



# 4P DIH → Digital for All, With All

DIH Ecosystem Building Event – 30.6.2021



Univerza v Ljubljani  
Fakulteta *za elektrotehniko*

LIFE  
LMMFE





# 4P DIH – Public, Private, People Partnership

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4PDIH – Public, Private, People, Partnership Digital Innovation is **a diverse ecosystem** involving **different partners** from industry, research and educational institutions, supporting systems for businesses, municipalities and other stakeholders.

4P DIH **PARTNERSHIP** (20 partners and growing):

- **UL FE** - 4PDIH (Faculty of Electrical Engineering, DIH Coordinator)
- **Municipalities support (2)**
- **Academic (8)**
- **Innovation & business support environment (6):**
- **Private entities (3)**

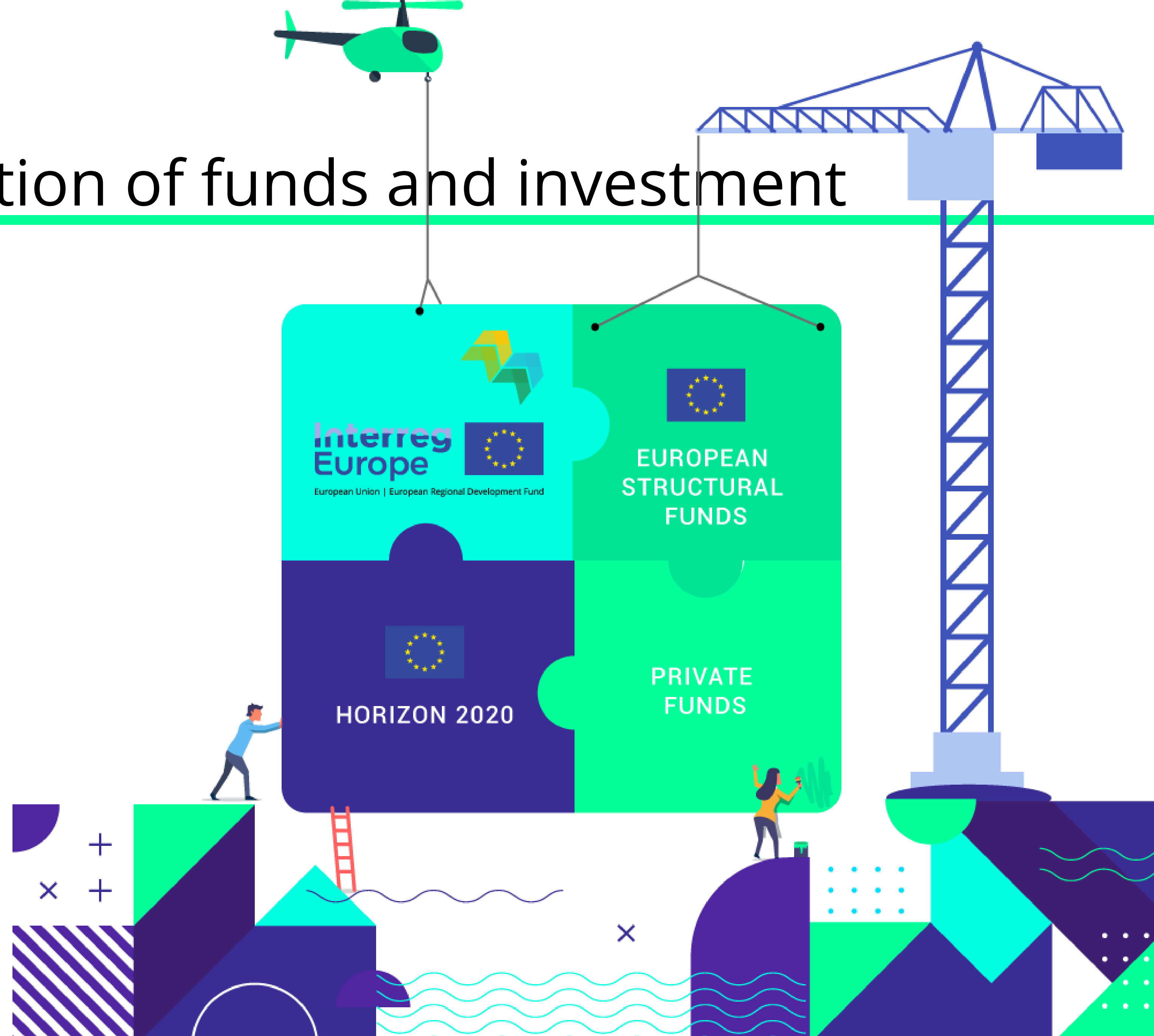


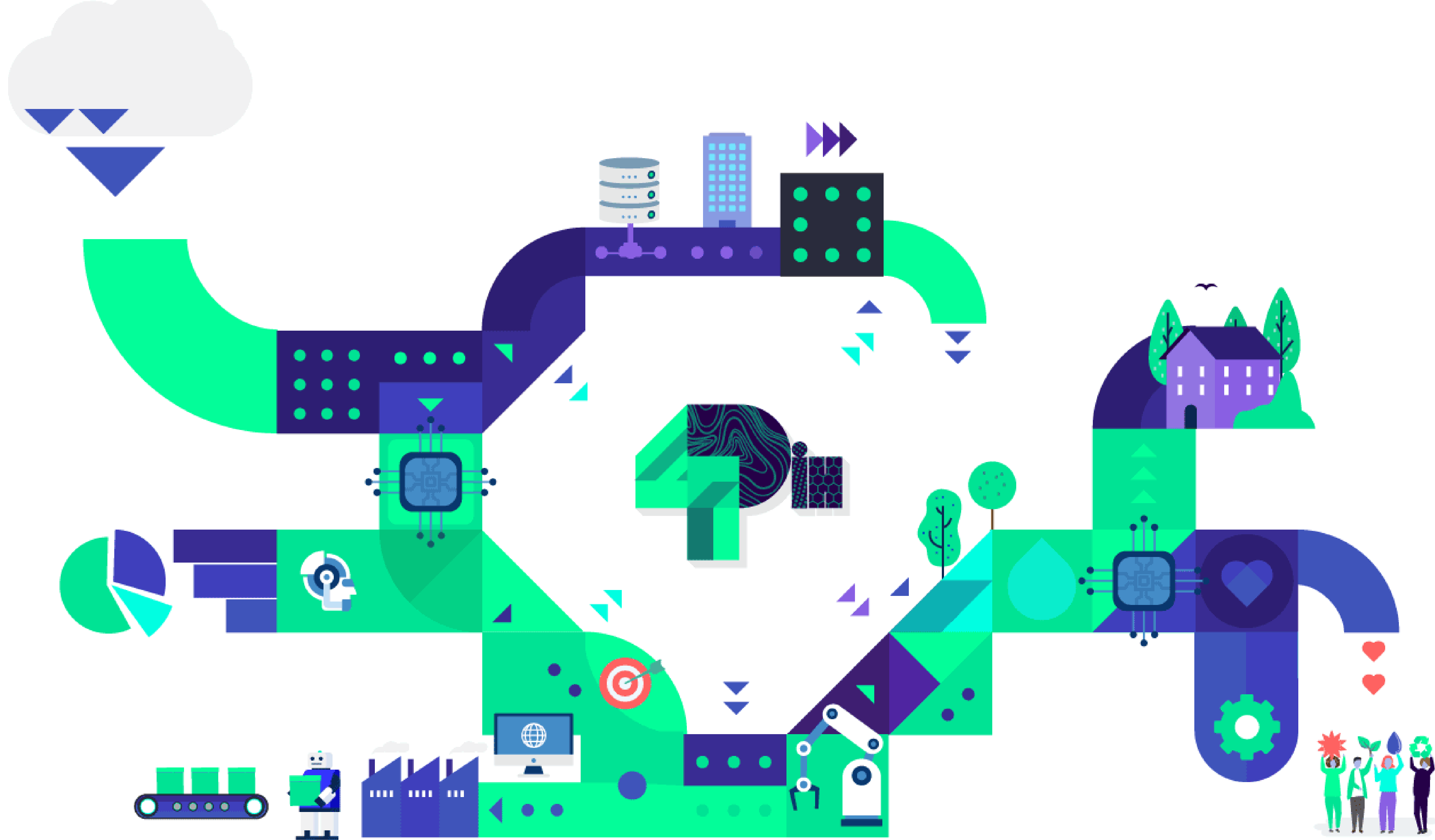
# 5 core values

**Value set of reciprocity** “management” system, consisting of principles of **sharing**, **communication**, **reciprocity**, **knowledge** and **trust** to **mitigate** potential risks, problems and **tackling** of **challenges** (each principle → practical project activity)



# Integration of funds and investment





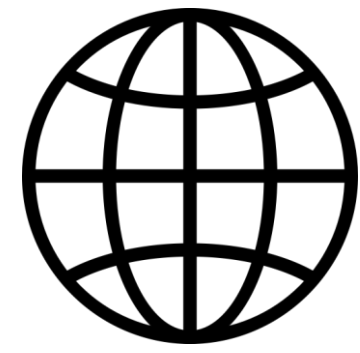


# Digitalisation

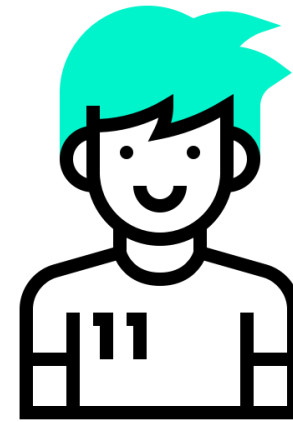
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Creating new opportunities by integrating digital technologies into everyday life, social processes and new business models.

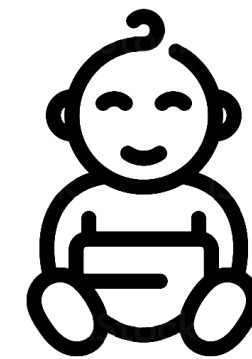
# Digitalisation



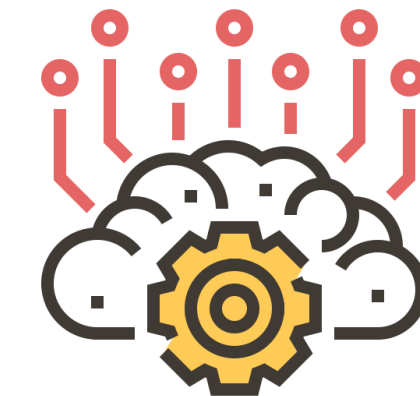
51% of the world's population uses the Internet...



...of which 80% are young people



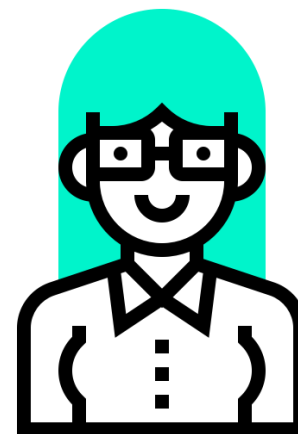
5 billion people will be newly connected to the Internet in the next 20 years



90% of EU jobs will require digital skills



42% of the EU population lack basic digital skills



> 20% of ICT professionals are women

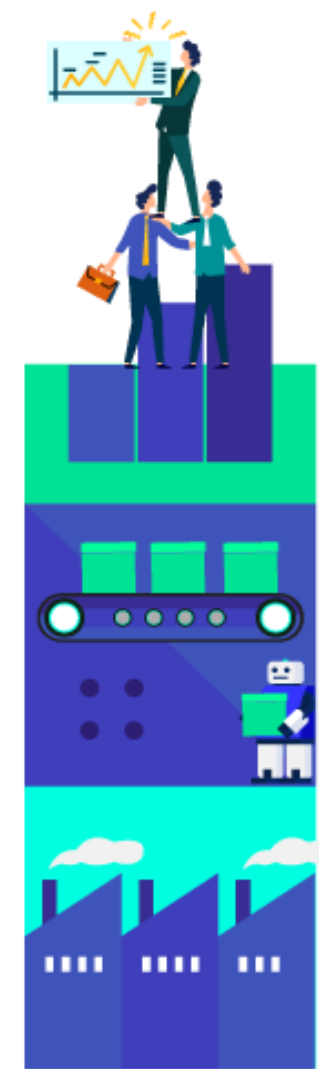


Digital well-being is threatened by challenges to the privacy, security and veracity of information

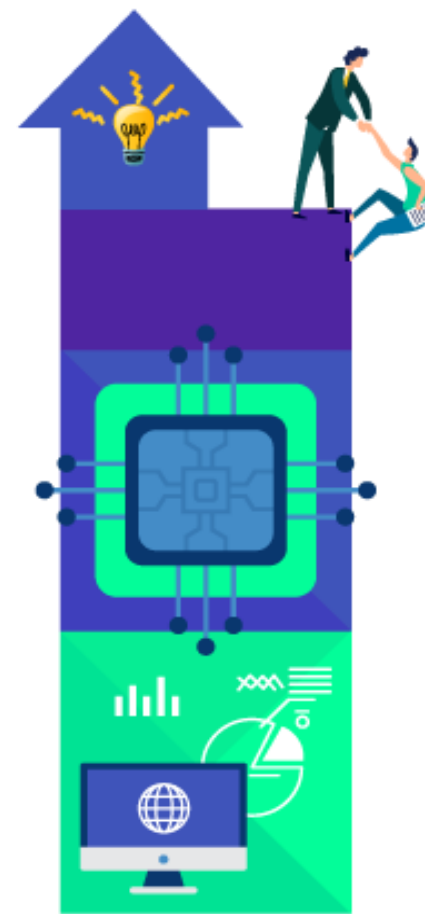
Source: ITU, WB, EC



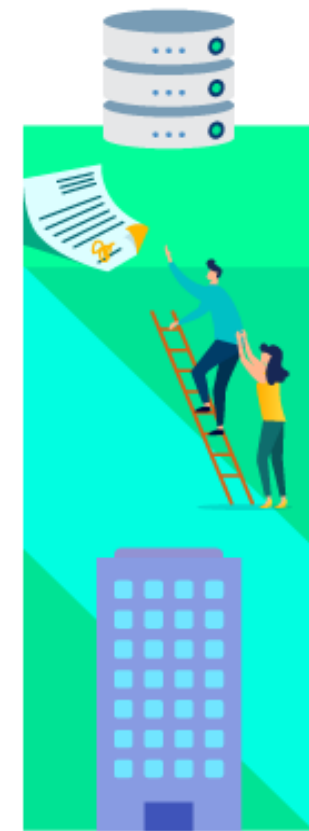
# Ecosystem logic



PRIVATE  
SECTOR



EDUCATION



PUBLIC  
ADMINISTRATION



COMMUNITIES

A successful transition to a digital society requires the participation of all actors in the ecosystem, it is about everreaching siloses, sectors, and individual projects.



# Digital initiatives & actions

- **Private sector** (SMEs → analysis of needs, digital maturity assessment, mentoring, guidance, tailor-made trainings within **ICT Academy**)
- **Education** (education institutions → analysis, digital maturity assessment, provision of computers etc., tailor-made trainings within **ICT Academy** for educators (remote teaching in COVID-19 times))
- **Public administration** (municipalities & smart cities → **interdisciplinary strategy, direct ICT support** (COVID-19 lockdowns: remote municipal meetings, digital signing), **advising** on digital transformation, developing **academy of digital skills for public administration workers; developing civic data**)
- **Community: Helping hand app, digital equipment** (kindergartens)



# Good practices implemented

- Implementing **workshops and trainings** for schools, municipalities, companies and for Ministry of Public Administration.
- Preparing and implementing **research&analyses** for target groups. Creating recommendations, guidelines or actionplans for digitalization.
- **Co-creating** the area of digitalization and digital transformation on a **national and European level** (members of several working groups and research bodies).
- Gathering **best practices** that can be multiplied on a local or national level.
- Collecting and posting materials online that help and **encourage building digital skills** and transitioning into digital transformation.





# FabLab Network Slovenia



- <http://fablab.si/>
- 91 partners
- 29 FabLabs
- 1 Mobile FabBox
- Rural-urban linkages

**Target group:** industries, SMEs, schools, public administration, individuals

**Format:**

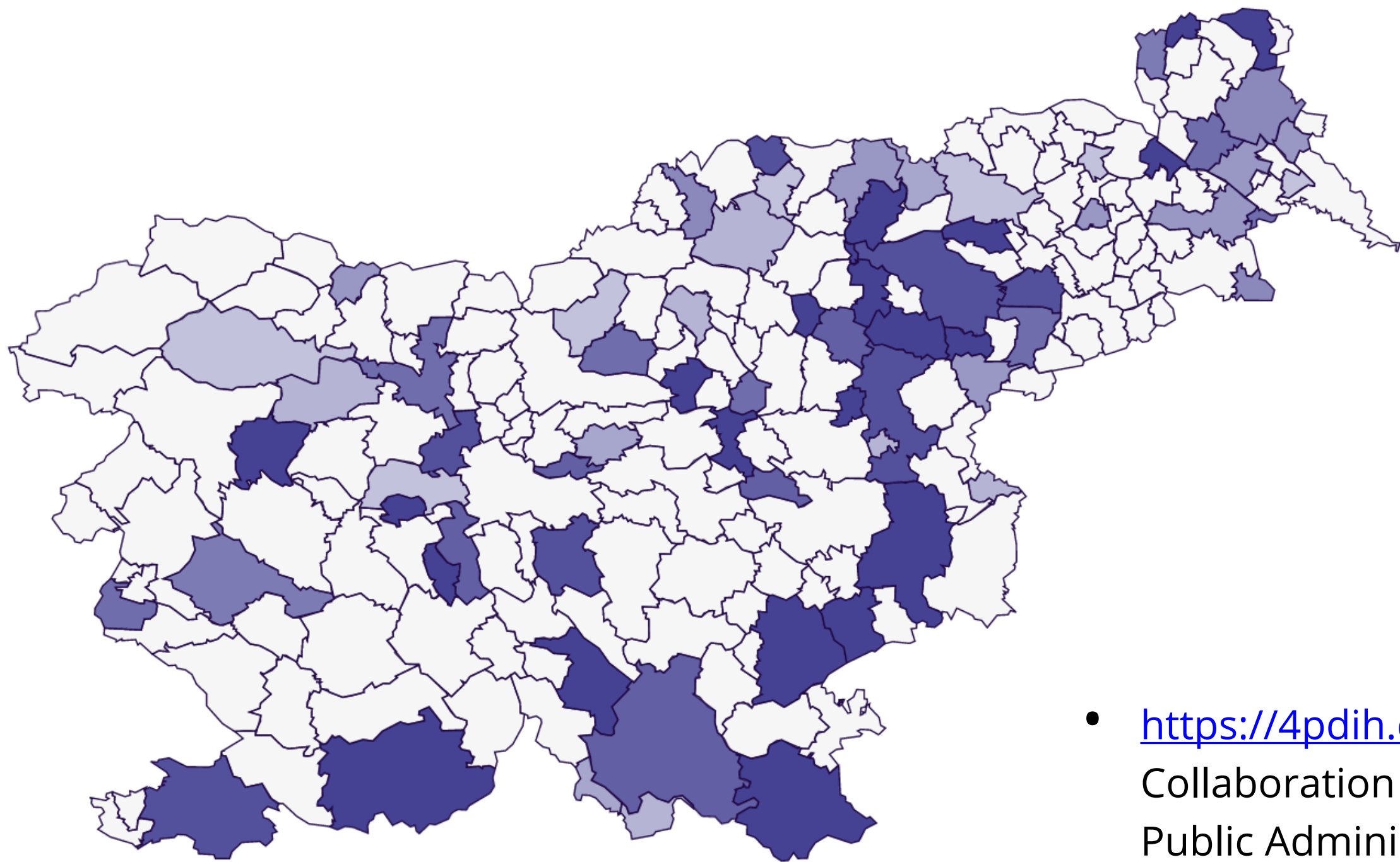
- Often Fablabs are regional/regional youth technology clubs (i.e. MakerLab, OpenLab...)
- Online equipment lending and matchmaking platforms
- Trainings and group projects

**Success reasons:**

- testing the equipment before integrating to their production or business processes
- access to production material and machinery for making prototypes



# Public administration digitalisation



- <https://4pdih.com/orodje/>  
Collaboration with the Ministry of Public Administration and the Association of Municipalities of Slovenia– collect the needs of the municipalities in order to prepare future policies and instruments
- 212 municipalities/communities

**Target group:** Municipalities, public administration representatives, solution providers

**Frequency:** Ongoing, very frequent

**Format:**

- workshops (11 in 2020) for inquiry about the technology related needs of municipalities and regions.
- Consulting in digitalization approaches (2 large city municipalities, other minor)
- Digital networking events (3), webinars (5) on selected topics
- Platform (online tools for demand and supply side):
  - Mapping the needs and developmental priorities of municipalities (212)
  - Cataloguing the solutions offered by the SMEs and medium and large scale companies
  - Matchmaking portal (soon to be published) for municipalities' and solution providers' engagement.

**Success reasons:**

- participant satisfaction and the strategic importance they perceive
- national reach
- economic motivation (calls for funding)



# ICT Academy



- <https://ict-academy.eu>

**Target group:** large enterprises, SMEs

**Frequency:** Very frequent, series of events

**Format** (live when possible, in 2020 mostly online):

- Trainings
- Certification: Cisco networking certificates (CCNA, CCNP....)
- Packages, series of trainings (e.g. Big Data Analysis, IoT and programming....)
- Single-day trainings and lectures on high-tech topics (Cybersec, IoT, Big Data, AI & ML, blockchain...):
  - this year already 21 single-day events booked by ~400 participants, previous years significantly larger scale.

**Success reasons:**

- customer satisfaction
- strategic importance to participants



# Digital competences in schools exploration



## Preparation for future policies and instruments

### Target group:

- Schools, municipalities representatives

### Format:

- series of surveys,
- workshops
- research activities.

### Partners involved:

- 4PDIH,
- Schools association,
- Association for technology among youth (ZOTKS)

### Success reasons:

- strategic importance

# Conclusion

- Digitalization is much more than being only a technological process – it is about socio-political and cultural ramifications.
- Due to complexity of digitalization, digital skills and trainings should follow a multidisciplinary methodology, being aware of the “sectoral interdependence”, mirrored in specific needs of each sector on one hand and specifics of the communities on the hand, although understanding, that an adequate digital infrastructure (rural areas) and entry-level digital skills are necessary.
- Understanding, that digital competence is integral for democracy and quintessential in tackling global democratic as well as economic deficit.





# Contact & Collaboration

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