Evropsko digitalno inovacijsko stičišče DIGI-SI

ITC
INOVACIJSKO TEHNOLOŠKI GROZD
INNOVATION TECHNOLOGY CLUSTER

AGRIFOOD
DIGITAL INNOVATION HUB

DIGI-SI

DIGI-SI AGRIFOOD
EU Finančna klinika IX

25. September 2024

Darja Kukovič, Inovacijsko tehnološki grozd Murska Sobota, DIH AGRIFOOD

Co-funded by the European Union

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REPUBLIKA SLOVENIJA
MINISTRSTVO ZA DIGITALNO PREOBRAZBO

Preden začnemo …

- želimo si interaktivnosti, zato imejte kamere po možnosti vklopljene
- za sprotna vprašanja dvignite roko ali uporabite chat
- delavnica se snema (za interne potrebe)
- prezentacijo lahko prejmete po delavnici
- Uživajte!

Program 25. SEPTEMBER 2024

DIGI-SI

12.00 Predstavitev DIGI-SI in DIH AGRIFOOD

12.15 Predstavitev Kaskadnih razpisov

12.20 Kaskadni razpisi konkretno:

FUTURAL, PRIMED, WOMENTechEU, STAGE, COPILOT, Innowwide, CLIMAX, OpenAgri

12.55 Ostale priložnosti

13.00 Zaključek

Prehodimo skupaj vašo pot digitalne preobrazbe

DIGI-SI

300+

najboljših slovenskih raziskovalcev

30+

strokovnjakov za digitalno preobrazbo (DIGI-SI agentov)

S 70 storitvami

pomaga na poti do digitalne probrazbe

Podjetjem, organizacijam in javnim ustanovam

S strateških področij

- Proizvodnje
- Kmetijstva
- Zdravstva
- Turizma

Z uporabo tehnologij

- AI (umetne inteligence)
- HPC (visoko zmogljivega računalništva)
- Kibernetske varnosti
- IOT (Internet stvari)
- AR/VR (obogatene/ virtualne resničnosti)
- Robotike
- Veriženja blokov
- Velikih podatkov

Cilj

povečati digitalno zrelost naših uporabnikov storitev za 10 -20%

Partnerji

DIGITALNO INOVACIJSKO STIČIŠČE SLOVENIJE

Institut "Jožef Stefan" Ljubljana, Slovenija

Institut "Jožef Stefan" Center za prenos tehnologij in inovacij

TEHNOLOŠKI PARK LJUBLJANA 01

HealthWise Digital Innovation Hub

ITC INOVACIJSKO TEHNOLOŠKI GROZD INNOVATION TECHNOLOGY CLUSTER

AGRIFOOD DIGITAL INNOVATION HUB

TCS TOOLMAKERS CLUSTER OF SLOVENIA

DIGITECH SI-EAST

ARCTUR

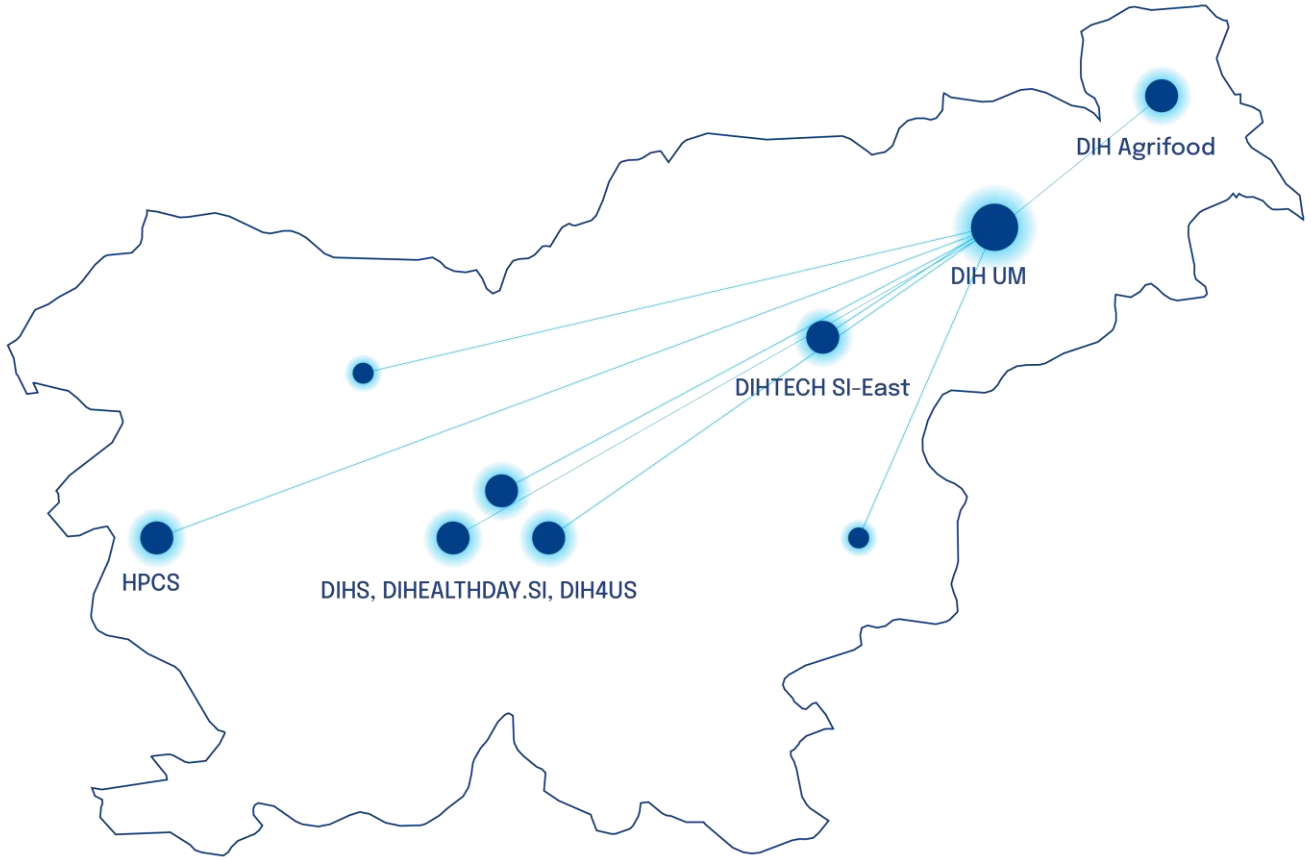
hpc hpc high performance and cloud computing cross-border comptence consortium

Koordinator

Univerza v Mariboru

DIH UM DIGITAL INNOVATION HUB @ UNIVERSITY OF MARIBOR

DIGI-SI



ITC - Inovacijsko tehnološki grozd Murska Sobota

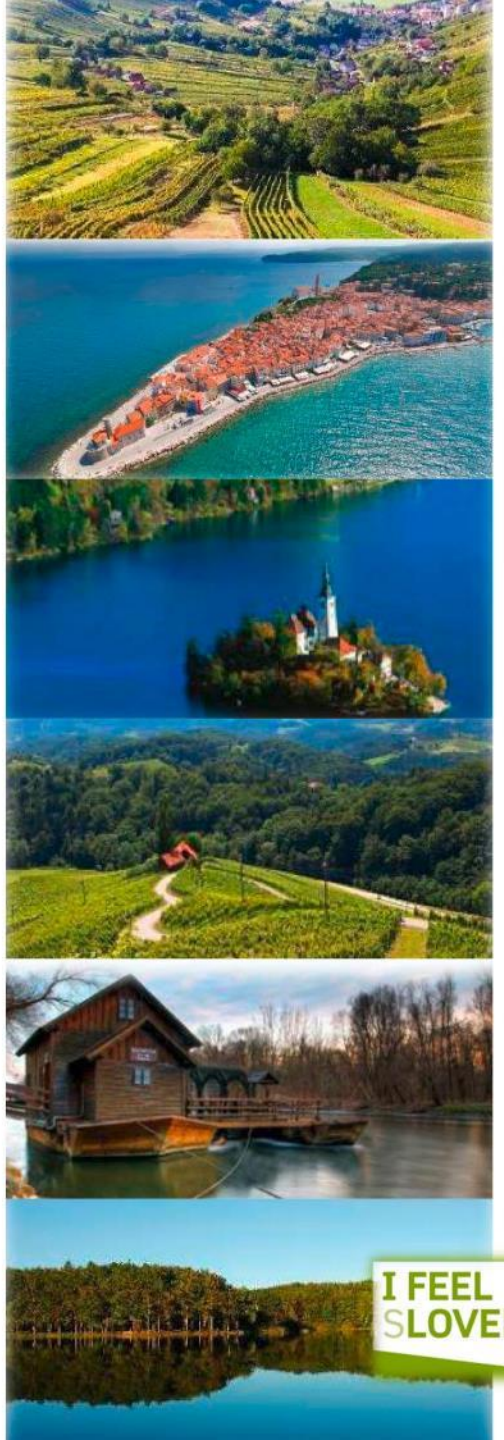
ITC
INOVACIJSKO TEHNOLOŠKI GROZD
INNOVATION TECHNOLOGY CLUSTER

Grozd ITC MS je namenjen spodbujanju

medsektorskih inovacij, ki temeljijo na

novih tehnologijah in IKT, hkrati pa združuje MSP in druge institucije iz različnih sektorjev ter jih

spreminja v »pametne«.



DIGI-SI

Sledimo cilju!

Postati ena najnaprednejših digitaliziranih ruralnih regija v Evropi za proizvodnjo in dobavo hrane, ki temelji na povezovanju vseh akterjev oskrbovalne verige

Kmete in pridelovalce hrane moramo podpirati drugače

ZAKAJ?

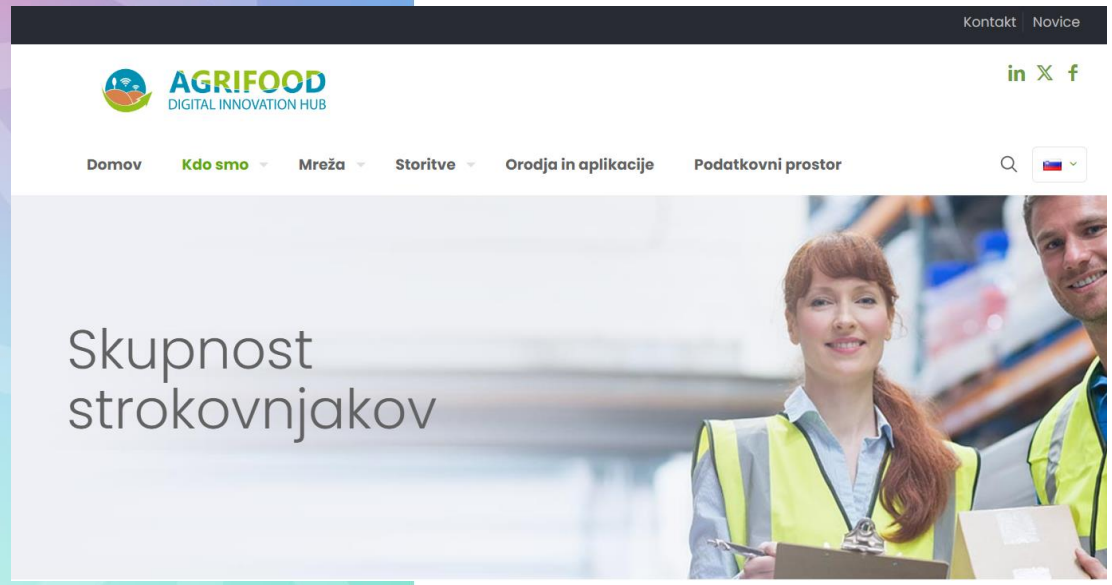
Proizvesti moramo več hrane z manj viri!

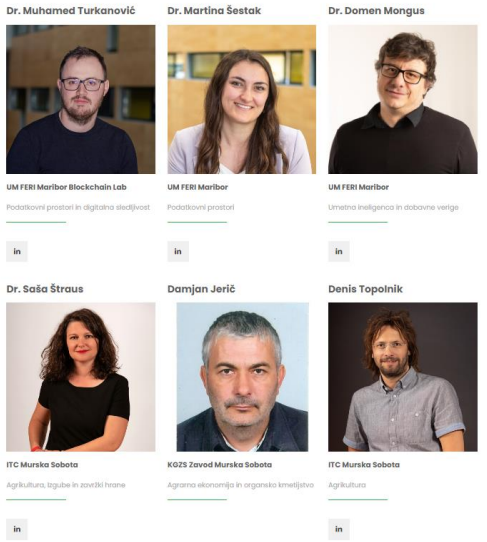
... kaj pa okoljska, gospodarska, družbena trajnost?

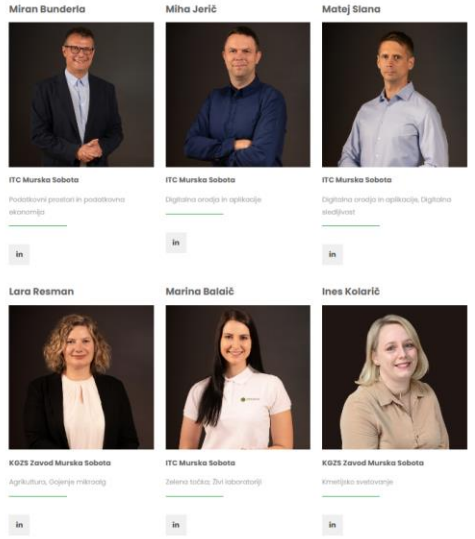
IZZIVI:

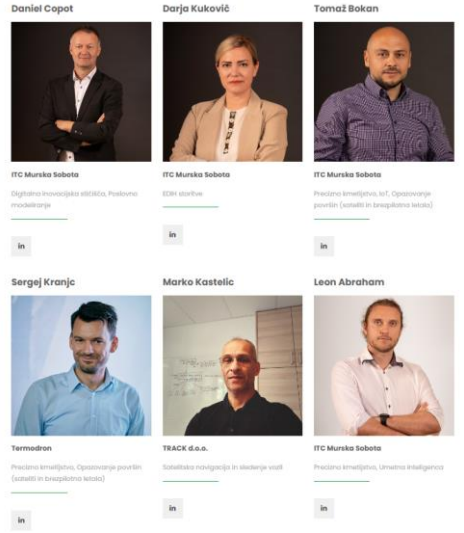
- Trendi in politike v EU (Common EU Agricultural Policy, Zeleni dogovor, Digitalni prehod)
- Tehnologije: IoT, IoE, Industry 4.0, Agriculture 4.0
- Kompleksnost in potreba po interdisciplinarnih znanjih/veščinah
- Kmetje in proizvajalci hrane IN potrošniki morajo biti postavljeni v ospredje

DIH AGRIFOOD









AGRIFOOD
DIGITAL INNOVATION HUB

DIGI-SI

DIH Agrifood

DIH AGRIFOOD

ITC

TECHNOLOGICAL AREAS

DATA SPACE

INTERNET OF THINGS

BIG DATA

BLOCKCHAIN

ARTIFICIAL INTELLIGENCE

EARTH OBSERVATION

ROBOTICS

DOMAINS

FARM MANAGER

FARM to FORK

CircEco

ACCELERATOR

Digitalna preobrazba kmetijstva

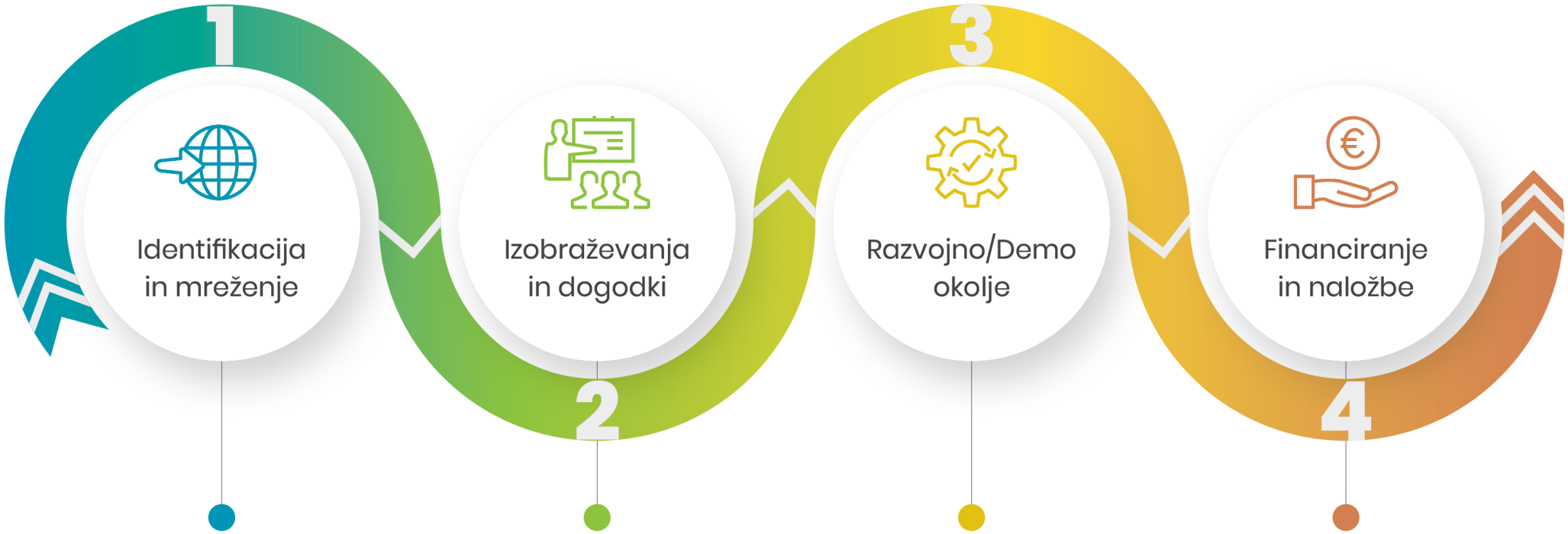
Prehranske oskrbovalne verige

Gastronomija

DIH Agrifood

DIH AGRIFOOD storitve

ITC



- Platforma sodelovanja
- Platforma DIGI-SI storitev
- Ocena digitalne zrelosti
- Digitalni načrti
- Spremljanje razvoja
- Povezovanje deležnikov

- Individualno svetovanje
- Strokovna usposabljanja
- Seminarji/Webinarji
- Demo dnevi in Hekatoni
- Konference

- Ocena inovacij in rešitev
- Testiranja v živem laboratoriju
- DEMO kmetije
- DIH AGRIFOOD aplikacije
- Vključitev v podatkovni prostor

- Razvoj poslovnih modelov
- Finančne klinike
- Nepovratna sredstva
- Iskanje investitorjev

DIH Agrifood

DEMO Kmetije

ITC

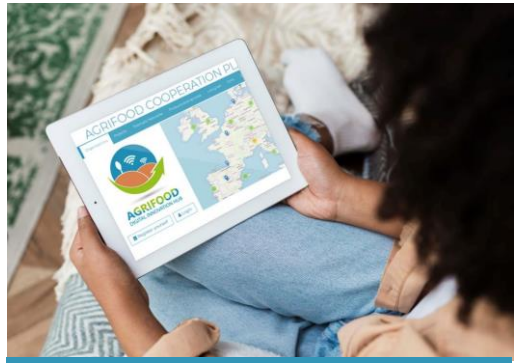
DIH AGRIFOOD DEMO Kmetije je edinstven "na uporabnika osredotočen" in "lokalno zasnovan" ekosistem, ki vključuje kmete, svetovalce, ponudnike rešitev in znanstvenike pri sooblikovanju, testiranju in predstavitvi rešitev na kmetijah za izboljšanje praks, pospešitev sprejemanja tehnologije , in podpora razvoju politike.

DEMO Kmetije obsegajo pet velikih skupin dejavnosti in storitev:

- Implementacija novih tehnologij, storitev in opreme
- Uporaba naprednih digitalnih platform in orodij
- Integracija kmetov in drugih deležnikov v DIH AGRIFOOD Data Space
- Dvig znanja in spretnosti prek podpornih storitev DIH AGRIFOOD, ozaveščanje, demonstracije in prenos znanja
- Podpora pri financiranju in financiranju

DEMO FARMS

DIH AGRIFOOD Aplikacije

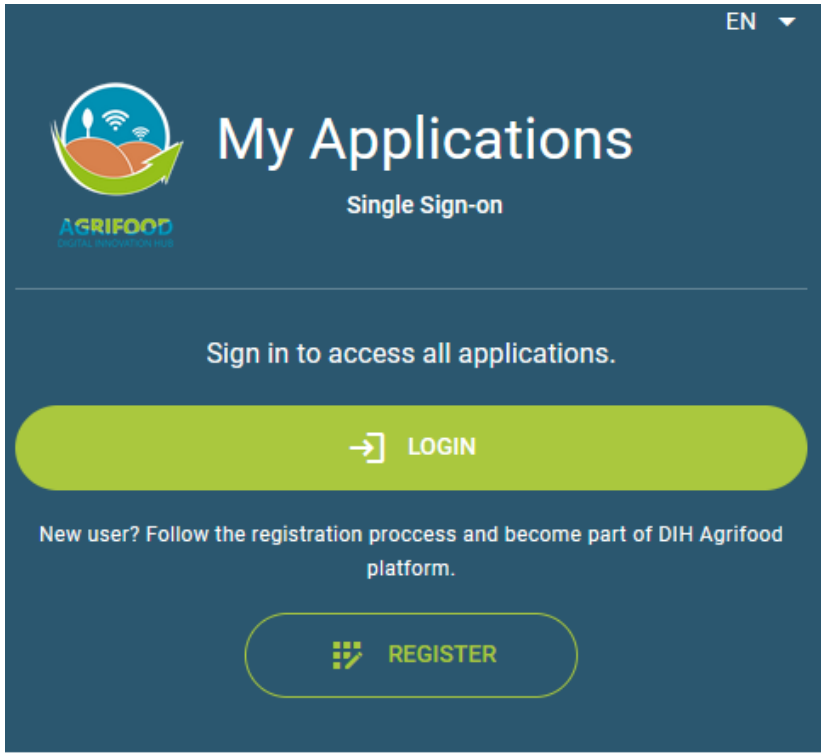


https://mapping.dih-agrifood.com

The COLLABORATION and NETWORKING platform, based on FACILITATION, hosting:

Organizations	**app. 1200, reaching > 30.000**
Projects	**> 60 projects**
Innovation Networks	**5 IN**
Products and Serv.	**>300 P/S**
Living lab	**>25 Living Lab cases**
DIHs	**>100 DIHs**
SME/Startup support	**>220 support organizations**
Facilitators	**40 from 13 countries**

It is an open, free, participatory-based platform!



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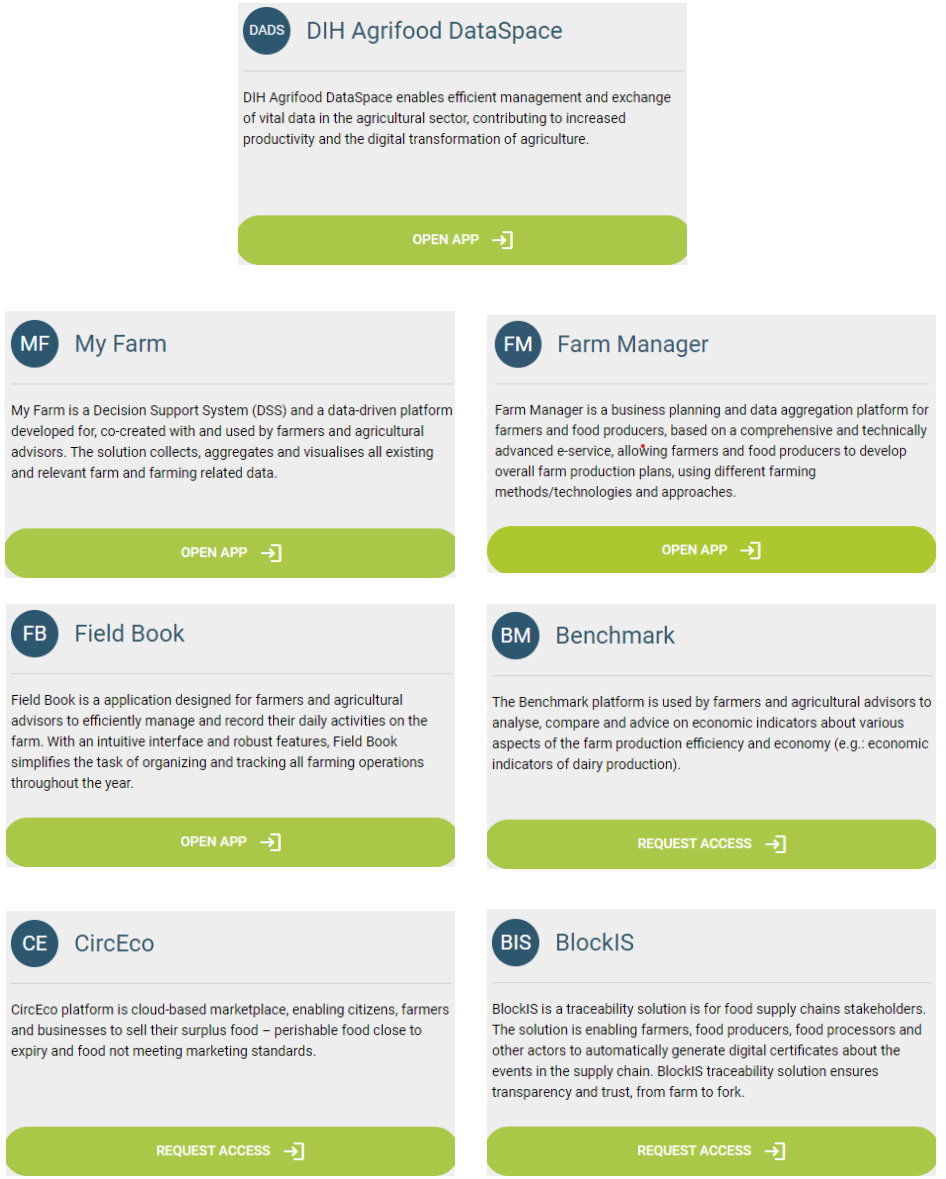


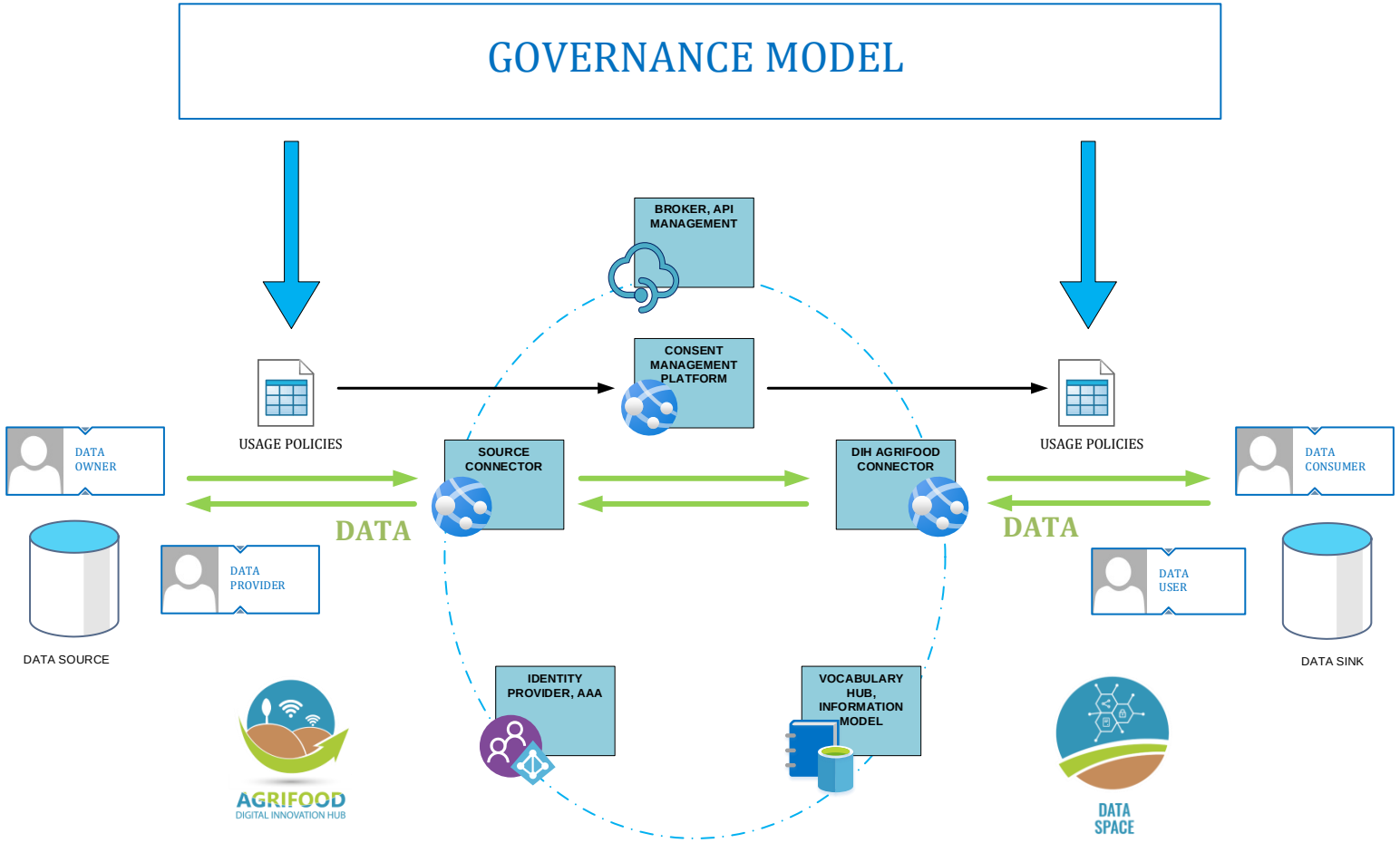
DADS – DIH Agrifood Data Space

DATA SPACE

Podatkovni prostor DIH AGRIFOOD (DADS) je federalno organizirana platforma za izmenjavo podatkov, kjer se delijo podatki iz agroživilskega sektorja na podlagi vnaprej **določenih politik in pravil, ki jih določa model upravljanja podatkov.**

Model upravljanja podatkov temelji na etičnih načelih in smernicah Evropske komisije. Ta načela zagotavljajo **suverenost podatkov lastnikov podatkov ter preglednost zbiranja in deljenja podatkov med vsemi deležniki v podatkovnem prostoru.**

Najpomembnejša korist:
Lastniki podatkov so zaščiteni!



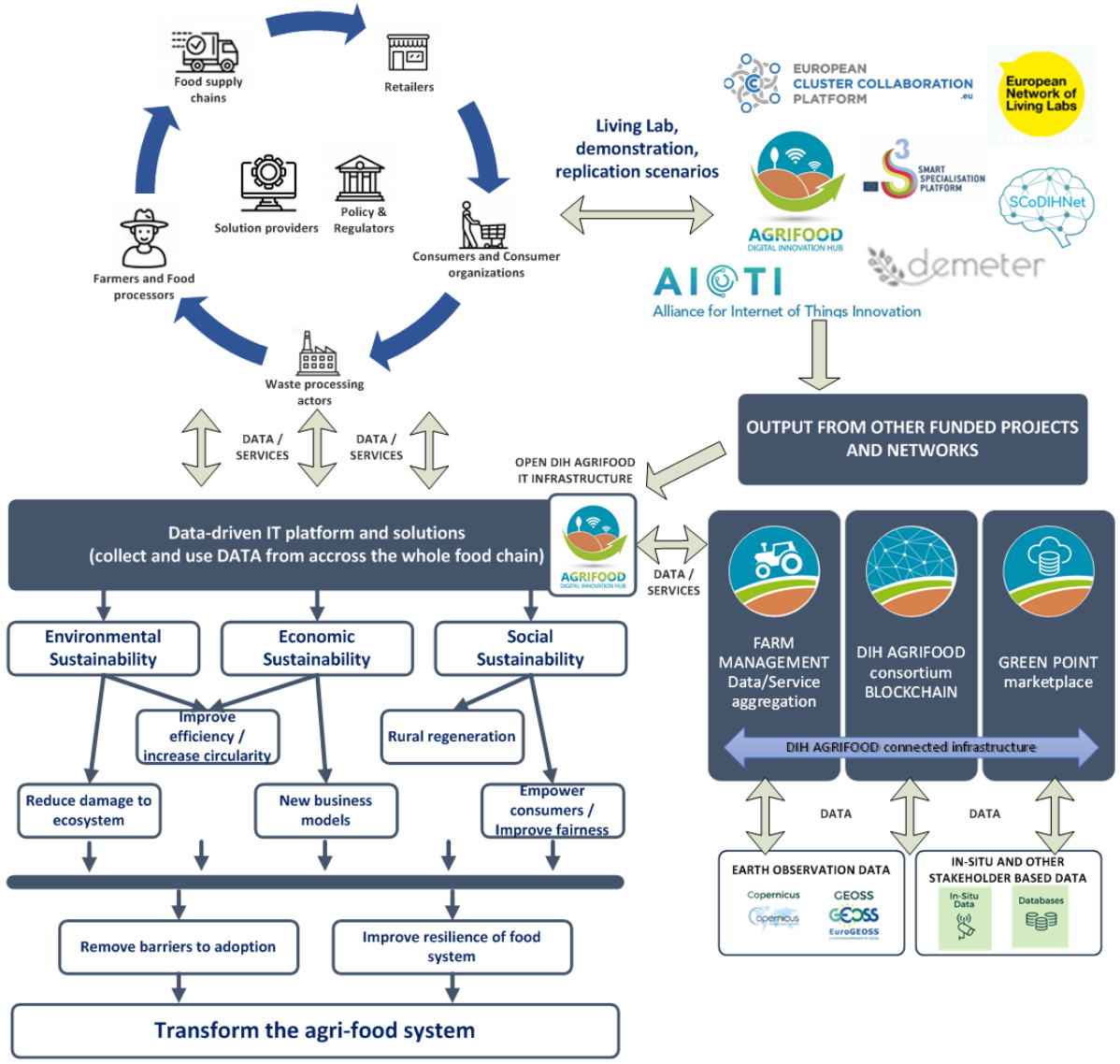
DATA SPACE

Dolgoročni cilj

- **Združiti akterje** iz vseh agroživilskih sistemov v **participativnem večakterskem pristopu (pMAA)**

S podporo:

- **Podatkovno usmerjeno informacijsko platformo** za zbiranje in uporabo podatkov iz celotne prehranjevalne verige za zagotavljanje koristi družbi in vodenje do bolj **trajnostnega, odpornega in preglednega prehranskega sistema** z opolnomočenimi deležniki, ki so sposobni sprejemati pametnejše, bolj trajnostne , bolj zdrave in osebne izbire hrane in prehrane, ob upoštevanju podatkov o vplivu na okolje, izvoru, hranilni vrednosti, varnosti in neoporečnosti.
- **Podatkovni prostor DIH AGRIFOOD** zagotavlja varen, suveren sistem izmenjave podatkov o agroživilstvu, v katerem lahko vsi udeleženci spoznajo polno vrednost svojih podatkov.



Zakaj sodelovati z DIH AGRIFOOD in DIGI-SI

- Ustvarjanje skupnosti in za skupnost
- Sprotno obveščanje o novostih in aktualnih razpisih
- Oblikovanje konzorcijev in/ali mrež
- Pomoč pri prijavah na projekte
- Rast in razvoj vašega podjetja

Metodologija razvoja ekosistema in prijav na EU razpise!

- Spoznavanje lokalnega in mednarodnega ekosistema (kdo/kje/kaj)
- program -> razpisi -> prioritete
- mreža -> komuniciranje -> formiranje konzorcijev
- delo na prijavah -> rezultati -> admin -> izvajanje projektov

Razpis CBE JU zaključen!

Circular Bio-based Europe Joint Undertaking

- Na voljo 213 milijonov €
- Projekti za napredovanje konkurenčnih krožnih bioindustrij v okviru HE
- Prejetih 298 projektnih predlogov
- Izjemna inovativnost bioosnovanih industrij
- Skupno zaprošenih skoraj 1,5 milijarde €
- Ocenjevanje oktobra-novembra 2024
- Rezultati januarja 2025

Kaskadni razpisi

Co-funded by the European Union

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REPUBLIKA SLOVENIJA
MINISTRSTVO ZA DIGITALNO PREOBRAZBO

Kaj so kaskadni razpisi?

Kaskadno financiranje (finančna podpora tretjim osebam) je mehanizem Evropske komisije za razdeljevanje javnih sredstev za pomoč upravičencem, kot so zagonska podjetja, podjetja v povečanem obsegu in MSP pri uvajanju ali razvoju digitalnih inovacij.

Namen te metode financiranja je poenostaviti administrativne postopke in ustvariti enostavno, MSP-prijazno prijavno shemo, tako da lahko nekateri projekti, ki jih financira EU, objavijo odprte razpise za nadaljnje financiranje (razpisi znotraj tekočih projektov).

Company category	Staff headcount	Turnover	OR	Balance sheet total
Medium sized	< 250	≤ € 50 m		≤ € 43 m
Small	< 50	≤ € 10 m		≤ € 10 m
Micro <	< 10	≤ € 10 m		≤ € 2 m

Semafor kaskadnih razpisov

RAZPIS	PODROČJE	ROK
FUTURAL	Inovativne pametne rešitve za podeželje	30.9.2024
PRIMED	Validacija bio-based izdelkov visoke vrednosti, razvitih v petih živih laboratorijih v aplikacijah za končno uporabo	30.9.2024
WomenTechEU	Pospešitev razvoja, rasti in trajnosti startup-ov, ki jih vodijo ženske	30.9.2024
STAGE	Trajnostni prehod v agilno in zeleno podjetje	2. 10. 2024
COPILOT	Soustvarjanje naslednje generacije platforme pilotnih in predstavitvenih infrastruktur, sprostitev hitrejših inovacij in rasti biogospodarstva v EU	10.10.2024
EUREKA Innowwide	Projekti tržne izvedljivosti	15. 10. 2024
CLIMAX	Regije, pripravljene na podnebne spremembe	15. 10. 2024
OpenAgri	Vključujoče skupnosti z odprtokodnimi rešitvami in odprto dostopno strojno opremo	2. 12. 2024

FUTURAL

Innovative Smart Solutions for rural areas

Kdo?	Fokus	Sektor	Technologije in TRL	Vsebina
1. technical party (e.g., SMEs, startups, research organisations) 2. rural community (e.g., Municipalities, Regional authorities, Development agencies, NGOs etc)	Digital solutions for rural area	**Agri-food** Smart Solutions in: 1. Circular bioeconomy, biodiversity and ecosystem management 2. Resilience to shocks 3. Citizen Engagement and Quality of Life 4. Lifelong Education and Training 5. Climate Adaptation and Mitigation	Smart Solutions are expected to start at TRL4 and reach TRL7 by the end of the project, while business models are expected to start at BRL4 and reach BRL7.	Applicants must develop: a) a digital solution that can seamlessly be incorporated into FUTURAL and contribute to its growth and expansion and b) an inclusive and collaborative business model aiming to increase the uptake of the SS. Proposed solutions must demonstrate their innovative character at a high level of scientific and technological excellence.

Total budget	Budget/project	Nr. Of partners	Deadline	Start	Durration	Costs
€ 1.200.000,00	**60-120.000,00** **30-60.000,00 per partner** **(10 projektov)**	2-4	30.9.2024	June 2025	12 M	Lump sum (Stroški dela Podizvajalci Oprema, Potovanja, Ostali stroški, pavšal)

Outside of 6 MAP areas in the project!

- BELGIUM: Westhoek
- SPAIN: Durangaldea
- AUSTRIA: Pongau
- LITHUANIA: Jonava
- ROMANIA: Birda
- GREECE: Kythira

Za več informacij: REFRAME!

PRIMED

Validation of high-value bio-based products developed in five living laboratories in end-use applications

Kdo?	Focus	Sektorji	Tehnologije in TRL	Vsebina
end-users: • SMEs • Primary producers • Industry	**To validate the high-value bio-based products developed across the five living labs in end-use applications**	**Biotechnology** **Fermentation** **Agrifood** **Cosmetics** **Biomaterials** **Textiles**	• Laboratory analysis • Legal, financial and market assessment for IP freedom to operate • Engineering support • Market analysis • Logistics	Applicants (single entity/organisation or group of organisations/ entities) should be ideally located near to the Living Labs regions: Spain, Portugal, **Italy**, Ireland, Finland

Skupni budget	Budget za projekt	Št. partnerjev	Rok	Začetek	Trajanje	Stroški
€500.000,00	**50.000,00** **5-10 projects**	1-X	30.9.2024	January 2025	10 M	Lump Sum: Stroški dela Ostali stroški Pavšal (25%)

Za več informacij: PNO!

WomenTechEU

Accelerating the development, growth and sustainability of women-led startups

Kdo?	Vsebina	Sektor	Technologije in TRL	Ozadje
SMEs: call is open to women entrepreneurs, Raised less than 1M€ in equity Early stage Startup → between 6 months and 8 years old	Company women-led → A woman is legally recognised as co/founder of the company and must currently hold a top management position (CEO, CTO, CSO or equivalent). 2. Deep-tech startup → breakthrough in scientific field, disruptive technology, not just incremental improvement.	**Food Manufacturing Health Climate**	Life sciences: - Greentech - Biotechnology and more. TRL 3-6	To accelerate the development, growth and sustainability of the business and a personalized business development programme. The programme of services will include: 1. Female mentors (one meeting per month during 6 months) 2. Investor outreach and pitch preparation 3. Investor and Export Readiness Check 4. Soft Skills Training 5. Sales Strategy & Execution 6. Environmental Impact Assessment 7. Corporate Access

Skupni budget	Budget za projekt	Št. partnerjev	Rok	Začetek	Trajanje	Stroški
€ 12.000.000,00 4 Calls: 3.000.000,00	**€ 75.000,00** **(40 projektov)**	1	30.9.2024	February 2025	6 M	Lump Sum, equity-free funding

Za več informacij: LIC!

STAGE:

Sustainable Transition to the Agile and Green Enterprise

Kdo?	Vsebina	Sektor	Technologije in TRL	Vsebina
SMEs	Financial incentives are available SMEs to assist their sustainability transition	/	STAGE is a unique sustainability transition ecosystem that provides companies with dedicated support to transform into competitive and sustainable leaders of the European industrial community.	2 types of activities: a) Development of an investment project plan b) Additional services, if needed for the investment plan preparation, such as: • Feasibility study; • Technology audit; • Due diligence analysis; • Data collection and analysis for carbon footprint assessment; • Prototyping; • Pilot testing; • Pilot demonstrating; • Adaptation of business processes; • Support to use testing facilities; • Procurement of other specialized consultancy and coaching services related to investment plan preparation.

Total budget	Budget/project	Nr. Of partners	Deadline	Start	Durration	Costs
€ 160.000	**€ 25.000,00**	1 (40 – 80 SMEs do porabe)	2. 10. 2024	December 2024	6 M	Lump sum (Stroški dela Ostali stroški Oprema)

STAGE

Za več informacij: LIC!

COPILOT:

Co-creating the next generation platform of pilot and demo infrastructures, unlocking faster innovation and EU bioeconomy growth

Kdo?	Vsebina	Sektor	Technologije in TRL	Vsebina
Start-ups, spin-offs, scale-ups and SMEs developing a technology within the bioeconomy domain.	Co-creating platform of pilot and demo infrastructures within the bioeconomy domain.	**Agrifood, bioeconomy**	• Fermentation and digestion, • thermochemical digestion, • sterilization technologies, • thermal and pressure techniques, • enzymatic catalysis, • material technologies, • algae technologies, • pulping, • chemical conversions, • separation technologies, • size reduction and homogenization etc.	The legacy of Pilots4U project Targeting 2 groups: - BioPlants (10 will be financed) - BioInnovators (15 will be financed) Benefits: - training opportunities, - study visits, - involvement in the co-creation of a Europe-wide database of bioeconomy-basedopen-access infrastructures

Total budget	Budget/project	Nr. Of partners	Deadline	Start	Durration	Costs
€ 200.000	**€ 6.000,00** **(10 + 15 projects)**	1	10. 10. 2024	December 2024	/	Lump sum

Za več informacij: ŠGZ!

EUREKA Innowwide:

Innowwide call for market feasibility projects

Kdo?	Vsebina	Sektor	Technologije in TRL	Vsebina
SMEs	Innovative business solution	**all**	to assess the viability of their commercial or research ambitions for **internationalisation** in a target country	1. SME should have a selected target country → where they intend to develop and validate innovative business solution in collaboration with local counterpart 2. SME should have a local partner (Africa, Americas, Asia or Oceania) → e.g., a research provider or complementary technology developer, supplier, customer, end user (which signed LoI) as a subcontractor of feasibility project.

Total budget	Budget/project	Nr. Of partners	Deadline	Start	Durration	Costs
€ 4.200.000,00	**€ 86.000 (70% co-financing)** **= € 60.000** **70 projects**	1	15. 10. 2024	April 2024	6 M	Lump sum (70% prefinancing)

Σ

Za več informacij: LIC!

CLIMAX:

Climate ready regions

Kdo?	Vsebina	Sektor	Technologije in TRL	Vsebina
POs, NPOs	Cilj projekta je pospešiti razvoj pametnih rešitev za kvaliteto vode ob spodbujanju digitalnih, zelenih in prožnih prehodov	**Agri-food** **Energy-intensive industries**	Energy-intensive industries	Proposals should aim to generate a regional Climate Risk Assessment by: • Adhering to methodological coherence (addressing hazard, exposure, and vulnerability); • Using quantitative methods with relevant data (observational or model-based); • Addressing various climate risks (multiple hazards); • Ensuring comparability across regions and time frames for a comprehensive climate risk synthesis; • The proposal must cover the three phases approach.

- a maximum of 3 selected projects per country and
- a maximum of 2 selected projects per NUTS2 will be approved!

Total budget	Budget/project	Nr. Of partners	Deadline	Start	Durration	Costs
€ 5.400.000,00	€ 300.000,00 **SLO: € 189,318** **30 projects/regions**	1	15. 10. 2024	January 2025	22 M	Lump sum (Stroški dela Ostali stroški Oprema)

Za več informacij: FundingBOX!

OpenAgri:

Open Source, Open Hardware, Inclusive Community

Kdo?	Vsebina	Sektor	Technologije in TRL	Vsebina
1. SME, university, research institute, non-profit organization 2. farm, farm structure, farm cooperative or other agrifood production organisation or company representing farms	Agricultural Digital Technologies (ADSs), using a multi-actor approach	**Agriculture, Smart farming**	• Crop Pest and/or Disease Detection • Animal Behaviour Monitoring • Farm automations and robotics • Smart Fertilization Management • Farm Management and Decision Support	The goal of this Open Call is to deploy high value and impactful pilots, employing OpenAgri's methodologies and technologies. The goal is to collaborate and co-create new Open Source (OS) ADSs building on existing mature cloud solutions, by designing/implementing: • Community integration and co-creation protocols • Reduced environmental footprint of farming • Improved working conditions • Co-created innovative OS ADSs • Enhanced transparency across the value chain • Support alternative business models, creating additional revenue streams

Total budget	Budget/project	Nr. Of partners	Deadline	Start	Durration	Costs
€ 900.000,00	**€ 100.000,00** **60k max per partner** **9 projects**	2	2. 12. 2024	May 2025	18 M	Lump sum (Stroški dela Ostali stroški Oprema)

Za več informacij: FSH!

Ostale priložnosti

Co-funded by the European Union

This project has received funding from the European Union's Digital Europe Programme under grant agreement No. 101082654.

REPUBLIKA SLOVENIJA
MINISTRSTVO ZA DIGITALNO PREOBRAZBO

SUAVE: Urban Agriculture webinars

Organizator: VEGEPOLYS VALLEY International

- Afrika: 25. 9. 2024, 16:00 – 18:00 CET
- Latinska Amerika: 26. 9. 2024, 16:00 – 18:00 CET

Raziščite inovativne modele in se učite od strokovnjakov – Prijave še odprte!

VEGEPOLYS VALLEY
KAYA
qualitropic
TECNOPONIA
FEEDBACK TO THE FUTURE
pistes solidaires
Embrapa

CASSINI Hekaton 2024

Organizator: Tovarna podjemov in partnerji (DIGI-SI)

- **22.-24. 11. 2024**
- **Kdo?** študent, podjetje, start-up, strokovnjak ali nevladna organizacija,

IZZIV ŠT. 1: Krepitev varnosti in obrambnih sposobnosti s pomočjo geoprostorskih obveščevalnih podatkov
IZZIV ŠT. 2: Uporaba dronov za izvajanje varnostnih operacij
IZZIV ŠT. 3: Orbitalna varnost: Simulacijska vaja z izzivom

AGRIFOOD Finančne klinike 2024

- **30. Oktober 2024: Digitalna Evropa in Kaskadni razpisi (F6S, BIO-Boost)**
- **20. November 2024: Horizon Europe - Cluster 6 in 4**
- ***POVRATNE INFORMACIJE!!!***

7. Obletnica DIH AGRIFOOD

- **12. December 2024**
- **DIGI-SI Executive Meet-up:** ***DIH AGRIFOOD Experts and Community***

Evropsko digitalno inovacijsko stičišče DIGI-SI

ITC
INOVACIJSKO TEHNOLOŠKI GROZD
INNOVATION TECHNOLOGY CLUSTER

AGRIFOOD
DIGITAL INNOVATION HUB

DIGI-SI

Hvala za pozornost ...

se vidimo 23. oktobra 2024!

DARJA KUKOVIČ
darja.kukovic@itc-cluster.com

https://digi-si.eu

info@digi-si.eu

080 40 47

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