



LIGHTNESS



#SUSTAINABLEPLACES2022



SUSTAINABLEPLACES.EU

CITIZEN ENERGY COMMUNITIES

# Engaging people and technologies in the future of energy

SEP. 6TH – SEP 9TH, 2022 NICE, FRANCE



VILLE DE NICE

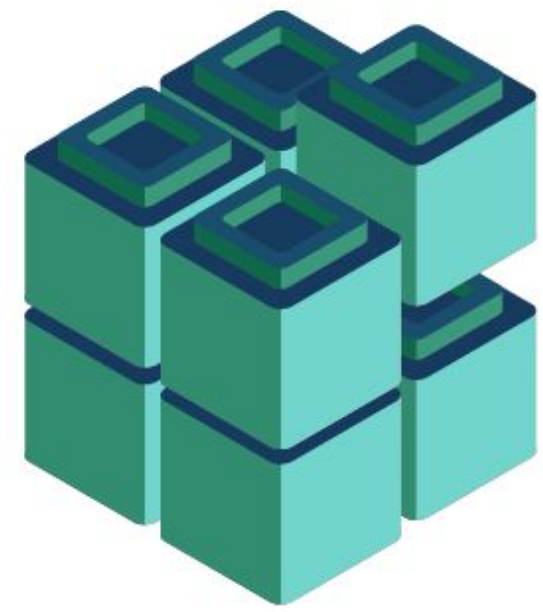
MÉTROPOLE  
NICE CÔTE D'AZUR

Blanca Barrios



CREATORS





CREATORS



# Creating Community Energy Systems

**Blanca Barrios**





# 1. What is CREATORS?

## CREATING COMMUNITY ENERGY SYSTEMS

Horizon 2020 Project

*Accelerating the integration of Community Energy Systems across Europe*



**Duration of 3 years**

Sept 2020 - Oct 2023



**Consortium of 16 partners**

from 8 EU countries



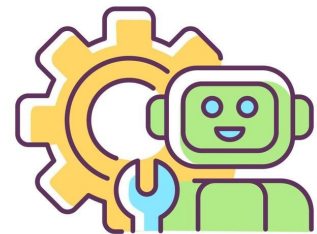
## 2. Objectives of CREATORS



- ✓ Speed up the integration of energy communities in Europe



- ✓ Develop applications and services for Energy Communities



- ✓ Help CES promoters throughout the life of the project



- ✓ Conceptualize “Community Energy Systems as a service”

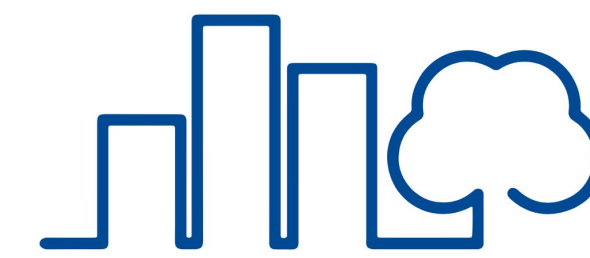


- ✓ Increase the penetration of renewables and flexibility



- ✓ Empower consumers and prosumers in the energy transition





# 3. Applications and Services for Community Energy Systems

## LIFE CYCLE OF A COMMUNITY ENERGY SYSTEM

Conceptualization

Planning

Implementation

Operation



**Simulation and emulation engine**



**Digital Twins**

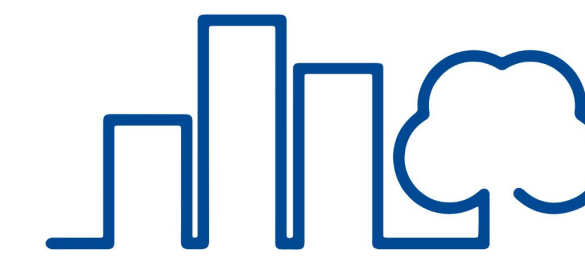


**Business Models and financing protocols**



**Energy exchange platform**

Aim to support local initiators in the deployment of CES.



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## 4. Our Value Proposition

Community Energy Systems as a Service

Design

Investment

Operation

Test

Contracting





# 5. Our Strategy to involve people and technology

## The Model we follow

### Engage People

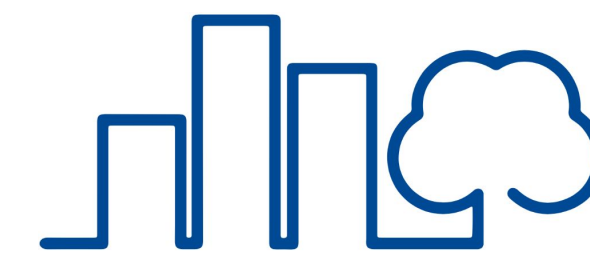


### Target

- Local Initiators
- Local service providers







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## 6. Tier 1 Pilots

**Port of Barcelona,  
Spain**



**Industrial Park  
Belgium**



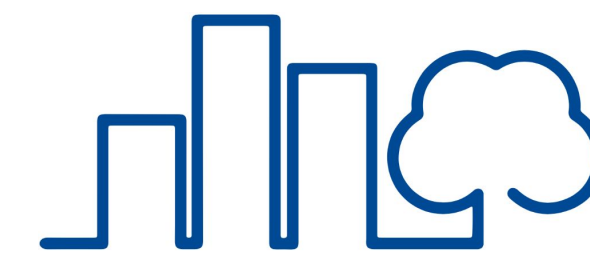
**Steel Plant in  
Slovenia**



**Municipality in  
Estonia**







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## 6. Tier 2 Pilots

**BTC Mall in  
Slovenia**



**Guadeloupe  
Island, France**



**Office Building in  
Netherlands**



**Waste disposal  
Facility, Bulgaria**



**Industrial Park  
in Spain**



**Voorhout & Tholen,  
Residential + SME  
area, Netherlands**





## 7. Examples of engagement: Find the Key person

**Port of Barcelona**



Legal Entity Port of Barcelona - link the buildings

**BTC Mall in Slovenia**



Mall Manager (BTC company)

**Industrial Park Belgium**



Construction Company involved its own buildings  
- both industrial and residential


**Industrial Park in Spain**



Promueve Burgos - Public Company that belongs  
to the municipality of burgos  
Link with companies at the industrial park




# 8. Workshops with site owners and final users



CREATORS

**ENERGIAÜHISTUTE JA KOHALIKE ENERGE-  
TEENUSTE TEENUSEPAKKUJATE TOETAMINE ÜLE  
EUROOPA.**








## CREATORS eesmärk

CREATORSi eesmärk on kiirendada ühistute energiasüsteemide (CES) integreerimist, toetades kohalikke algatajaid rakenduste, teenusepakettide ja teadmistega kogu projekti elutsükli vältel ning turule toomisel.


17 partnerit 8-st erinevast riigist

38 kuud  
september 2020 - detsember 2023


### Peamised eesmärgid:

-  Kiirendada CESi rakendamist kogu Euroopas
-  Suurendada CESi ärist valmisolekut
-  Võimaldada kuni 60% suuremat kohalikku taastuvenergia tootmist
-  Suurendada paindlikkust ja kohaliku võrgu tasakaalustamist
-  Aktiveerida ja võimestada väiketootjaid ja tarbijaid


### Partners




**Tuleviku  
energiasüste  
emi loomine**




Seda projekti on rahastatud Euroopa Liidu teadusuuringute ja innovatsiooni programmist Horisont 2020 toetus lepingu nr 957815 alusel.




Tartu in Estonia



Temse in Belgium



Jesenice in Slovenia



Barcelona in Spain



- Simulation Results
- Financial estimations
- Knowledge Sharing





## 9. How do we engage initiators?

Direct Approach

Indirect Approach



CES quick online application tool



CREATORS



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 957815.



## 10. Highlights

- 1. CREATORS targets big consumers thus we have to adjust our engagement strategy**
- 2. We target the KEY PERSON to start the Energy Community**
- 3. KEY PERSON is the link with the end user, and knows their needs**



# Thank you



[www.creators4you.energy](http://www.creators4you.energy)



@creators4you



@creators4you



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## NEWSLETTER

CREATORS: Creating Community Energy Systems



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