

















### **SMART ADRIA**



**Building a new Smart Specialization Strategy** for sustainable and inclusive growth in Blue Economy

25.01.2021 - Branka Zizic - National S3 Coordinator

Ministry of Economic Development of Montenegro



## Smart Spacialisation Strategy of Montenegr





S3 framework development strategy important for EU integration



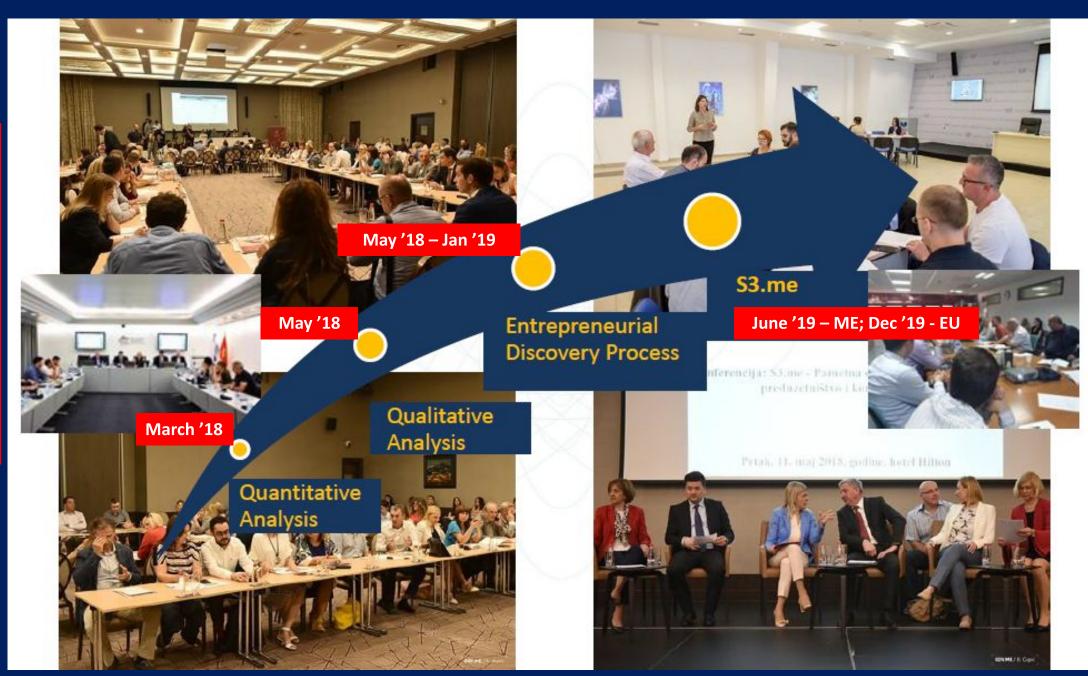
Sustainable agriculture and food value chain

Energy and sustainable environment

Sustainable and health tourism

### S3 strategy development – "entrepreneurial discovery - EDP"

More then 50 EDP workshops,
4 big conferences,
more then 500
participants in the
process



S3 – policy dynamics



Business as usual?
Uncertainty?
Risk?
Correct EDP?
Good data?
EU Acquis?
Enhanced green transition?



## Smart Specialization Strategy (S3) – key features

S3 is an important driver of development and prosperity and includes:

- Entrepreneurial discovery (science-technology-innovation)
- Convergence of initiatives, projects and stakeholders
- Structural change ("creative destruction")
- Aspirational vision (roadmaps, action plans)
- But not:
  - "Horizontal" support of all sectors and domains
  - "Central planning" by decision makers (public or private)

Source: After Foray, 2012

# From Smart Specialisation to Sustainable Smart Specialisation (S3 >> S4)

- "Made in EU" approach to optimise research and innovation investments in EU regions and Member States
- Deepening Smart Specialisation also means encompassing the sustainability dimension, delivering on the agenda of the European Commission and achieve competitive sustainability.
- Beyond its economic and social aspect, the green dimension of Smart Specialisation will be further enhanced, in line with the European Green Deal.
- Altogether, this will pave the way for economically, socially and environmentally robust and modern Smart Specialisation, in a nutshell sustainable Smart Specialisation.

Source: Mikel Landabaso Álvarez, JRC - EC

### #GreenDeal

EUROPE WILL BE
CLIMATE
NEUTRAL BY
2050

**European Climate Law - 2020** 



EU will become global green leader and will embed climate issues in its international relations

Public and private financial instruments for new economic opportunities

Just transition – special support for regions and sectors particularly affected by the green transition

Projects which EU will fund will speed up the Green transition
Europe will put its biodiversity on the path of recovery until 2030

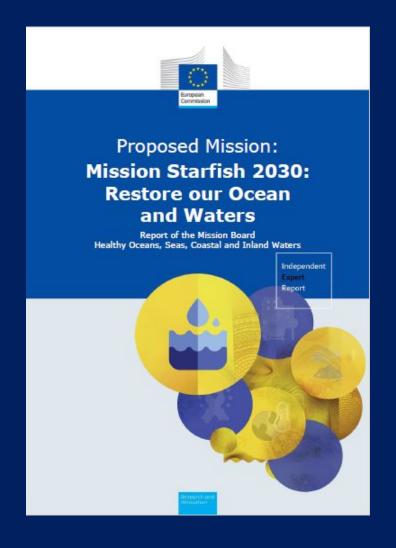


## Example: Horizon Europe (2021 – 2027)

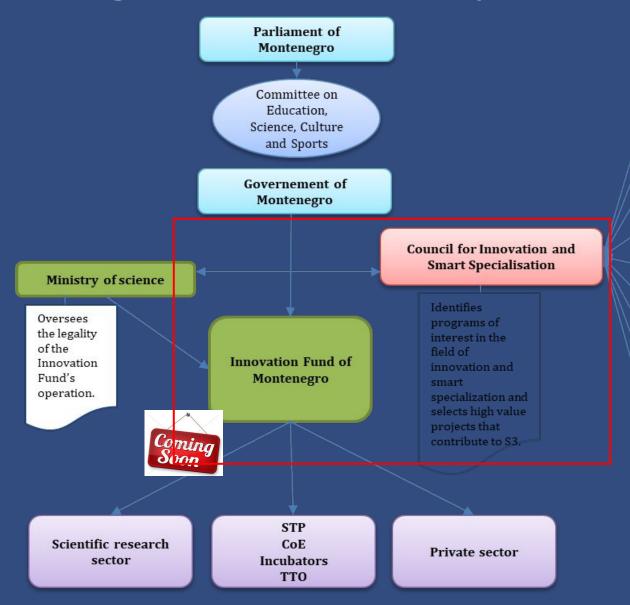
 Mission Starfish 2030: Restore our Ocean and Waters

Targets by 2030: cleaning marine and fresh waters, restoring degraded ecosystems and habitats, decarbonising the blue economy in order to sustainably harness the essential goods and services they provide.

What can we do to achieve a common mission?



## Montenegrin Innovation System



Ministry of economy

Ministry of education

Ministry of agriculture and rural development

Ministry of sustainable development and tourism

Ministry of public administration

Ministry of health

Other ministries

Statistical office of Montenegro

Business associations (CEM, MEF, MBA i dr.)

New structures introduced as part of S3 strategy adoption (legal changes Aug 2020)

Informal
iniciatives:
IT Cluster
Digital factory
Digitalizuj.me
Coworking space
etc.

n.b: picture is not updated with new Gov structure

## Support instruments for R&I

INNOVATION PROJECTS

S.me

business academia validated start-ups START-UP EARLY DEVELOPMENT SUPPORT

> Business Creatives

EUREKA

H2020

CENTERS OF EXCELLENCE

600,000 / y

academia business public sector

NAL

₹CH

CTS

S.me

PRE-ACCELERATION

START-UPS

PROGRAMME FOR

S.me Busin

**Bottom-up grants** 

Thematic orientation to S3 priorities

No pre-defined flagship financing

No challenge-driven financing

>> space for improvement of S3 policy mix

H2020 — COST Hop-on call

600,000 / y

academia business public sector

INNOVATION VOUCHERS

companies introducing process innovations

S3 CLUSTER
DEVELOPMENT

Business Academia

S.me

Business (Agriculture+Food) DOCTORAL FELLOWSHIPS 250,000 / y

academia

### **Current activities**

- Active project of the JRC to support creation of the Operational Programme for S3 >> better programming
- Regional project: Smart Specialisation (S3) implementation framework in Enlargement & Neighbourhood countries (JRC - in course)
- S3 embedded in the Economic Reform Programme 2021-2023
- Innovation Fund of Montenegro to be established as a central implementing institution
- New Council for Innovation and Smart Specialisation to be established
- Stimulating innovation legislation being prepared for implementation
- S3 ICT Cluster under contracting



## Centre of excellence for biomedical research – CEBIMER

Institut "Dr Simo Milošević" - Igalo

- 1. Development and application of apheresis therapy as a preventive medicine offer;
- 2. Full characterisation of healing sea mud from Igalo basin
- 3. Full characterisation of selected autochtonous plants from ME for the purpose of nutritive therapy 2020-2022

**Project:** Balneological effects of peloid, mineral water and aromatic plants at reumathoid and cardiovascular diseases - BEPMARK Institut "Dr Simo Milošević" - Igalo 2018-2020

## PHYSICO-CHEMICAL CHARACTERIZATION OF IGALO BAY PELOID (MONTENEGRO) AND ASSESSMENT OF THE POLLUTION OF POTENTIALLY TOXIC ELEMENTS IN THE SAMPLING AREA

Authors Miljan Bigovic, Milovan Roganovic, Ivana Milasevic, Dijana Djurovic, Vjeroslava Slavic,

Milica Kosovic, Mia Vlahovic, Svetlana Perovic, Andrej Perovic, Vlatko Kastratovic,

Zorica Potpara, Milica Martinovic, Snezana Pantovic

Publication date 2020/5/1

Journal FARMACIA

### Organic composition of Igalo bay peloid (Montenegro)

Authors Miljan Bigovic, Snezana Pantovic, Ivana Milasevic, Ljubica Ivanovic, Dijana Djurovic,

Vjeroslava Slavic, Milica Popovic, Miroslav Vrvic, Milovan Roganovic

Publication date 2019/10/15

Journal Indian Journal of Traditional Knowledge (IJTK)

DOI: 10.4066/BIOMEDICALRESEARCH.29-18-873 · Corpus ID: 56214276

### Heat shock protein 27 and glycogen phosphorylase isoenzyme BB as markers of myocardial stunning in male water polo players

S. Pantović, V. Slavić, M. Roganovic • Published 2018 • Medicine • Biomedical Research-tokyo

Introduction: Sudden cardiac death has a tendency to increase among elite athletes. It has been reported that endurance exercise increased serum concentrations of cardiac biomarkers in elite athletes although it is unclear whether is clinically significant or is a part of the physiological response. Lately, the theory of myocardial stunning is attractive since there is no permanent cellular damage and is transient nature. This prompts us to evaluate the



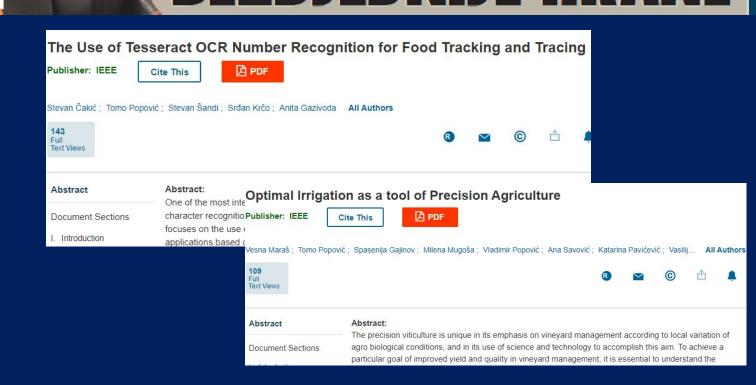
## Centre of excellence for digitalisation in food safety - FoodHub

**University Donja Gorica** 

- 1. Development and application of apheresis therapy as a preventive medicine offer;
- 2. Full characterisation of healing sea mud from Igalo basin
- 3. Full characterisation of selected autochtonous plants from ME for the purpose of nutritive therapy 2020-2022

Project: DIPOL
Digital transformation of
Agriculture and Food Supply Chain
in Montenegro
University Donja Gorica
2018-2020

# UDRUZENIM SNAGAMA DO KVALITETNIJE I



BEZBJEDNIJE HRA

## **Marine Biodiversity Conservation Centre**

Institute for Marine Biology Kotor, University of Montenegro

60 years of research tradition

Aquarium Boka, opened in 2020 Grants of the Norwegian and Montenegrin Governments

- New research and innovation opportunities
- Enriched tourist offer of Kotor Bay region





**Project:** "Valorization of Montenegrin katuns through development of sustainable agriculture and tourism - KATUN" Biotechnical Faculty, **Historical Institute** 2016-2018

#### THE KATUNS -RURAL BUILDINGS AS A PERSPECTIVE OF SEASONAL MOUNTAIN SETTLEMENTS IN MONTENEGRO

Conference Paper Feb 2016



Ivan Laković · 🔘 Sanja Pekovic · 🚯 Dina Statuto · 🌘 Pietro Picuno

Rural buildings play a central role on the environmental characteristics of the extra-urban land. They accompanied in the centuries the development of agricultural activities of the man who...

View

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Ų.		
using	Rural huts	
using	Caves	
ousing	Separate shelters for daily or seasonal stay	
ousing	Simple building for daily or seasonal stay	
ns of nt	Colonial type	
ns of	Casini holiday	
nt	Little fortress	
ns of		

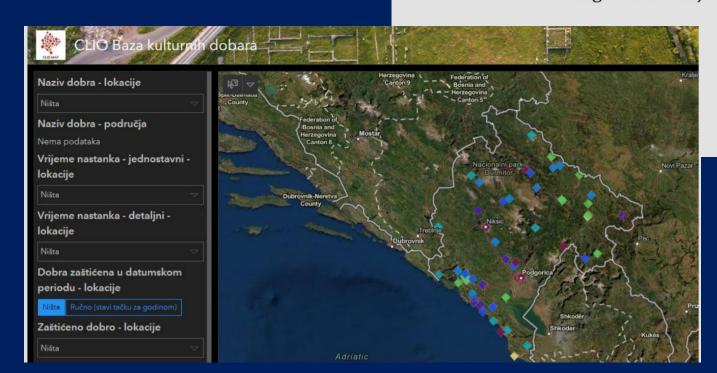


Project: Montenegro on the political and cultural map of Europe – CLIO MAP
Historical Institute
2019-2020



# Mapping cultural heritage: CLIO MAP, Montenegro

Olga Pelcer-Vujačić, Marko Krevs, Zerina Ćatović





### **Project: Genetical and genomic diversity of** vine in Montenegro 13. Jul Plantaže Od 2012

CRNA GORA KOLIJEVKA VINOGRADARSTVA NA BALKANU

### Vinska istorija zapisana u genima vranca i kratošije

Kako je istorija crnogorskog vinogradarstva zapisana u njenim sortama? Čiji je potomak naš vranac, kako je potvrđena njegova autohtonost, ko su njegovi roditelji? Zašto je kratošija najstarija crnogorska sorta koja ima brojne potomke u Crnoj Gori i koja se širila svijetom, i gaji pod imenom primitivo u Italiji, zinfandel u Kaliforniji, tribidrag ili crljenak kaštelanski u Hrvatskoi?

@ 13922 pregleda f 425 reakcija @ 5 komentar(a)









### scientific reports

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Article Open Access | Published: 14 September 2020

### Population genetic analysis in old Montenegrin vineyards reveals ancient ways currently active to generate diversity in Vitis vinifera

Vesna Maraš, Javier Tello, Anita Gazivoda, Milena Mugoša, Mirko Perišić, Jovana Raičević, Nataša Štajner, Rafael Ocete, Vladan Božović, Tatjana Popović, Enrique García-Escudero, Miodrag Grbić, José Miguel Martínez-Zapater & Javier Ibáñez □

Scientific Reports 10, Article number: 15000 (2020) | Cite this article

**1955** Accesses **6** Altmetric Metrics

### **PROJECTS**:

- Effects of phisical exercise on the inclusion of elderly in the society
- Effects of autophagia and phisical exercise on body composition, BMI, stress, healthy behaviour, cognitice capacities and social inclusion of the elderly
- Montenegrin platform for innovations in sports Faculty of Sports, UCG 2018-2021





### Stevo Popovic [orcid.org/0000-0002-6633-3575]

Associate Professor, Faculty for Sport and Physical Education, University of

Montenegro Verified email at ucg.ac.me - <u>Homepage</u>	
Sport Science	

TITLE	CITED BY	YEAR
Worldwide trends in body-mass index, underweight, overweight, and obesity from 1975 to 2016: a pooled analysis of 2416 population-based measurement studies in 128· 9 million L Abarca-Gómez, ZA Abdeen, ZA Hamid, NM Abu-Rmeileh, The Lancet 390 (10113), 2627-2642	2732	2017
Body height and its estimation utilising arm span measurements in Montenegrin adults D Bjelica, S Popović, M Kezunović, J Petković, G Jurak, P Grasgruber Anthropological Notebooks 18 (2), 69-83	212	2012
Rising rural body-mass index is the main driver of the global obesity epidemic in adults NCD-RisC Nature 569 (7755), 260–264	191	2019

Cited by		
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10-index	133	132
		3200
	_	2400
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## **Challenges in transforming S3 >> S4**

- Activated EDP but still looking for a right method of participation (high interest for participation)
- Teamwork institutional silos? >> S3 Council coordination
- Special challenge to create a portfolio of development projects with sustainability embedded >> EU funds, PPP, private investments + technical assistance
- Balance of bottom-up and top-down initiatives?
- Performing key institutions / emerging stakeholders?
- Continuous public communication responsible research and innovation?

### Resources

- https://s3platform.jrc.ec.europa.eu/s3-platform
- https://ec.europa.eu/info/horizon-europe/missions-horizon-europe
   en
- https://rsaeurope.org/event/2020-smarter-webinar3/

### Thank you!

Branka Žižić

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Ministry of Economic Development

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