



SELSUSTAINED CROSS-BORDER CUSTOMIZED
CYBERPHYSICAL SYSTEM EXPERIMENTS
FOR CAPACITY BUILDING AMONG EUROPEAN STAKEHOLDERS

Predstavljanje SMART4ALL Projekta

Regionalni FTTE Vebinar

MSc Nikolina Brajović- MECOnet Podgorica

03. Septembar 2021.



Co-funded by the Horizon 2020 programme
of the European Union

DT-ICT-01-2019
Smart Anything Everywhere Area 2

www.smart4all-project.eu
Grant Agreement: 872614

SMART4ALL projekt



Funded by the Horizon 2020
Partnership Programme of the
European Union



DT-ICT-01-2019: *Smart Anything low energy computing Everywhere – Area 2: Customized powering CPS and the IoT*

Project information

SMART4ALL

Grant agreement ID: 872614

Status

Ongoing project

Start date

1 January 2020

End date

31 December 2023

Funded under:

H2020-EU.2.1.1.

Overall budget:
€ 8 660 872,50

EU contribution
€ 7 997 647,50



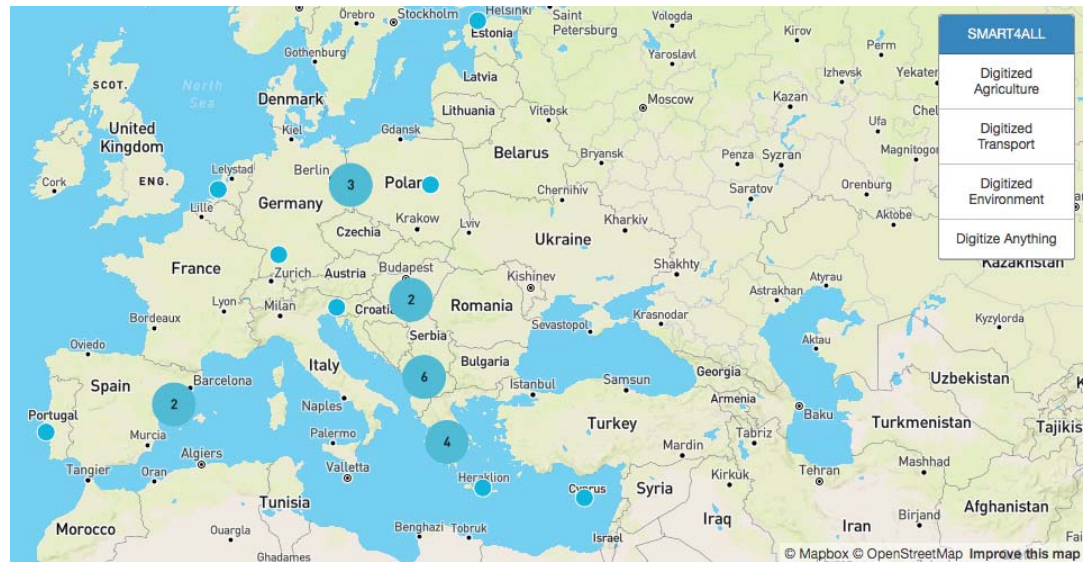
Coordinated by:

UNIVERSITY OF PELOPONNESE

Greece

Konzorcijum SMART4ALL projekta

- 25 partnera iz **Južne, Istočne i Centralne Evrope**
- Konzorcijum je sastavljen od univerziteta, istraživačkih instituta, investitora, networking organizacija, MSP-a (SMEs), Inovativnih Habova i NVO-a

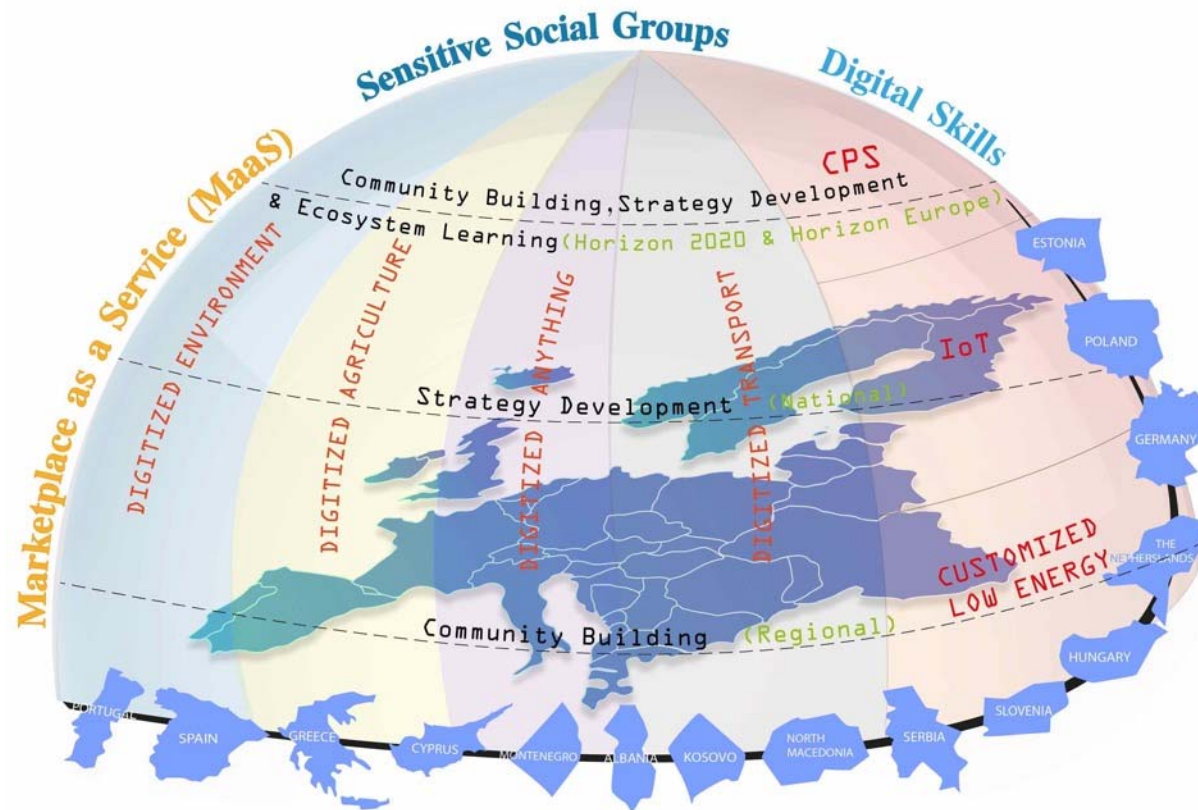


Diversity in Partners Expertise		Geographic Diversity (15 countries)	
Universities: 10	Research institutes (R&D): 3	Albania: 1	Montenegro: 1
Research institutes (BizDev): 1	SMEs (R&D): 6	North Macedonia: 2	Poland: 2
SMEs (BizDev): 2	Innovation Hubs: 1	Cyprus: 1	Portugal: 1
NGOs: 1		Estonia: 1	Serbia: 1
		Germany: 3	Slovenia: 1
		Greece: 5	Spain: 1
		Hungary: 1	The Netherlands: 1
		Kosovo: 2	

Glavne karakteristike SMART4ALL projekta

- **Vizija:** Proširiti mogućnosti saradnje između evropskih stakeholdera uključivanjem različitih kultura, politika, geografskih područja u različitim domena primjene eksperimenata
- **Kako:** Kroz razvoj samoodrživih, prekograničnih eksperimenata kojima se vrši transfer znanja i tehnologije između akademije i industrije
- **Tehnološke oblasti:** CLEC i IoT (Customized low energy computing i Internet of Things)
- **Oblasti primjene:** Digitalizovana Životna sredina, Digitalizovana Agrikultura, Digitalizovani Transport i Digitalizovano Bilo Šta (Digitized Anything)

Shema SMART4ALL projekta



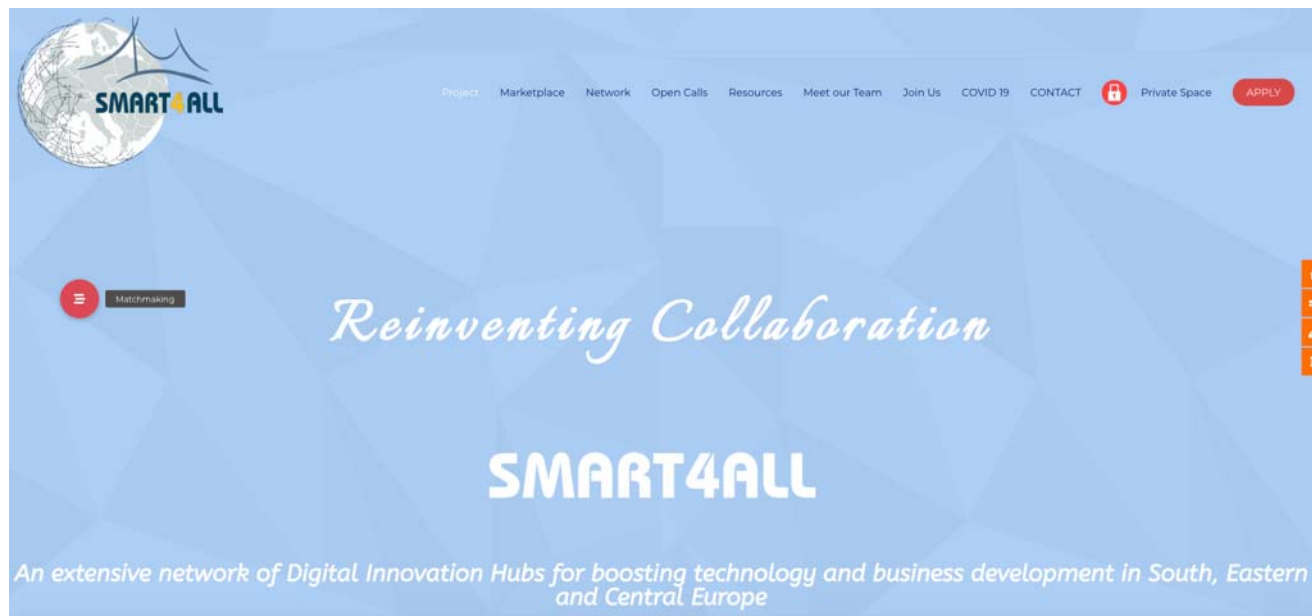
3 September 2021

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SMART4ALL Alati – Website projekta

<https://www.smart4all-project.eu>



- Vijesti vezane za projekat
- Pristup SMART4ALL uslugama
- Pristup SMART4ALL Mreži u Jugoistočnoj Evropi
- Oglašavanje Otvorenih poziva

First Open Call for Knowledge Transfer Experiments - Submission Countdown

42 04 09 15
Days Hours Minutes Seconds

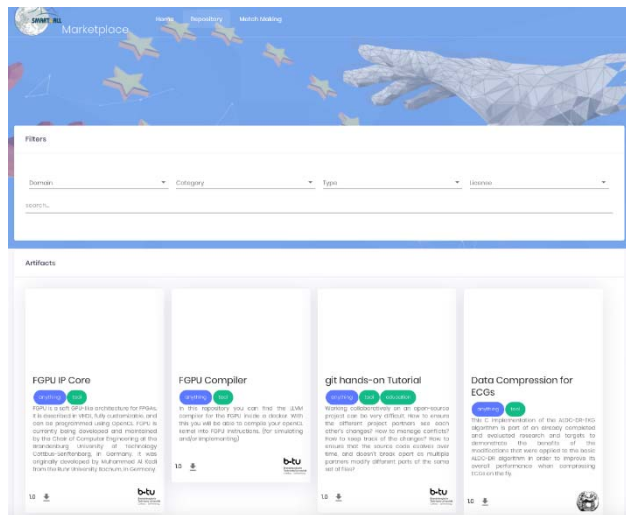
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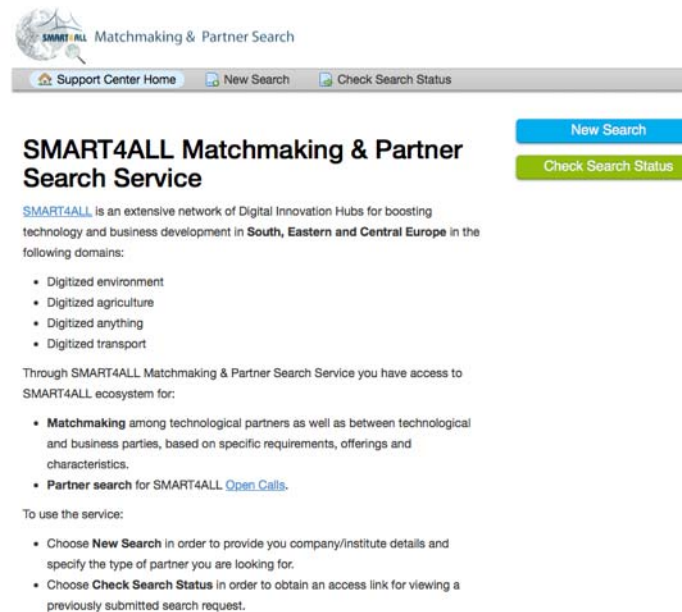
SMART4ALL Alati

Marketplace-as-a-Service



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Matchmaking usluga <https://matchmaking.smart4all-project.eu>

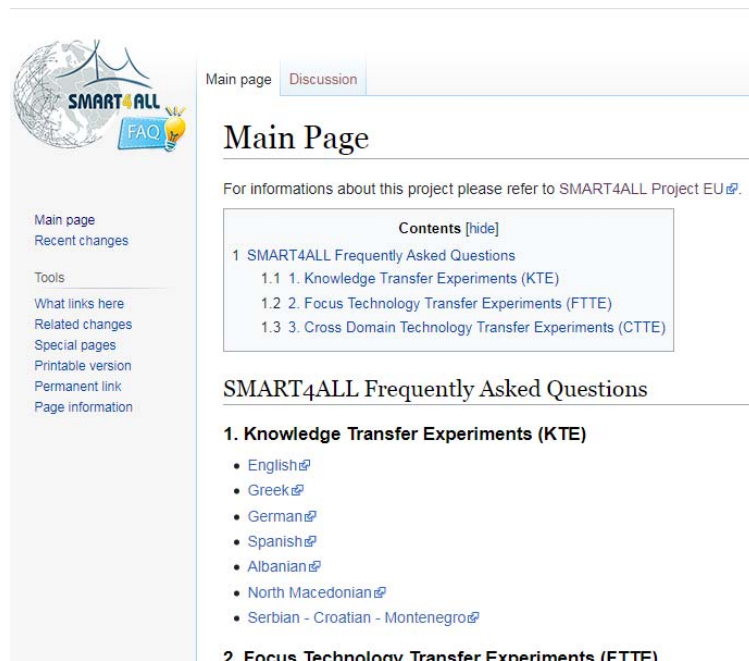


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FAQs na više jezika

https://faq.smart4all-project.eu/index.php/Main_Page

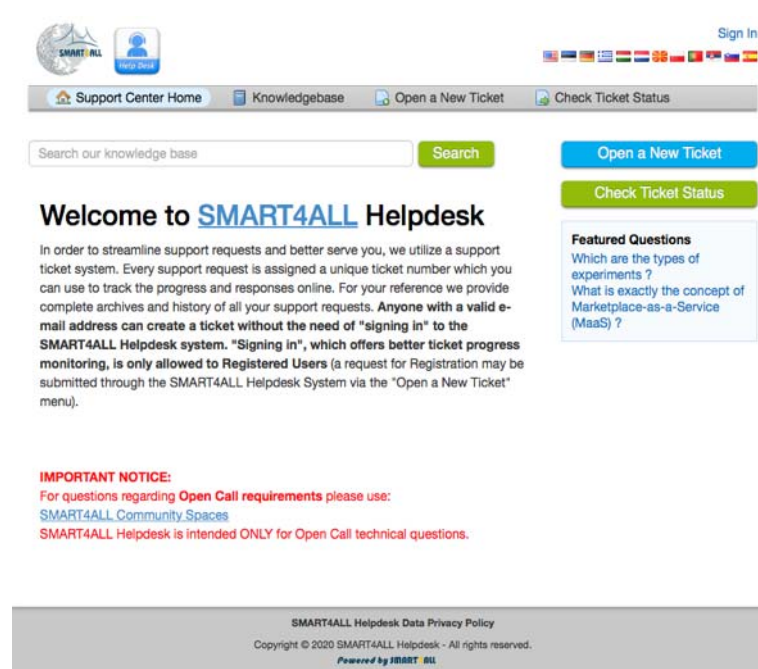


The screenshot shows the 'Main Page' of the SMART4ALL FAQ. It features a navigation menu on the left with links for 'Main page', 'Recent changes', 'Tools', 'What links here', 'Related changes', 'Special pages', 'Printable version', 'Permanent link', and 'Page information'. The main content area includes a 'Main Page' heading, a reference to the SMART4ALL Project EU, a 'Contents' table of contents, and a section for 'SMART4ALL Frequently Asked Questions' with sub-sections for '1. Knowledge Transfer Experiments (KTE)' and '2. Focus Technology Transfer Experiments (FTTE)'. The KTE section lists languages: English, Greek, German, Spanish, Albanian, North Macedonian, and Serbian - Croatian - Montenegro.

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Helpdesk

[https:// helpdesk.smart4all-project.eu](https://helpdesk.smart4all-project.eu)



The screenshot shows the SMART4ALL Helpdesk interface. It includes a navigation bar with 'Support Center Home', 'Knowledgebase', 'Open a New Ticket', and 'Check Ticket Status'. A search bar is present with a 'Search' button. The main content area features a 'Welcome to SMART4ALL Helpdesk' message, explaining the support system and providing instructions for creating tickets. An 'IMPORTANT NOTICE' section highlights that only registered users can create tickets. A 'Featured Questions' box is also visible on the right side.

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SMART4ALL Alati – Online podnošenje predloga

[https:// smart4all.fundingbox.com](https://smart4all.fundingbox.com)

SMART4ALL is a H2020 funded project (Grant Agreement No. 872614) that builds capacity amongst European stakeholders via the development of self-sustained, cross-border experiments that transfer knowledge and technology between academia and industry. It targets Customised Low-Energy Computing (CLEC) for CyberPhysical Systems (CPS) and the Internet of Things (IoT) and combines a set of unique characteristics that join together under a common vision different cultures, different policies, different geographical areas and different application domains. The SMART4ALL consortium is led by the University of Peloponnese (Greece) and is composed of 25 partners from Central, South and Eastern Europe.

SMART4ALL will design and implement 3 types of cross-border Pathfinder Application Experiments (PAEs):

1) Knowledge Transfer Experiments (KTE), which comprises of novel types of internship experiments allowing smaller projects, or less mature ideas to be presented, tested and thus potentially find the fertile ground to grow and reveal its product potentials;

The KTEs are a short-term (3 months) internship projects between two different entities from two different Countries : one Academic/Industrial partner who act as Sending Organization and one Academic/Industrial partner who act as Host Organization. ([see more details here](#))

Apply to our First Knowledge Transfer Experiments Open Call:

Starts on	April 15th, 2020 at 00:00 CEST
Ends on	July 15th, 2020 at 13:00 CEST

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SMART4ALL Otvoreni Pozivi

SMART4ALL će finansirati **67 Eksterna Eksperimenta (Pathfinder Application Experiments PAEs)** kroz **3 Tipa Otvorenih Poziva** u **3 navrata**, adresirajući ih na prioritete vertikalne:

- Digitalizovani Transport
- Digitalizovana Agrikultura
- Digitalizovana Životna Sredina
- Digitalizovano Bilo Šta (Digitized Anything)



Ciljevi poziva sa stanovišta Evropske Komisije

Izgradnja prekograničnih eksperimenata radi transfera znanja i tehnologije između univerziteta i industrije u sistemima male potrošnje energije (CLEC) za sajber-fizičke sisteme (CPS) i Internet stvari (IoT)

Ubrzanje digitalne transformacije društva i uvećanje digitalnih veština u geografskim područjima u kojima je to nedovoljno zastupljeno – Jugoistočna Evropa u četiri SMART4ALL tematske oblasti

SMART4ALL tematske oblasti- vertikale

SMART4ALL VERTICALS				
SMARTALL COMPETENCE FIELDS	DIGITIZED TRANSPORT	DIGITIZED ENVIRONMENT	DIGITIZED AGRICULTURE	DIGITIZED ANYTHING
		<ul style="list-style-type: none"> • Green transport • Smart mobility • Shared mobility • Robotics • New platforms for efficient supply-demand matchmaking • Automotive electronics • Autonomous vehicles • Connected vehicles • Streamlining transport using big data • Aeronautics and space applications • Transport and Logistics • City Transport Mapping 	<ul style="list-style-type: none"> • Smart building • Water pollution monitoring • Smart grids • Environment monitoring • Bio-diversity • Smart industry • Data processing & data visualization 	<ul style="list-style-type: none"> • Smart farming • AI inspired agriculture • Information based site specific applications • Demand driven, sustainable agriculture • Mobile plant, soil and environment sensors • Sensor networks – EU wide – cross-border • Field robotics and automation systems • UAV based agriculture and plant monitoring • Selective plant protection • Closed nutrient cycles • Agricultural decision support systems • Zero-energy food systems • Circular economy • Water, Energy and Food (WEF) efficiency • Revalorization of agricultural waste

SMART4ALL Tipovi Poziva (PAE koji se finansiraju)

PAE

Pathfinder Application Experiments

KTEs

*Eksperimenti
Transfera Znanja
(Knowledge Transfer
Experiments)*

Grant: 8000 €

Tip: Praksa

FTTEs

*Eksperimenti
Fokusiranog Transfera
Tehnologije
(Focused Technology Transfer
Experiments)*

Grant: 80 000€

Tip: Projekat

CTTEs

*Eksperimenti Unakrsnih
oblasti Transfera
Tehnologije (Cross-domain
Technology Transfer
Experiments)*

Grant: 80 000€

Tip: Projekat

- **Interni:** 21 FTTE (vertikalni) će biti razvijeni kroz SMART4ALL
- **Eksterni:** 67 KTEs/FTTEs/CTTEs će biti razvijeni kroz otvorene pozive za projekte

SMART4ALL Tipovi Poziva (PAE koji se finansiraju)

KTE – Knowledge Transfer Experiments (do 8.000 EUR)

Jedan partner (univerzitet ili preduzeće) **DONOR** šalje jednog eksperta u drugu partnersku kompaniju (univerzitet ili preduzeće) **DOMAĆINA** na stažiranje radi transfera znanja. **Ne mogu oba biti univerziteti!**

- Trajanje: **3 mjeseca (naredni poziv u Martu 2022)**

FTTE - Focused Technology Transfer Experiments (do 80.000 EUR)

Jedan partner (univerzitet ili preduzeće) **PROVAJDER TEHNOLOGIJE** prenosi drugom partneru (isključivo preduzeće) **PRIMALAC TEHNOLOGIJE** specifičan hardver ili softver kako bi unapredio neke proizvode ili procese. SME mora biti lider. **SAMO JEDNA TEMATSKA OBLAST**

- Trajanje: **9 mjeseci (zatvara se 15. Septembra 2021)**

SMART4ALL Tipovi Poziva (PAE koji se finansiraju)

CTTE - Cross-domain Technology Transfer Experiments

Kompleksniji multidisciplinarni transfer tehnologije uz izlaženje na nova tržišta. Tri partnerske institucije iz barem dve različite evropske države. Bar jedno preduzeće (**PRIMALAC TEHNOLOGIJE**) i dva **DONORA TEHNOLOGIJE**, pri čemu jedno od preduzeća mora biti lider. **BAR DVIJE TEMATSKE OBLASTI**

- **Trajanje: 9 mjeseci (naredni poziv u Septembru 2021)**

Prihvatljive zemlje za finansiranje kroz SMART4ALL

- Članice Evropske Unije i Ujedinjeno Kraljevstvo
- Priključene zemlje Horizontu 2020
http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cp/h2020-hi-list-ac_en.pdf
- Sve ostale zemlje Jugoistočne Evrope (SEE) koje nisu navedene u Horizon 2020 Priručniku EC-a ali su uključene u Aneksu A Radnog Programa (H2020 Work Programme)
- **Konzorcijum koji uključuje najmanje jednog člana iz zemalja Jugoistočne Evrope će imati **prioritet**: Albanija, Bosna i Hercegovina, Bugarska, Hrvatska, Mađarska, Kosovo, Moldavija, Crna Gora, Sjeverna Makedonija, Rumunija, Slovačka, Slovenija i Srbija**

Kada se možete prijaviti za SMART4ALL Pozive

Vrsta PAE		Poziv 1	Poziv 2	Poziv 3
Knowledge Transfer Experiments (KTE)	Otvaranje poziva	15. April 2020	15. Mart 2021	Mart 2022
	Rok za prijavu:	15. Jul 2020	15. Jul 2021	Maj 2022
Focused Technology Transfer Experiments (FTTE)	Otvaranje poziva	1. Jul 2020	15. Jun 2021	Jun 2022
	Rok za prijavu:	30. Septembar 2020	15. Septembar 2021	Avgust 2022
Cross Domain Technology Transfer Experiments (CTTE)	Otvaranje poziva	1. Decembar 2020	Septembar 2021	Septembar 2022
	Rok za prijavu:	15. Mart 2021	Novembar 2021	Novembar 2022

Još
1

Još
2

Još
2

Više o FTTE pozivu i procesu apliciranja ćete čuti tokom prezentacije prof. Borisa Antića

Pridružite se SMART4ALL mreži !

Pridružite se SMART4ALL mreži Južne, Istočne i Centralne Evrope:

- Subscribingom SMART4ALL newsletter:
<https://smart4all-project.eu/joinus>
- Korišćenjem SMART4ALL matchmaking usluga:
<https://matchmaking.smart4all-project.eu>
- Apliciranjem za SMART4ALL Otvorene Pozive:
<https://smart4all-project.eu/opencalls-apply-now>
- Koristeći SMART4ALL marketplace:
<https://smart4all-project.eu/marketplace>



SMART4ALL Social Media

Pratite SMART4ALL na:



<https://www.linkedin.com/groups/12369183>



https://twitter.com/Smart_4All



<https://www.facebook.com/SMART4ALL.Project>



<https://www.youtube.com/channel/UCwmSI9LCl2vNBO-3k75dvJA>

... i budite u toku sa najnovijim *SMART4ALL* novostima, aktivnostima & mogućnostima za finansiranje !

Hvala na pažnji– Pitanja?



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