



CRNA GORA
MINISTARSTVO NAUKE

Montenegrin instruments for supporting innovation

EIC Roadshow

Podgorica, 19.09.2019.

Branka Zizic, acting DG for Innovation

Strategic framework

- Strategy of Innovation Activity (2016–2020);
- Strategy of Scientific-Research Activity (2017–2021);
- Strategic Plan for Development of the Science and Tech. Park in Montenegro (2012);
- Smart Specialisation Strategy S3 (2019-2024)
- Collaborative Programme for Innovation 2019 – 2024
- Programme for Supporting Innovative Start-ups 2019-2021

Legislative framework

- Law on Innovation Activity (Official Gazette of Montenegro, no. 42/16);
- Law on Scientific Research Activities (Official Gazette, no. 80/10 and 57/14);
- Process of amending Law on Innovation and preparation of a new Regulation on fiscal incentives for research & innovation – in course



Montenegrin Research & Innovation Ecosystem



Direction of innovations?

Bottom-up
Top-down
Networked

...

Open innovations



private
sector

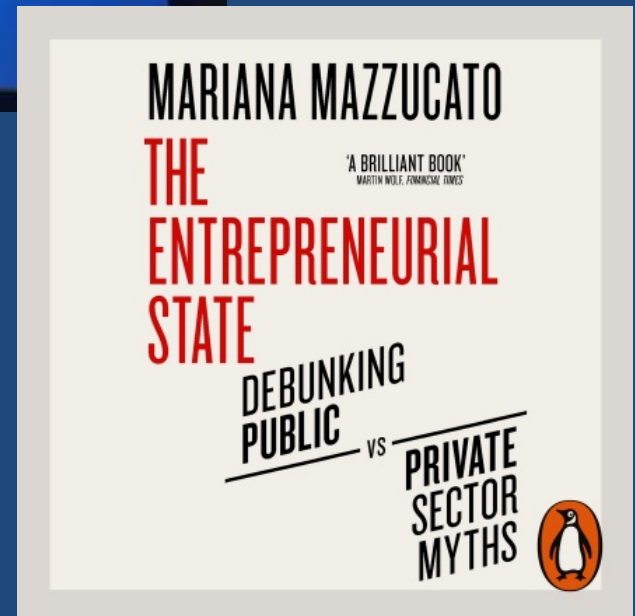
vs.

public
sector

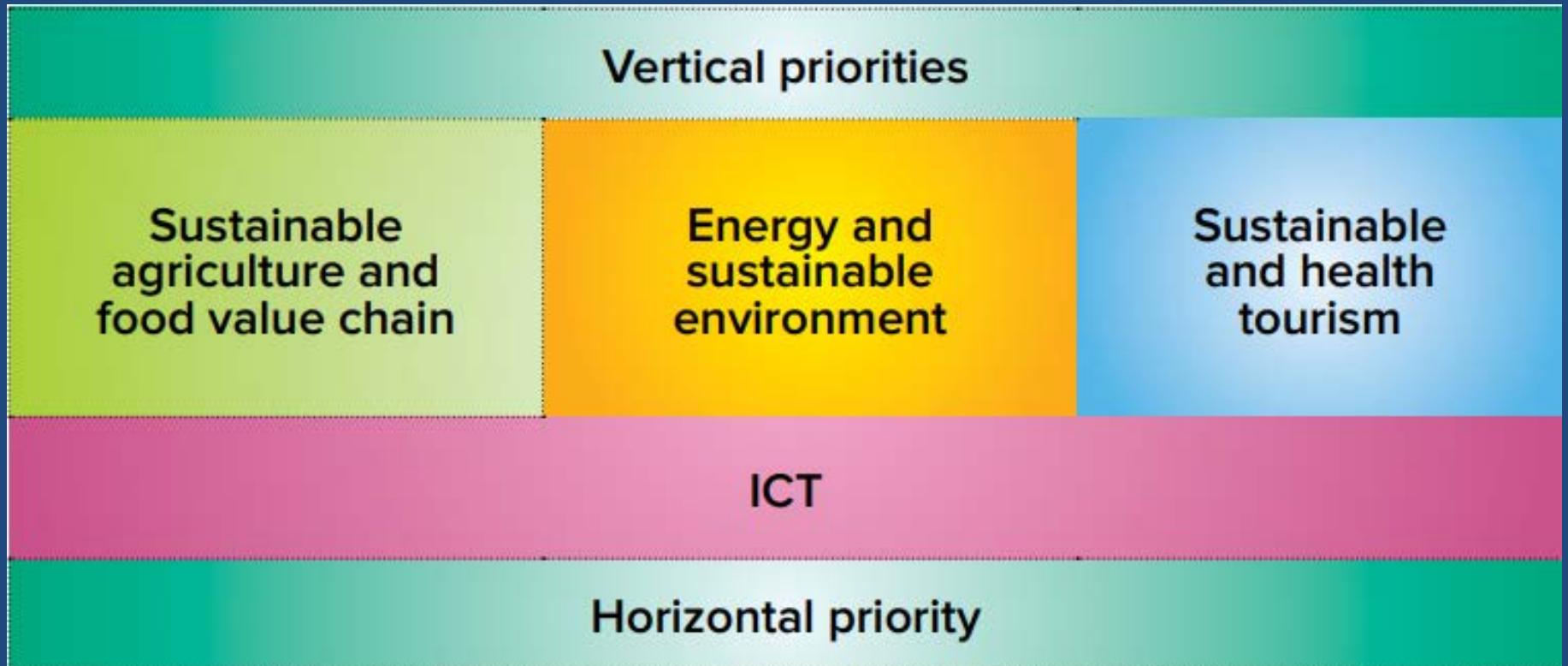
Smart
Specialisation
+
Role of the
Council for
Innovations
and S3

According to Mazzucato, responsible investments have a more predictable social value than economic one, meaning symbolic and financial dividends from investing into innovations can really change the world for the better...

Instead of fixing problems that arise on the market (or happen to market) the state should act proactively and create "missions"





S3 priority domains



<http://www.mna.gov.me/ResourceManager/FileDownload.aspx?rid=375201&rType=2&file=Smart%20Specialisation%20Strategy%20of%20Montenegro%202019-2024.pdf>

Funding instruments for innovation - 1

MINISTRY OF SCIENCE

- 2017 - Pilot call for innovative projects – up to 25,000 €, 5 projects supported, total 61,000 €
- 2018 – First call for innovative grants - 10 projects total funding of 730,000€ (matching grants, total of 1,2M)
- 2019 – Second call for innovative grants – deadline 20 September (matching grants)
- 2019 – Call for strategic partnership for pre-acceleration programme for innovative start-ups – deadline 17 September 
- Since 2013, continuous: Co-financing of EUREKA partnership projects (up to 15,000 € / year)
- 2019 – Call for small support for grassroots initiatives (trainings, events, hackatons, visiting fellows etc.) – 60,000 € - 9 projects, still open... 
- 2019 - IPA – Pre-accession funding for innovative projects – evaluation in course

Quality assurance

- Two stage international independent expert evaluation
 - 1st stage distant
 - 2nd stage interviews
- Practice established through the HERIC – World Bank financed programme of the MoS, as inbest practice
- Transposed to the current programme for innovations of the Ministry

Funding instruments for innovation - 2

MINISTRY OF ECONOMY

- Programme for the Improvement of Competitiveness of Economy > Line for the improvement of innovativeness - Consultancy services for innovation (all types of innovation – innovation vouchers), open call during the year, until 30 September 2019 - 3,500€ co-financing
- Innovations in digitalisation of business processes – under preparation

MINISTRY OF CULTURE

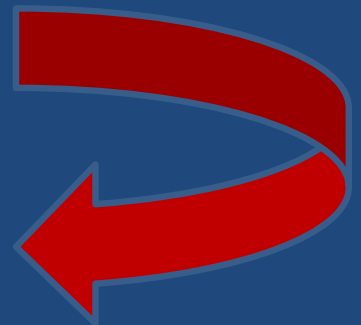
- Programme “Creative Montenegro” > Support for innovations in creative industries and product design, 2018/2019 – up to 10,000 € per project

Risk funding

- No venture capital fund in MNE
- Low culture of business angel support
- Regional funds available: ENIF (e.g. South Central Ventures)
- Foreign private investors ...



Overcoming „the death valley“ from Montenegro



Building a strong research & innovation ecosystem:
Support services, easiness of business, physical infrastructure, living conditions, openness to the world, impact for the home country

Financial instruments

- Guarantee fund of the Investment-Development Fund (covers 50% of the loan)
- InnoFin guarantee fund of ERSTE bank in cooperation with European Investment Fund – support for innovative companies and investments in R&D

Innovation funding overview

**GRANTS FOR
INNOVATION
PROJECTS**
0,7 M / year

business
academia
validated start-ups (from
2020)

EUREKA
90,000 / y

business
academia

**CENTERS OF
EXCELLENCE**

600,000 / y

academia
business
public sector

**PRE-ACCELERATION
PROGRAMME FOR
START-UPS**
120,000 +/- year

innovative start-ups
S3 & SDG priorities

**HORIZON -
EIC**

Untapped!

**NATIONAL
RESEARCH
PROJECTS**

600,000 / y

academia

**INNOVATION
VOUCHERS**
50,000 / year

companies introducing
all types of innovations

**INNOVATIVE
PROJECTS IN
CREATIVE
INDUSTRIES**
50,000 / year

**DOCTORAL
FELLOWSHIPS**

250,000 / y

academia

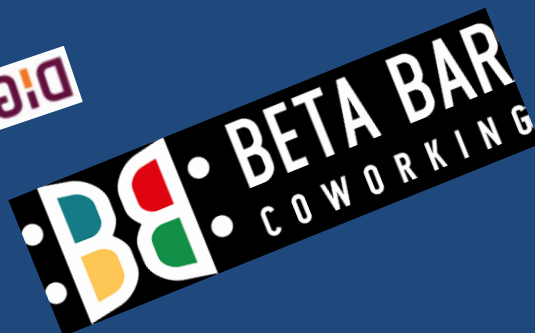
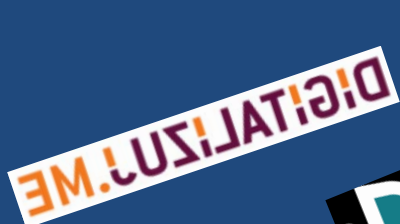
Infrastructure



Science-Technology Park of Montenegro
- Podgorica, expected: end of 2020



Tehnopolis - Niksic



Networking

- Full member of **Horizon 2020** programme 2014-2020 – access to EIC instruments > National contact point in the Ministry of Economy, H2020 coordination from the Ministry of Science
- Member of **EUREKA** programme since 2012
- Intensifying cooperation with **EIT – European Institute for Innovation & Technology**: start-up competitions, summer / winter schools for students, trainings;
- Application for smart specialisation EU platforms: energy, food, smart buildings... Stay updated: www.s3.me – *soon online*

List of projects from pilot call

INSTITUCIJA/ RUKOVODILAC	OBLAST – FRASCATI	NAZIV PROJEKTA/ AKRONIM	POČETAK PROJEKTA	UKUPNA VRJEDNOST	FINANSIRANJE OD MNA
SUFINANSIRANJE INOVATIVNIH PROJEKATA					
Univerzitet Crne Gore Biotehnički fakultet Prof. dr Nedeljko Latinović	4- Poljoprivredne nauke 401- Poljoprivreda, šumarstvo i ribarstvo	1. Ispitivanje biološke efikasnosti novosintetisanih jedinjenja i biljnog ekstrakta prema najznačajnijim oboljenjima vinove loze u Crnoj Gori BIOEXTRA	01.03.2018.	25.000 €	15.000 €
Institut za javno zdravlje Prof. dr Irena Nikolić	2- Tehničko–tehnološke nauke 205- Inženjerstvo materijala	2. Novi materijali na bazi otpada iz industrije čelika NEWMAT	01.01.2018.	18.000 €	10.000 €
Univerzitet Crne Gore Biotehnički fakultet Prof. dr Vučeta Jačimović	4- Poljoprivredne nauke 401- Poljoprivreda, šumarstvo i ribarstvo	3. Individualna selekcija divljeg šipka (nara) iz heterogene prirodne populacije ISDŠ	01.01.2018.	20.000 €	12.000 €
Institut "Simo Milošević" Doc. dr Snežana Pantović	3- Medicinske nauke 302- Klinička medicina	4. Balneološki efekti peloida, mineralne vode, ljekovitog i aromatičnog bilja na inflamatorni odgovor kod reumatičnih i kardiovaskularnih bolesti BEPMARK	01.03.2018.	127.000 €	12.000 €
Q-TEK d.o.o. Dr Dmitry Tarasov	2- Tehničko–tehnološke nauke 206-Medicinsko inženjerstvo	5. Uređaj za određivanje antioksidantne aktivnosti BLIZAR	01.01.2018.	26.600 €	12.000 €

List of innovative projects – 2018 call

Fleka d.o.o. Miloš Milošević	1- Prirodno-matematičke nauke 102- Računarske nauke i informatika	2. Stvaranje nove aplikacije za video konferencije koja će nadmašiti postojeća rješenja TALKINI	01.01.2019.	137.568 €	94.977 €
AD "Pollex" Berane Kristina Vujisić	2- Tehničko-tehnološke nauke 205- Inženjerstvo materijala.	3. „Production of Lithium Perchlorate – PLP (Proizvodnja litijum perhlorata – PLP)“	25.03.2019.	107.200 €	55.000 €
Business Universal Media d.o.o. Dražen Raičković	1- Prirodno-matematičke nauke 102- Računarske nauke i informatika	4. Kreiranje inovativnog rješenja koje predstavlja elektronsku aplikaciju koja će kompanijama omogućiti povećanje efikasnosti administrativnih procedura. PROVENTUM	01.01.2019.	147.300 €	99.990 €
Univerzitet Donja Gorica Fakultet za informacione sisteme i tehnologije Doc. dr Marko Simeunović	1- Prirodno-matematičke nauke 102- Računarske nauke i informatika	5. Monitoring sistem za parametre životne sredine u realnom vremenu (Real-time environmental parameters monitoring system) RTEPMS	01.01.2019.	99.080 €	69.080 €
M-tel d.o.o. Dušan Radusinović	1- Prirodno-matematičke nauke 102- Računarske nauke i informatika	6. Energetski efikasna pametna kuća (Energy Efficient Smart Home) E2SH	01.01.2019.	200.000 €	100.000 €
Fleka d.o.o. Marko Lekić	1- Prirodno-matematičke nauke 102- Računarske nauke i informatika	7. Virtualni POS (Virtual POS), efikasno rješenje za sve prisutnije zahtjeve elektronske trgovine VPOS	01.01.2019.	136.472 €	95.530 €

Continued...

M-tel d.o.o. Milica Raičević	2- Tehničko-tehnološke nauke 206- Medicinsko inženjerstvo	8. Uvođenje elektronskih protokola (Introduction of electronic protocols) ELPR	01.01.2019.	120.000 €	60.000 €
Univerzitet Donja Gorica Fakultet za prehrambene tehnologije, bezbijednost hrane i ekologiju Prof. dr Aleksandra Martinović	4- Poljoprivredne nauke 402- Stočarstvo i mljekarstvo	9. Inovacija proizvoda i procesa u crnogorskoj prehrambenoj industriji (Products and process innovation in the Montenegrin food industry) INNOFOOD	01.01.2019.	99.089 €	69.651 €
Univerzitet Donja Gorica Fakultet za informacione sisteme i tehnologije Prof. dr Biljana Stamatović	1- Prirodno-matematičke nauke 102- Računarske nauke i informatika	10. Pridruživanje permanentnoj mreži EUREF sa više GNSS CORS stanica u Crnoj Gori (Joining to EUREF permanent network with Multi GNSS CORS Stations in Montenegro) MontePN	01.01.2019.	85.250 €	59.675 €

Next steps

- Reconsider barriers
- Monitoring and mentoring
- Strategic connection of the support domains (covering all types and phases of innovation)
- Nurturing talent in entrepreneurship & innovation
- Favourable business environment

Useful links

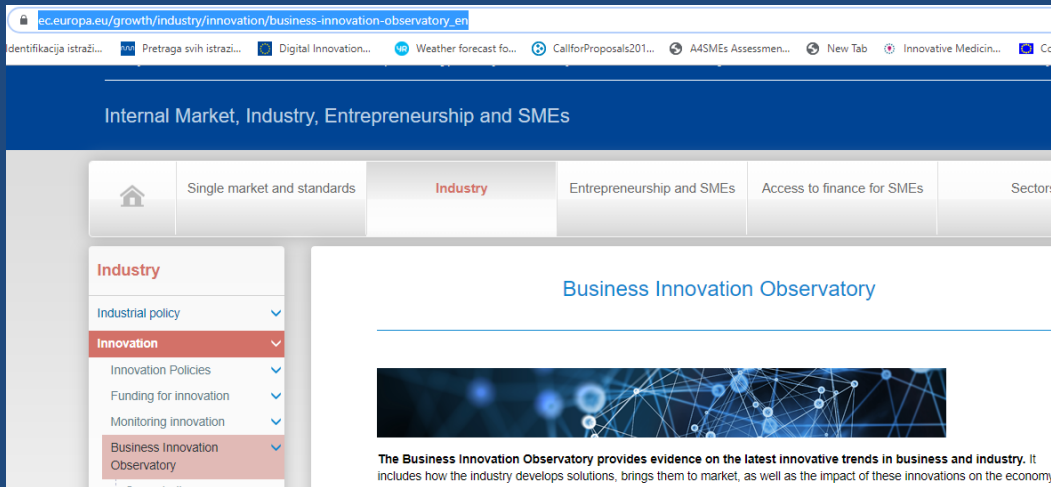
<http://www.mna.gov.me/vijesti/204408/Ministarstvo-nauke-objavljuje-Konkurs-za-dodjelu-grantova-za-inovativne-projekte.html>

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<http://www.access4smes.eu/>



The screenshot shows a web browser window with the URL ec.europa.eu/growth/industry/innovation/business-innovation-observatory_en. The browser's address bar and several tabs are visible at the top. The main content area features a blue header with the text "Internal Market, Industry, Entrepreneurship and SMEs". Below this is a navigation menu with tabs for "Single market and standards", "Industry" (which is highlighted in red), "Entrepreneurship and SMEs", "Access to finance for SMEs", and "Sectors". A left-hand sidebar menu is open, showing a tree structure with "Industry" at the top, followed by "Industrial policy", "Innovation" (highlighted in red), and "Business Innovation Observatory". Under "Innovation", there are sub-items: "Innovation Policies", "Funding for innovation", and "Monitoring innovation". Under "Business Innovation Observatory", there is a sub-item "Case studies". The main content area displays the title "Business Innovation Observatory" above a blue graphic of a network of nodes and lines. Below the graphic, a short paragraph reads: "The Business Innovation Observatory provides evidence on the latest innovative trends in business and industry. It includes how the industry develops solutions, brings them to market, as well as the impact of these innovations on the economy."