playground (1/2)

About

An efficient presentation of **available technological tools** and end-to-end solutions is needed to comprehensively connect **all participants** and **share the know-how**.

Initial prototypes

ThingsBoard, Orange and WSO2





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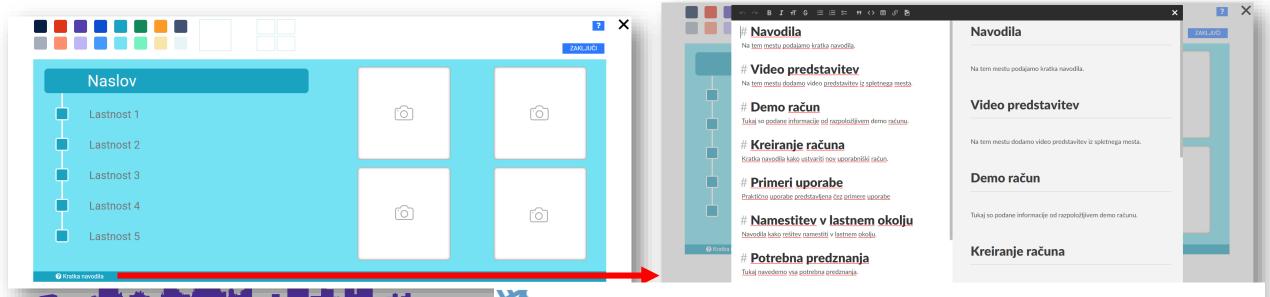
Web component: Technological playground (2/2)

Prototype content presentation approach

Initial content presentation consisted of the content representation in the **add a new prototype form (complex, slow,etc!)**. The updated version should consider either WYSIWYG (What You See Is What You Get) or WYSIWYM (What You See Is What You Mean). We established a WYSIWYM with WYSIWYG controls with **Markdown** In-browser library StackEdit.

Functionalities

- Adding prototypes described in Markdown.
- · WYSIWYG approach.
- Authorization of newly added solutions by administrators.



Web component: Solution marketplace (1/2)

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About

(e.g. hardware).

Solution marketplace contains **end-to-end** solutions that may be used **under specific conditions** (e.g. monetized) and includes solutions **beyond software**

Jožef Stefan Institute, Ljubljana, Slovenia

Dodajanje rešitve

Vnesite zahtevane podatke predlagane rešitve!

Osnovni podatki

Naziv

Verzija

TRL

Opis

Kategorizacija

Tipi

Kontaktni podatki (za preverjanje posatov in ne bodo javno objavljeni)

Eliektronski naslov

Spletni naslov rešitve

Dodatno gradivo

Tip

Coletna nouezava do eradiva

Operation is co-financed

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O tržnici rešitev Digitalna tržnica je spletni prostor, kjer lahko najdete različne rešitve s področja pametnih mest in skupnosti. Skupnosti Skupnosti so razvrščene po ključnih domenah pametnega mesta: upravljanje z viri in infrastrukturo (npr. rešitve s področja energetike), 🗸 zdravo in aktivno življenje (npr. rešitve za oddaljeno oskrbo bolnikov ali razne rešitve za spodbujanje zdravega in aktivnega življenja), pridelava in oskrba (npr. rešitve s področja agrikulture), ✓ skrb za okolje in kvaliteta bivanja (npr. rešitve na področju ravnanja z odpadki), rešitve s področja mobilnosti, logistike in transporta (npr. rešitve s področja upravljanja varnost in zaščita (npr. podpora ravnanju ob naravnih nesrečah), 🗸 vključenost in soodločanje (npr. rešitve, ki spodbujajo k večji vključenosti in angažiranosti MINISTRY OF ECONOMIC DEVELOPMENT

Pregled in iskanje rešitev

Web component: Solution marketplace (2/2)

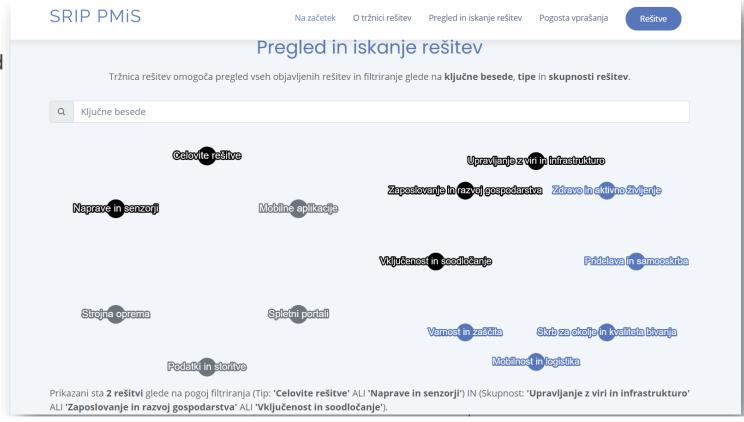
Search engine

Simple keyword search, filters for horizontals and solution types:

- enterprise,
- mobile,
- hardware,
- ☐ IoT.
- Web portals and
- data or services.

Functionalities

- Semantic search,
- Authorization of newly proposed soluitions,
- End-to-end solutions can be built up from prototypes









Summary

- ☐ SRIP PMiS partnership
- Horizontal ICT network and industrial verticals
- ☐ How to connect business and research?
 - ☐ Technological playground (e.g. research)
 - **☐** Solution marketplace (e.g. business)
- ☐ The purpose of the Web portal?
 - ☐ To establish an ecosystem with an open platform,
 - ☐ inclusion of additional solutions for specific problems.
 - ☐ likely decrease time-to-market for smaller R&D companies and thus increase the competitivness of the region







