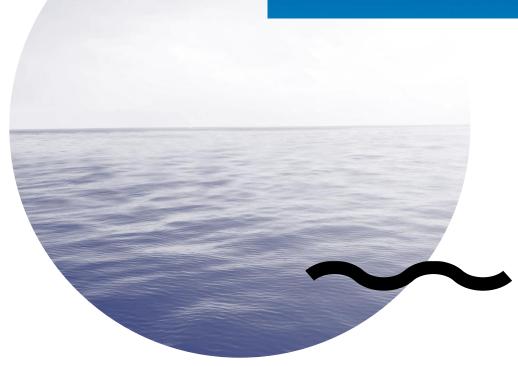
University of Rijeka inspiring and supporting the development of regional innovation ecosystems

TECHNOLOGY CONFERENCE

TECH CONNECTS.
PULA, CROATIA



Prof. Dr. Sc. Saša Zelenika a.i. Rector's Advisor for Strategic Projects

Nataša Jakominić Marot Head of University Centre for R&I

University of Rijeka, Croatia

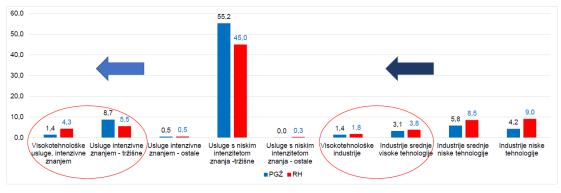
Lea Perinić

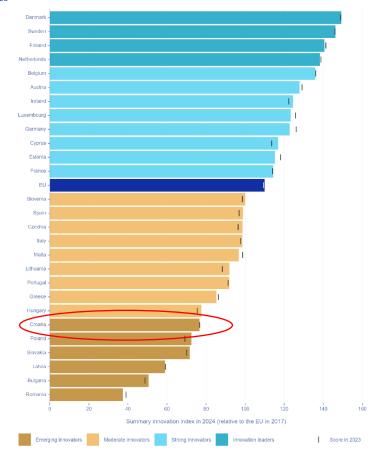
Head of Department for Innovation & KV















25

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Krapinsko-zagorska Zagrebačka

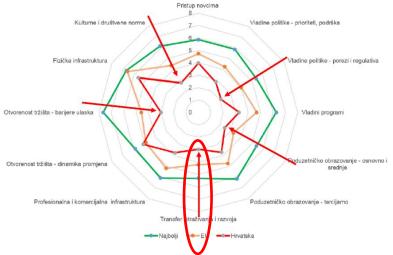
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Hrvatska i najbolji u EU



University of Rijeka (UNIRI)







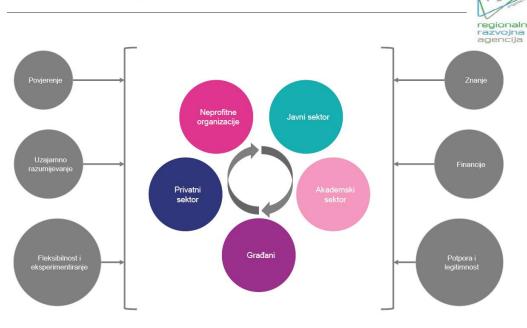
European University of the Future

We are:

- teachers who prepare students for the jobs of the future and civic responsibility
- researchers who open and empower the University by boldly embarking on innovative research ventures and collaborations to develop the economy and improve the well-being of the local community
- citizens who sincerely believe in the European values of freedom, human rights, and enlightenment, and are building a new European future.

- Higher education (Jesuit college) since 1633 (392 years!)
- Modern university: 1973 (52 years); today: 16 faculties, 1 art academy, 13 researchdevelopment centres, 16,000 students, > 250 study programs, 1.250 dorm beds, 1.100 faculty (ca. 900 FTE) + 800 admin. staff (FTE), ca. 900 referenced sci. publications (30 % Q1, > 10 % Exc.) and ca. 20 Horizon/HRZZ projects per year
- Since pilot phase (2010) is part of HRS4R, signatory of CoARA & DORA, has OS and AI policies, ...

Penta - Helix model prikaza dionika regionalnog razvoja



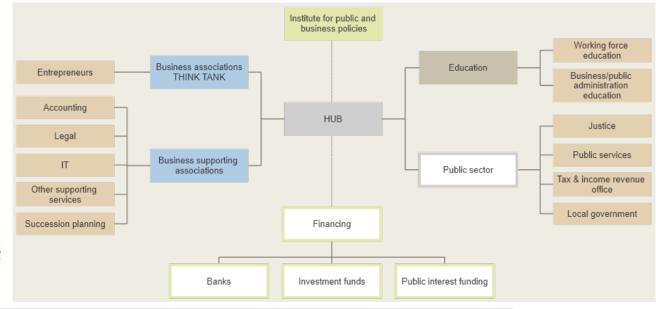
Other firm's market Licence, spin out, divest Internal technology base Internal/external venture handling External technology External technology

insourcing

External technology base

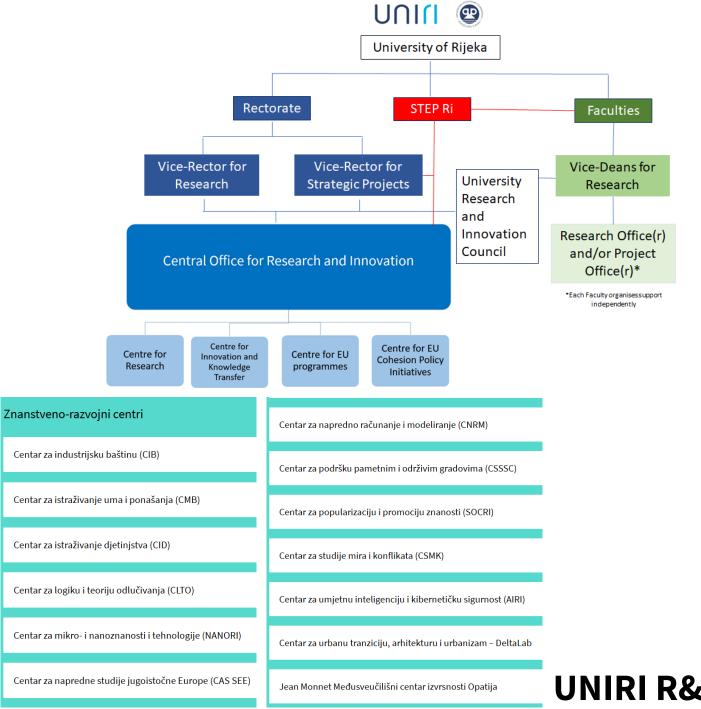
Knowledge valorisation:

economic value from knowledge by linking different areas and sectors and transforming data, know-how and research results into sustainable products, services, solutions and knowledge-based policies that benefit society (in terms of economic prosperity, environmental benefits, progress and better policymaking).



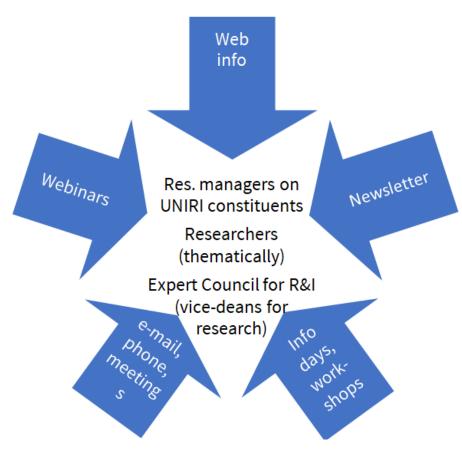
Henry Chesbrough UC Berkeley, Open Innovation: Renewing Growth from. Industrial R&D, 10th Annual Innovation

Convergence, Minneapolis Sept 27, 2004



UNIRI R&I Centre & Dept. for Innovation and KV

Research Management (EARMA)



UNIRI R&D centres

UNIRI-INOVA collaborative interdisciplinary R&D projects

 Institutional financing, 1-year R&D projects in cooperation with SBAs from economy, public sector and NGOs.



- At least one UNIRI constituent & at least one external cooperating institution in ecosystem.
- At least 2 scientific disciplines and 3 research fields.
- **Aims:** talent development, business cooperation, innovative projects & development of technological solutions. Co-financing a plus.
- Contribution to KV and bi-directional knowledge transfer, to entrepreneurship & employability, development of innovations, usage of UNIRI research infrastructure, <u>IPR</u>, rise in no. of research bases, of publications & of B.Sc., M.Sc. and D.Sc. theses with external

institutions, ...

TRANSFER ZNANJA U ZAJEDNICU

Sveučilište u Rijeci predstavilo UNIRI-INOVA projekte: Odabrani najbolji projekti koji će unaprijediti društvo

Ingrid Šestan Kučić 15. srpanj 2022 20:28



Svaki od pet projekata financirat će se s 50 tisuća kuna - rečeno je na predstavljanju / Snimio Vedran

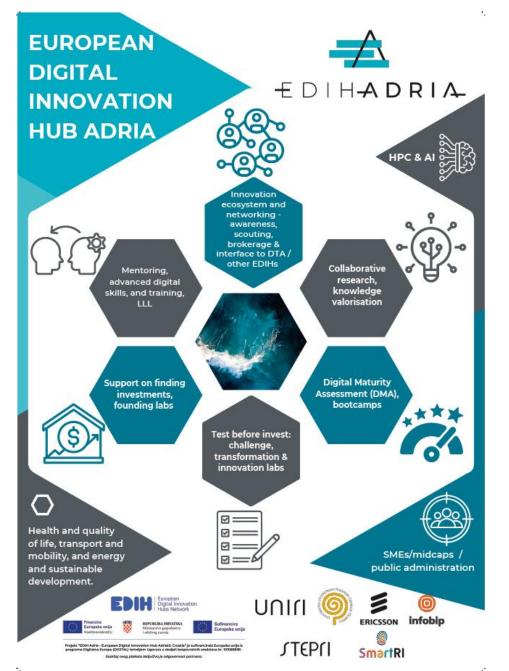
Predstavljeni odabrani projekti u sklopu programa UNIRI-INOVA
Petak, 15. arpnja 2022.

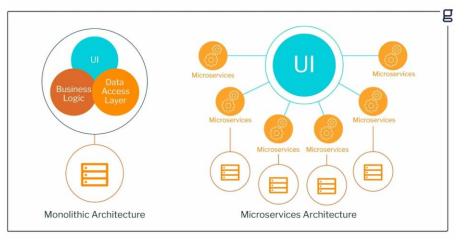
Grad Rijeka > Sveučilište > Predstavljeni odabrani projekti u sklopu programa UNIRI-INOVA



Na Natječaju za institucijsko financiranje interdisciplinarnih znanstveno-razvojnih projekata, koji uključuju dionike iz gospodarstva i/ili zajednice "UNIRI-INOVA", odobreno je financiranje 5 najbolje ocijenjenih projekata.

INNOVATION HUBS: EDIH Adria (DEP, 3 years, 2.65 M€)

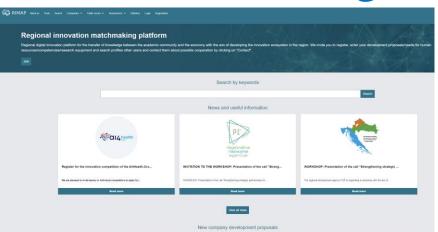


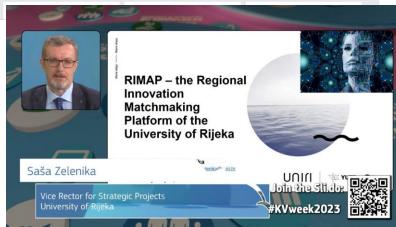


[https://www.gravitee.io/blog/what-are-microserviceshow-do-they-enhance-web-applications]



<u>RIMAP - Regional Innovation Matchmaking Platform</u>







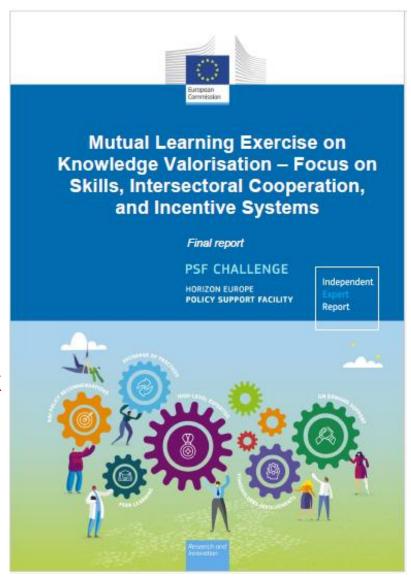
Today:

- 200 researchers
- 105 companies
- 42 public sector stakeholders
- 53 development project proposals

20 concrete UNIRI-INOVA scientific-development projects with partners form the economic and public sector.

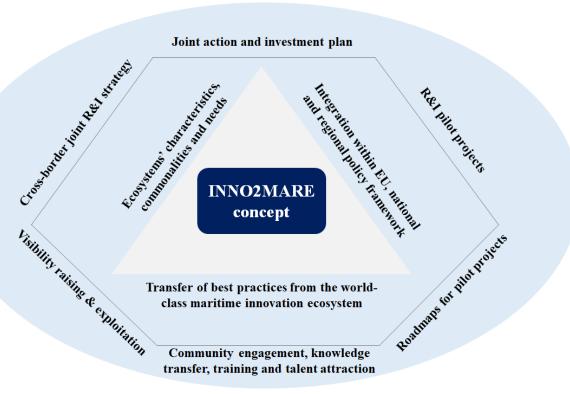
Best-practice example @ EU Knowledge Valorisation week 2023 and EU Committee of the Regions 2024.

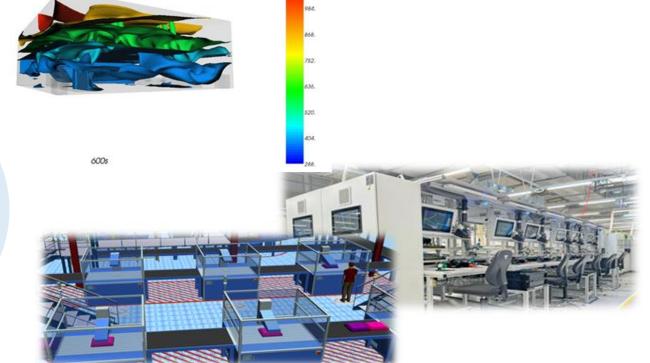
Extended to a <u>YUFE-wide</u> Innovation Platform



HE Excellence Hub INNO2MARE (Slovenian and Croatian innovation ecosystems supporting digital & green transitions of

maritime regions) - 5 M€, 4 years









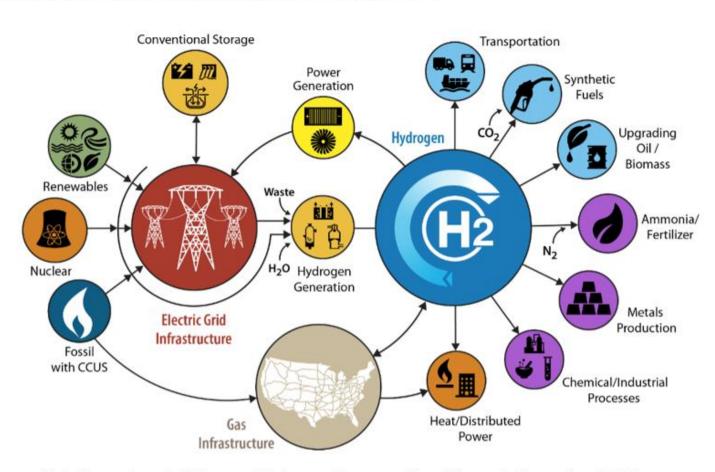
North Adriatic Hydrogen Valley

(HR, SI and North Italian regions, 37 organisations):





Conceptual H2@scale (hydrogen at scale) energy system

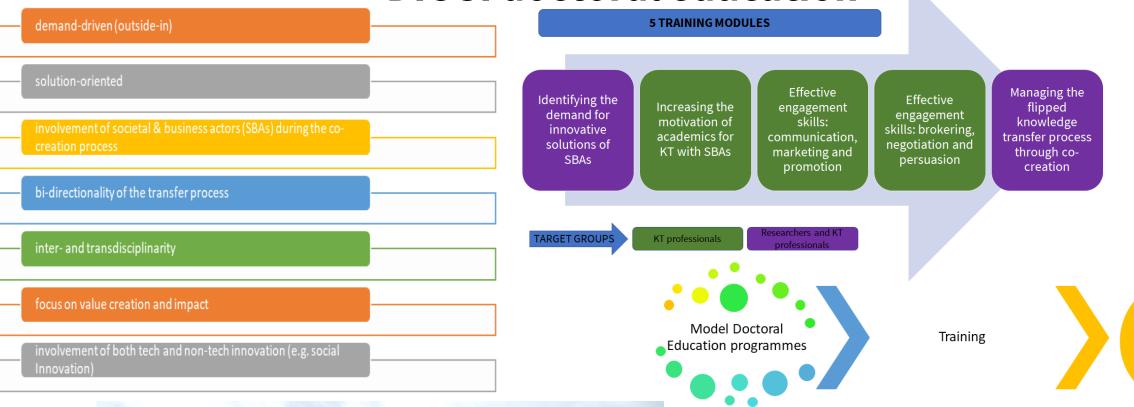


Source: U.S. Department of Energy, *Hydrogen Program Plan*, Figure 3, November 2020 Note: CCUS is carbon capture, utilization, and storage.

HE project (Clean H₂ Partnership)

Quadruple helix methodology Contribution to EU Green Deal and H₂ Strategy Goals

 → development of 17 testbeds that will cover the complete H₂ value chain from production to distribution, storage and end-use YUFE/YERUN KV expert networks, training, flipped KT approach, **DIOSI doctoral education**





 Open Innovation & Entrepreneurship Build DIOSI-model for 2 train-the-trainer sessions doctoral education, 20 training sessions for DCs integrating both Open Science transferable and research

2 train-the-trainer sessions 40 training sessions for DCs Develop DIOSI impact and graduate tracking framework

Antwerp, UC3M, Essex, ... KV models

skills

RDA PRIGODA, Infobip, ENT, JGL, Maritime Innovation Cluster/Maritime Centre of Excellence (Lürssen), Kvarner (Smart) Health Tourism Cluster, KBC Rijeka, Smart RI CeKom, CTK, >> 200 UNIRI scientific, scientific-

teaching and professional "bases"...











regionalna

razvojna

agencija





Instead of a conclusion

- ➤ UNIRI is not just part of the regional innovation ecosystems it is actively shaping them by turning res. excellence into solutions that benefit local community and economy → focused alignment of policies, clear strategic vision & strategic leadership ⇒ participatory, collaborative, transparent, opened & flexible process, with devoted resources, acknowledging diversity of roles, career stages & disciplines.
- ➤ <u>Aims of UNIRI KV framework:</u> talent development (HRS4R, CoARA, RAF, ECRs, RMs, KT professionals), **open innovations, partnership with SBAs, economic and societal impacts**.
- ➤ <u>Instruments:</u> R&D centres, UNIRI-INOVA projects, innovation hubs (EDIH Adria, INNO2MARE, NAHV), RIMAP platform, IPR, spin-offs, YUFE & YERUN networks (best practices, joint projects & ML).
- **Benefits:**
 - **research organisations:** greater involvement with industry partners, enhanced collaboration with alignment of research efforts with market needs → increased commercialization, funding opportunities & stronger IP outputs ⇒ boost of reputation & attraction of talent;
 - **industry:** direct access to cutting-edge research & skilled workforce, co-creation and knowledge transfer reduces time-to-market, improves productivity & competitiveness;
 - local government and NGOs: development of evidence-based policies & community solutions;
 - ecosystem level: boost of region's visibility & positioning in global R&I landscape.
- > UNIRI and SBAs have built a dynamic, competitive, and sustainable R&I environment.
- > UNIRI will scale-up these activities regionally and internationally, with focus on digital transformation and sustainability.

SIR ARTHUR LEWIS
Prize in Economic Sciences 1979

"The fundamental cure for poverty is not money but knowledge."

Thank you!

Prof. Dr. Sc. Saša Zelenika

a.i. Rector's Advisor for Strategic Projects

#UniRiThePlaceToBe





