







"Smart Cities" Cercetare | Dezvoltare | Inovare | Cooperare internationala

UEFISCDI

Prof. Adrian Curaj





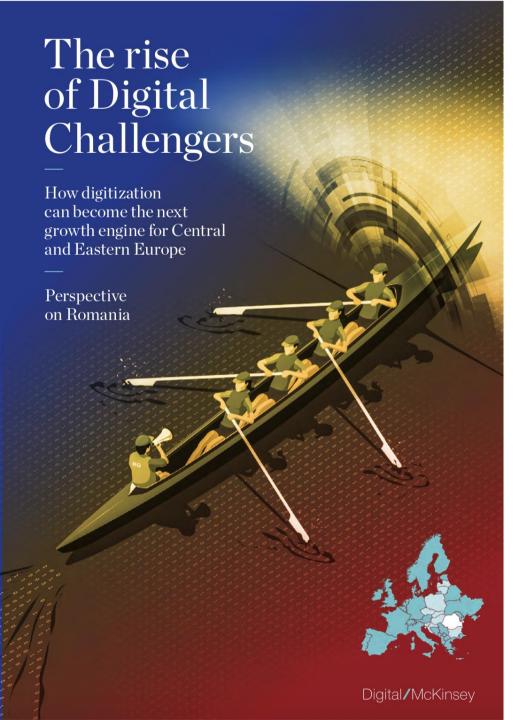
Figure 1.3 The UN 17 Sustainable Development Goals (SDGs), implemented by all the world's countries in 2016.

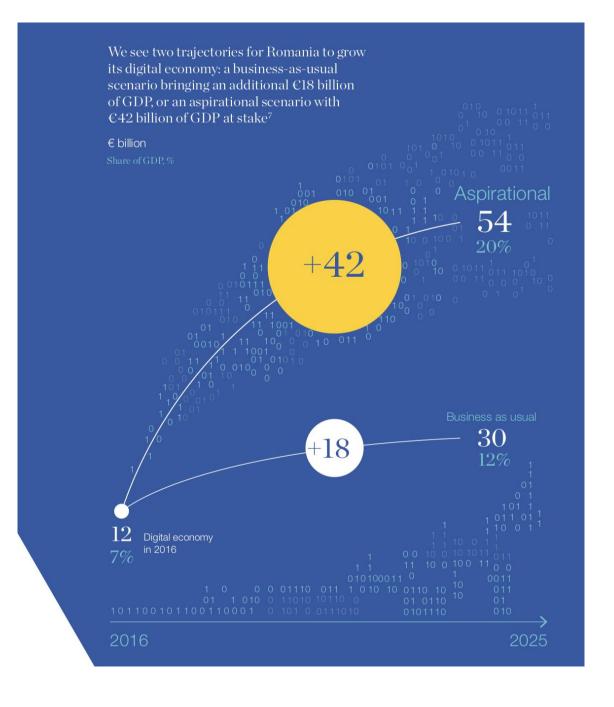


Fueled by

Digitization Mobilization Augmentation Disintermediation Automation Biological transformations







Romania, prin UEFISCDI, membra in initiative europene si internationale:

Joint Programming Initiative
Urban Europe
(JPI Urban Europe)

- ERA-Net Smart Cities & Communities (2015)
- ERA-Net Smart Urban Futures (2016)
 - ERA-Net Sustainable Global Urbanisation (2016)
 - ERA-Net Urban Connectivity and Accessibility (Dec. 2019-2020)

2015 - prezent

Positive Energy Districts (PED)

SET Plan Action 3.2

2019



Joint Programming Platform Smart
Energy Systems
JPP Era-Net SES
(SET Plan Action 4)

- Smart Grids Plus
- Smart Energy Systems
 - MICall19

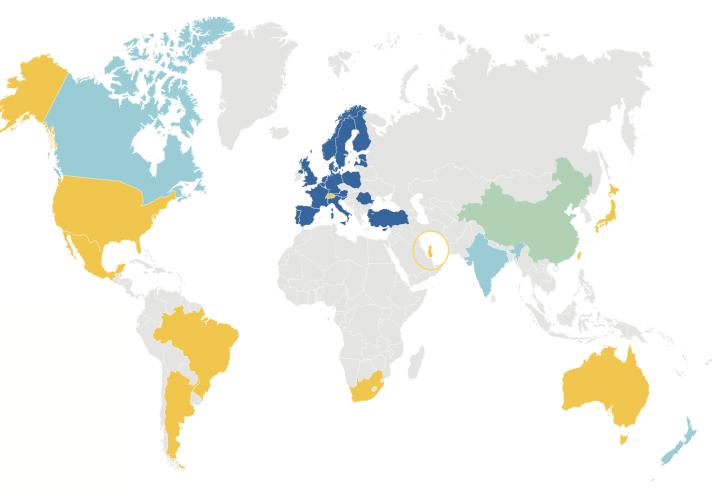
2015 - prezent





Romania, prin UEFISCDI, este membru activ al Joint Programming Initiative Urban Europe

peste 20 de tari implicate



JPI Urban Europe

Members: Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Italy, Latvia, Netherlands, Norway, Slovenia, Sweden, United Kingdom Observers: Estonia, Poland, Portugal, Romania, Spain, Turkey

China

Joint call under development, relationships with various organisations established (funding agencies, research organisations, urban planning organisations)

- Argentina, Australia, Brazil, Japan, Mexico, Qatar, USA, South Africa, Switzerland, Chinese Taipei
 Joint call related to Belmont
 Forum and SUGI
- New Zealand, India, Canada Exploration of cooperation opportunities





100 Positive Energy Districts & Neigbourhoods (PED) by 2025

"Positive Energy Districts are energyefficient and energy-flexible urban areas which produce net zero greenhouse gas emissions and actively manage an annual local or regional surplus production of renewable energy. They require integration of different systems and infrastructures and interaction between buildings, the users and the regional energy, mobility and ICT systems, while optimising the liveability of the urban environment in line with social, economic and environmental sustainability."



Map: Malin Danielsson · Get the data · Created with Datawrapper





Romania in PED: primul exercitiu de mapare





BOOKLET OF POSITIVE ENERGY DISTRICTS IN EUROPE

A compilation of projects towards sustainable urbanization and the energy transition



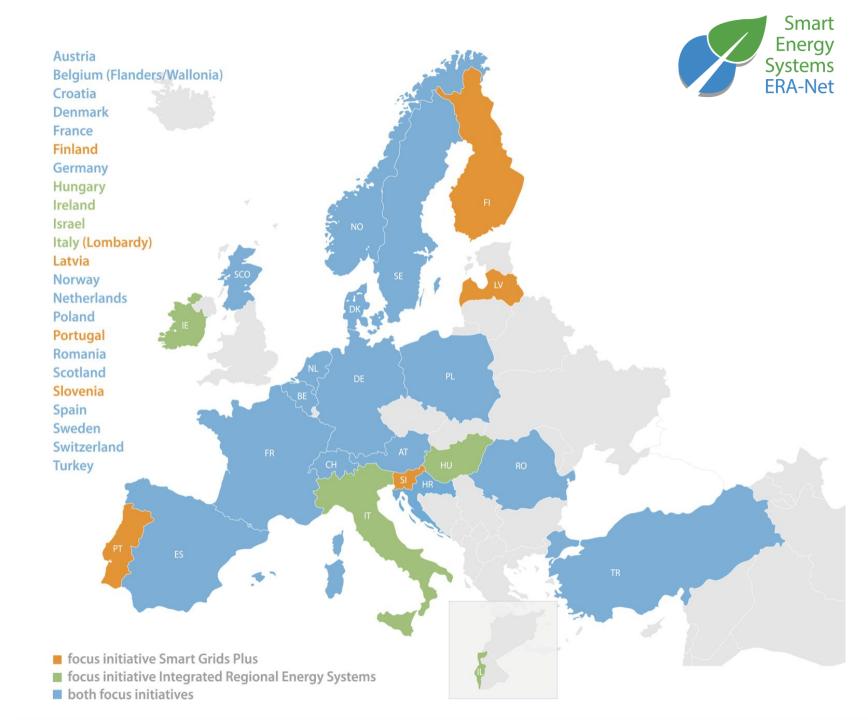


Sursa: https://jpi-urbaneurope.eu/app/uploads/2019/04/Booklet-of- PEDs JPI-UE v6 NO-ADD.pdf

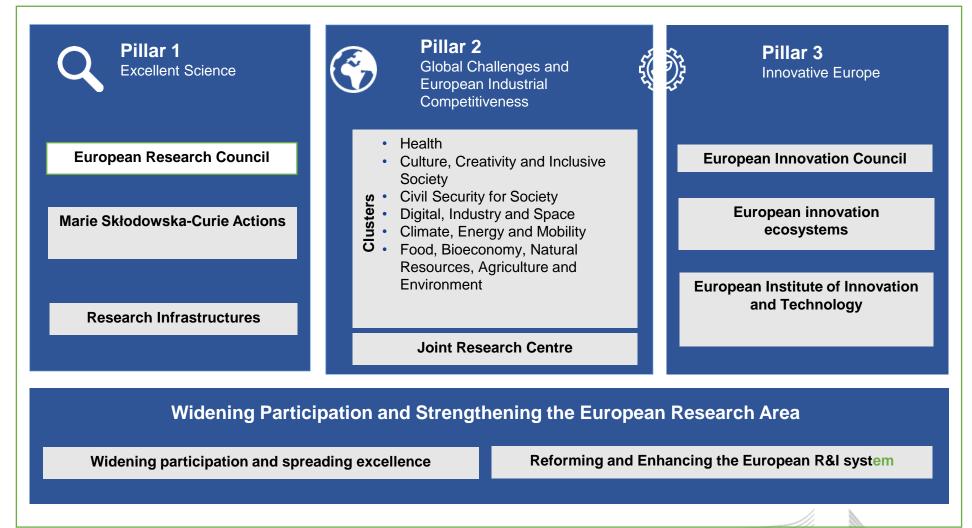
Romania, prin **UEFISCDI,** este membru al Joint Programming Platform

Smart Energy Sytems

SET Plan Action 4



Horizon Europe: Preliminary structure





Adaptation to climate change, including societal transformation



Healthy oceans, seas, coastal and inland waters



Mission areas



Cancer

Climate-neutral and smart cities

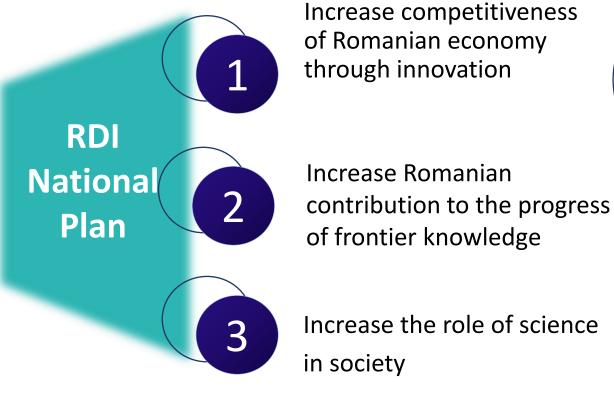




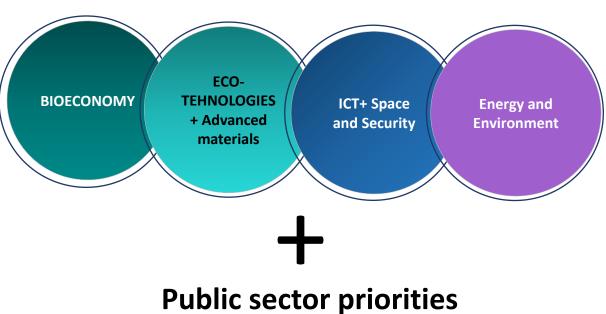
Soil health and food

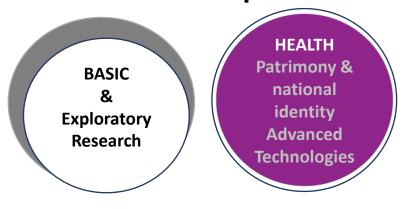


RDI National Strategy 2014-2020



Smart specializations







RDI Strategy

VIZIUNE ECOSISTEM CDI

OBIECTIVE STRATEGICE ASOCIATE FONDURILOR NATIONALE

Investment Plan

	Program 1	Program N			Inovare
Domenii smart naționale			→	Domenii smart naționale	
Domenii frontieră				Domenii smart	
Provocări societale				regionale	

POLITICI TRANSVERSALE

PNCDI

Smart Specialization Strategy

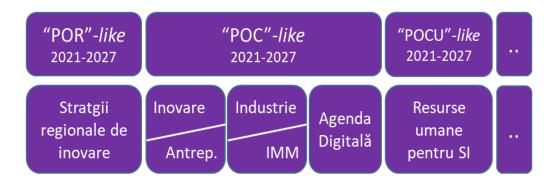
VIZIUNE DEZVOLTARE PRIN SPECIALIZARE INTELIGENTĂ

OBIECTIVE STRATEGICE ASOCIATE FONDURILOR EUROPENE

Investment Plan

		Inovare	Antrepreneuriat	Educatie	Altele
>	Domenii smart naționale				
	Domenii smart regionale				

PRINCIPII DE SINERGIE ÎNTRE PROGRAME







Medium.com

Mobility as a Service — MaaS

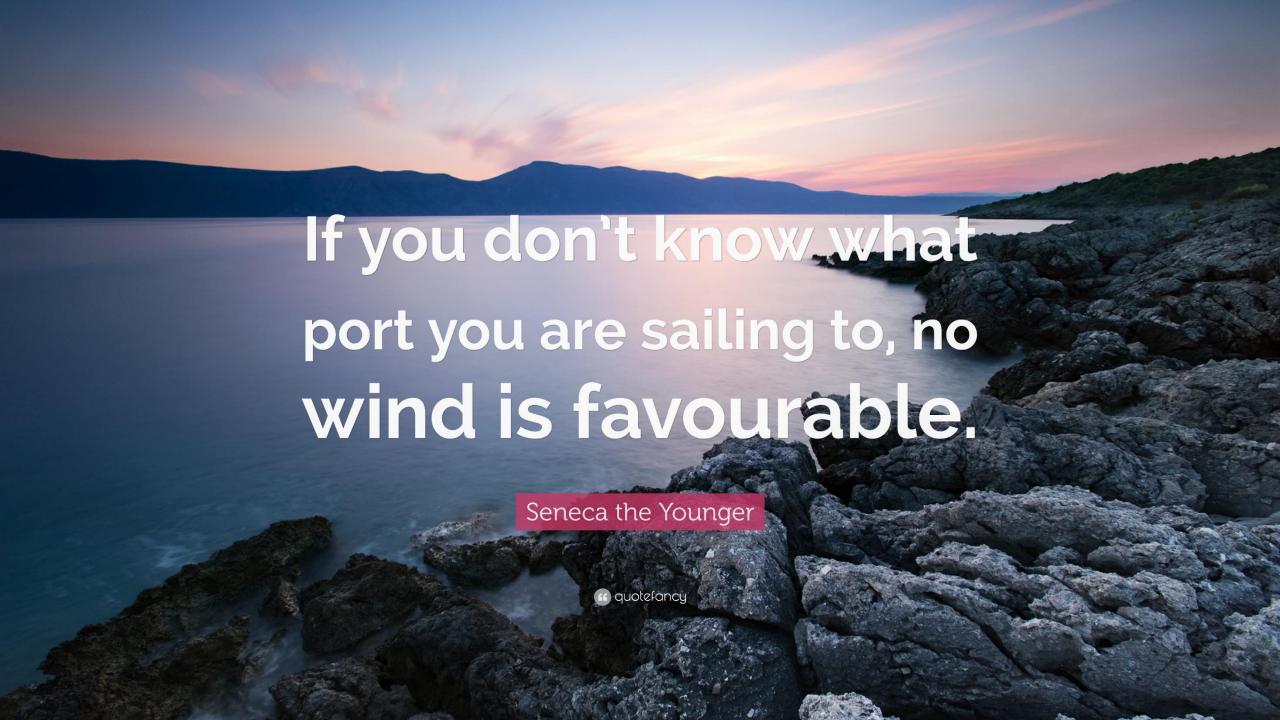


"Sensing as a Service"

Enabling CSPs to utilize their deployed hardware locations beyond their core function, with a wide range of environmental IoT sensors. A platform for collecting and processing sensor data, using our Nokia AVA platform, and also selling it using a blockchain powered marketplace. A variety of real-time environmental data, unusual data detection, future values prediction, site monitoring, and hardware control and anomaly detection offering essential insight to data consumers.

DEVELOPER:





Thank you! Multumesc frumos!

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