



Rural Smart Communities

EU Innovation Actions

Drivers of innovation in rural areas

Webinar on 15 July 2021

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Technologies for Smart Communications

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Rural Smart Communities: boosting rural economies through large-scale pilots

- Extension of focus:
 - from systems to ecosystems
 - from design to citizen empowerment
 - from smart cities to smart communities
 - OASC scope: extending to Community x Community
- New €30 million EU initiative: Large scale piloting and digital platforms
 - rural digital service platforms
 - innovation ecosystems
 - the smart village approach
 - standards at the forefront
- Minimal Interoperability Mechanisms (MIMs)
 - Addressing interoperability of data, systems & services
 - Developed and validated for cities in e.g. SynchroniCity
 - Extended to rural smart communities in AURORAL and dRural





dRural

Connecting you to the services you need



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101017304.

dRural aims

Creating
jobs

Improving
quality of
life

... in European rural
areas



Through the co-development
and roll out of a digital
marketplace of services to
offer value services to end
users

Consortium

31 partner
s

9 countri
es



ticbiomed



idieikon



pdt



AND



HEALTH POINT
EUROPE



FGS



ICONS



EMERGYA



EUROBcreative
intelligence on the move



RISE
Research
Institutes
of Sweden



f/h



Удружење
ЕКО
Инновација
на Балкану

UNIVERSITY OF TWENTE.



OPEN & AGILE SMART CITIES

4 pilot regions

Extremadura (ES)



adiper



FS



Cámara
Balajoz



Cáceres



LOS SANTOS DE MAIMONA
AYUNTAMIENTO

Jamtland Harjedalen (SE)



REGION
JÄMTLAND
HÄRJEDALEN



peak
Region



Krokoms
kommun
KROKOMEN TJELTE



Jämkraft

Dubrovnik, Neretva County (HR)



tera
tehnopolis



Dom Zdravlja
Metković



DUBROVAČKO-NERETVANSKA ŽUPANIJA
DUBROVNIK-NERETVA REGION



GRAD METKOVIĆ

Region Genderland Midden (NL)



gemeente
lingewaard



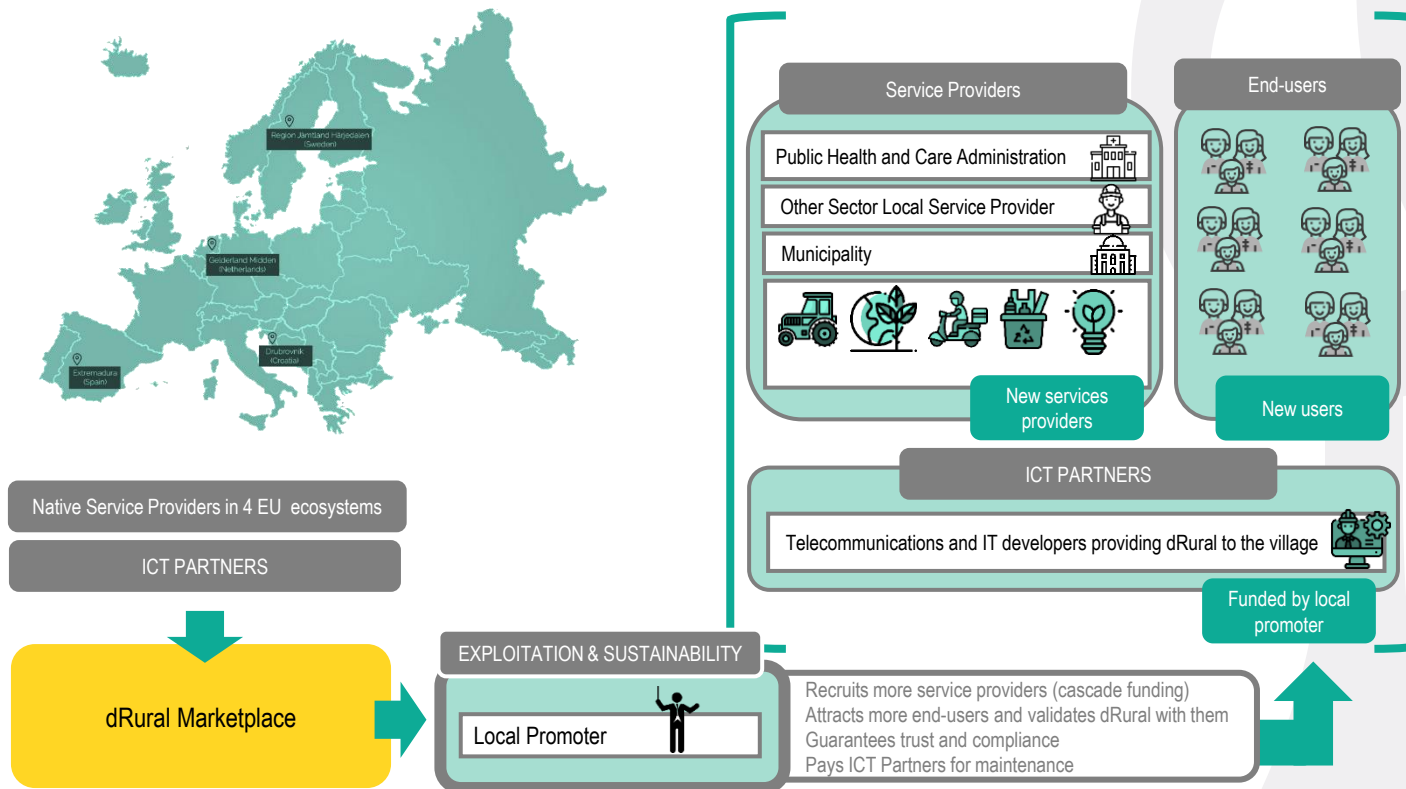
SWL
Stichting Welzijn Lingewaard



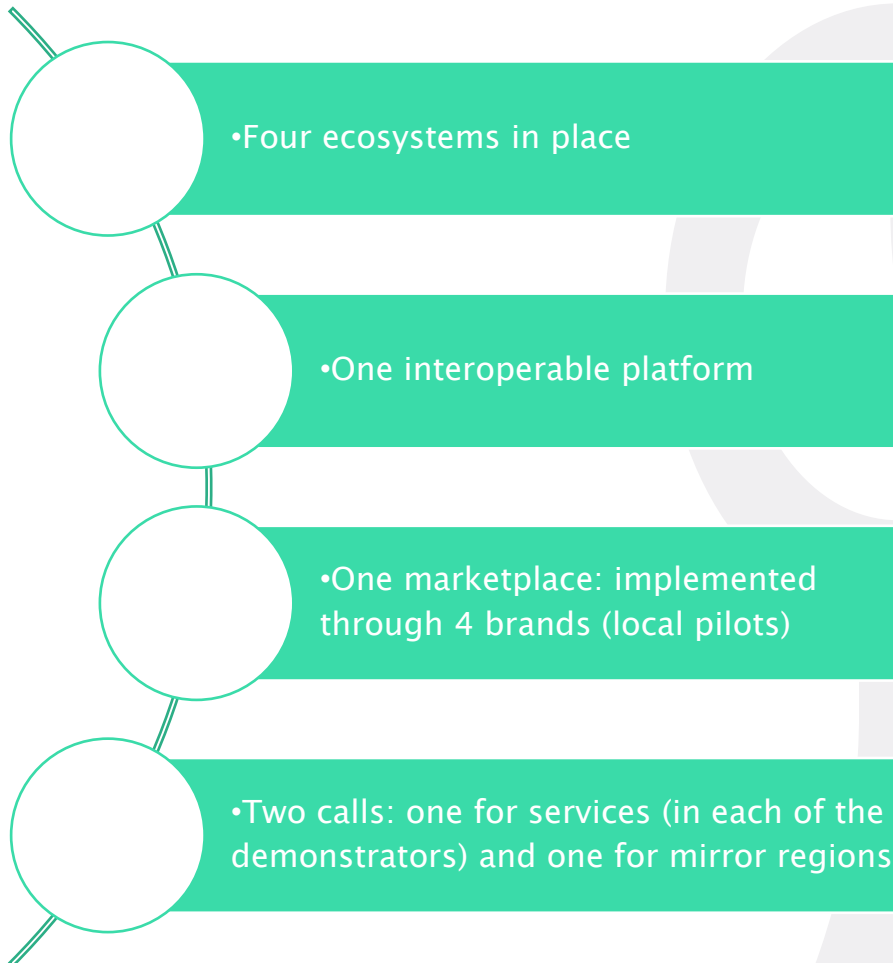
HealthValley
Netherlands

dRural

The “marketplace” for services in rural areas



Main expected results





dRural

Thanks

Visit our website
drural.eu



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AURORAL

ARCHITECTURE FOR UNIFIED REGIONAL AND OPEN
DIGITAL ECOSYSTEMS FOR SMART COMMUNITIES AND RURAL AREAS
LARGE SCALE APPLICATION

TOPIC: DT-ICT-09-2020 - INNOVATION ACTION
BOOST RURAL ECONOMIES THROUGH CROSS-SECTOR DIGITAL SERVICE PLATFORMS



Architecture for Unified
Regional and Open digital
ecosystems for Smart
Communities and
wider Rural Areas Large
scale application.



AURORAL IN A NUTSHELL

25

Partners

11

European
Member States

8

Pilot
Regions

5+

Domains
Farming, Tourism
Mobility, Energy,
Health, others...

4

Years

AURORAL APPROACH



CO-DEVELOPMENT & INTEROPERABILITY

AURORAL focuses on delivering interoperable, open and integrated digital platforms that serve rural regions and contribute to a European, globally competitive, ecosystem of digital services and businesses to empower Smart Communities.

ECOSYSTEM & EMPOWERMENT

AURORAL aims to deliver a dense network of Smart Communities under a common multi-interoperability framework aimed at succeeding the just, fair and open digital transformation. AURORAL pilot regions implement the concept throughout Europe, targeting an investment platform of innovative services, primary focusing Smart Communities onto rural areas.

AURORAL'S MARKET ORIENTATION

AURORAL digital environment is demonstrated by cost-efficient and flexible cross-domain applications through large-scale pilots in eight European regions: **Alentejo (PT), Southern Burgenland (AT), Penedès (ES), Piemont (IT), Lapland (FI), Hålogaland (NO) – Tourism, Hålogaland (NO) – Health, Västerbotten (SE).**

AURORAL is expected to be a driver of the emergence of a widespread network of Smart Communities in Europe and ultimately it is expected to contribute to balance urban and rural opportunities for all Europeans.



AURORAL



AURORAL IMPACT [1]

- **Validate the brokerage platforms** illustrated by an increase of cross-cutting applications and services.
- **Demonstrate and show-case cross-sectorial platforms interoperability.**
- **Increase prospects for future digital industrial platforms** by validation of technological choices, sustainability and reproducibility, of architecture models, standards, and interoperability, as well as of verification of non- functional characteristics such as security and privacy.
- **Demonstrate the benefits** of data sharing across platforms from different sectors.
- **Significant and measurable contribution to standards or pre-normative activities.**
- **Explore and validate new industry** and business processes and innovative business models validated in the context of the pilots.
- **Emergence of sustainable ecosystems around digital platforms.**

AURORAL IMPACT [2]

- **Overcome the digital divide** between rural and urban areas, and to develop the potential offered by connectivity and digitisation of rural areas.
- **Increase number of services and applications** operated by European companies, especially small businesses and entrepreneurs.
- **Strengthen links** with other, bottom-up programmes and initiatives, supported by regional, national and European policies and funds.
- **Create opportunities for entrepreneurs**, notably SMEs, by promoting new market openings, providing access to valuable datasets and direct interactions with users, creating new businesses in rural areas.
- **Increase number of platforms, applications, business processes and innovative business** models validated via large-scale piloting.
- **Improve quality of life in rural areas**, higher standard of living and services for citizens.

AURORAL PARTNERS



AURORAL



UNIVERSITY OF OULU



UNIVERSIDAD POLITÉCNICA DE MADRID





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THANK YOU!

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www.auroral.eu

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European Regions for Smart Communities Summit Alentejo, May 3rd – 9th

EUROPEAN REGIONS FOR SMART COMMUNITIES

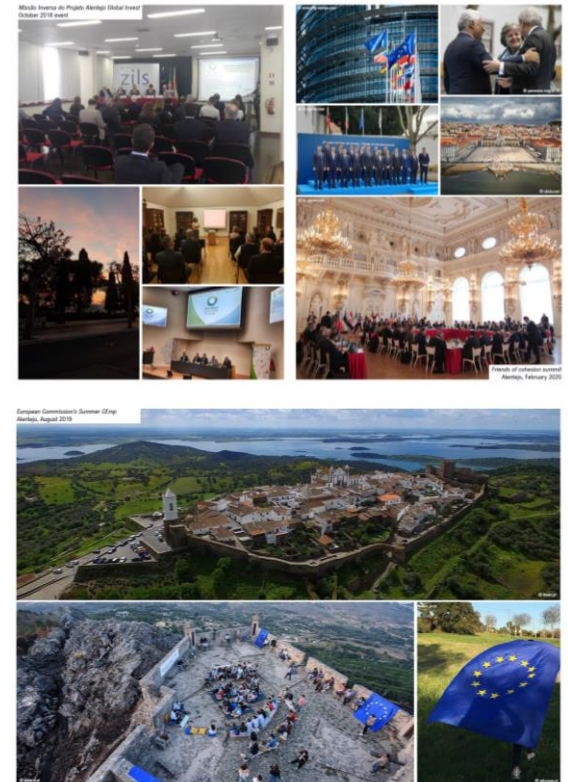
The European Regions Summit for Smart Communities, takes place in Évora between 3 - 9 of May, 2021. It will gather local and regional leaders, from across Europe to discuss European and National institutions how to involve the citizens and stakeholders in co-promoting smarter small cities, towns, villages and regions for better tomorrow.



03-09.MAY.2021

CONVENTO DO ESPINHEIRO, ÉVORA

An European summit of local and regional communities to share a common vision for a smarter tomorrow!



See: <http://www.eu-smart.community/>

2022 EDITION

9 - 13 May



SAVE THE DATE

European Regions for Smart Communities Summit will be held between **9 -13 of May 2021, online and in Alentejo (Espinheiro Convent Hotel * Évora, Portugal)**

This Summit will be the celebration of the success and achievements from cooperation across Smart Communities and an opportunity for mutually committing to share challenges and smart solutions.

It will gather local and regional leaders from across Europe to discuss how to involve the citizens and stakeholders in co-promoting smarter small cities, towns, villages and regions for a better tomorrow.

MORE SOON on: <http://www.eu-smart.community/>



Living-in.EU Declaration and movement - The European way of digital transformation in cities and communities

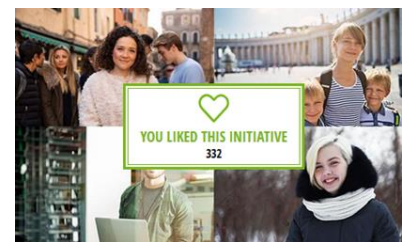
- “In times when cities and communities are looking to digital solutions to tackle a growing range of interconnected challenges, we must boost these efforts through a ‘European Way’ where digital solutions help to create places where people enjoy living and working.”
- “Through co-creation with citizens, we aim to bring the economic and social benefits of this transformation to all local communities and implement an inclusive digital Europe, with powerful digital services, technologies, infrastructures and skills.”
- Opened for signatures at a Finnish EU Presidency event in Oulu, Dec 2019.
- As an official representative of a public administration at local, regional, national or European level, you can sign this Declaration at: <https://www.living-in.eu/>.
- If you are a representative of a non-for-profit organization, a research institute, a public administration outside the EU or a company, you can sign for ‘We Support’ Living-in.EU.



We signed



Position	Public Administration	Level	Country ^
Mayor	City of Antwerpen	Local	Belgium
Mayor	Nicosia Municipality	Local	Cyprus
Mayor	City of Dortmund	Local	Germany
Mayor	City of Aarhus	Local	Denmark
Mayor	Odder Kommune	Local	Denmark
Mayor	Banders Kommune	Local	Denmark



Sign, Support, Like ... the Join, Boost, Sustain political declaration

LIVING-IN.EU

Join the movement !



EU2019.FI

