SMART COMMUNITIES
AND TERRITORIAL INTELLIGENCE

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HALLMARKS FOR SUCCESS

- Interproject cooperation
- Interoperability
- Common database
- Alignment of methodology
- Joint data collection
- Modelling
- Territorial Intelligence / AI on territorial management
- Governance as a smart service
COOPERATION UNDER LIVING-IN.EU

- Interproject working group active since April 2021 (AURORAL and dRURAL)
- Common database
- New taxonomy proposed
- Pilots’ cross-evaluation
- Alignment of methodology and joint workshops on data collection are planned
THE GOAL: to develop a common set of KPIs and measurement standards for assessing Smart Communities performance, shared among leading institutions, projects and initiatives.

STATE OF THE ART: Various assessment methodologies and indicators are used for smart communities’ performance measurement, comparability is difficult and unified assessment guidelines are needed.

COMMON FRAMEWORK for Smart Cities and Communities in Europe is needed.

ENHANCING THE REGIONAL DIMENSION for cooperation, critical scale integration and enable integral outreach.
INTEROPERABILITY OF DATASETS, SENSORS AND REGIONAL SCALE DIGITAL TWINS

DIGITAL TWINS AT REGIONAL SCALE
OPEN ARCHITECTURE
REAL TIME
SPACE / 5G / KPIs / GAAS

DATA SPACES / SMART DIGITAL PLATFORM

REGIONAL OPEN NETWORKS OF CITIES, TOWNS, VILLAGES
COMMUNITY LEADERS

LONG TERM SCENARIOS / TERRITORIAL GOVERNANCE / POLICY FEED-BACK
(IMPACT ASSESSMENT OF DEVIATIONS)

MODELLING AND AI FOR TERRITORIAL GOVERNANCE
GRAND OBJECTIVES

Better protecting people and nature
Scenarios and forecast
Enhanced decision making process
Quantitative approach to Nature protection
Balanced inclusion approach to demographic and social challenges
Government / governance as a smart service
European Regions for Smart Communities Summit will be held between 9 -14 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 a opportunity for mutually commit 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/
2022 AGENDA
SUMMIT 2021

7 days
5 main sessions
12 thematic sessions
4 future lab sessions
+ 200 speakers
3 members of the Portuguese government
3 Members of EU Parliament
8 Members of the European Commission
+ 30 Mayors and regional presidents, including the CoR president
+ 50 projects coordinators of EU approved projects
+ 60 partners
+ 30k viewers
ALENTEJO PROTOCOL initiated
SMART COMMUNITIES

BACKGROUND

- Smart cities: widening the urban/rural gap
- Lack of digital infrastructure
- Poverty rate and social exclusion
- Rural population shrinkage
- Environmental pressure

Implementing Europe’s Digital Decade SMART COMMUNITIES connect and integrate various sub-systems (including energy, transportations, health care, agriculture, tourism, education, buildings) to meet people needs, with a particular focus on the active integration of the most vulnerable categories, whilst protecting the environment and ensuring climate neutrality.

DENSE NETWORK OF SMART COMMUNITIES – SMARTOMORROW INITIATIVE
AURORAL IN A NUTSHELL

25 Partners
11 European Member States
8 Pilot Regions
5+ Domains (Farming, Tourism, Mobility, Energy, Health, others...)
4 Years

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

- More and better broadband infrastructure (fast broadband) in rural areas.
- Enhanced quality and reliability of services.
- Support for local ‘activators’, local champions that gather and coordinate actors and work locally.
- Enhanced knowledge transfer to improve digital literacy and change attitudes towards technology.
- Enhanced cooperation and stronger communication and interaction among stakeholders within and between regions.
- Integrating new people (Immigrants) and young people.
Special focus is given to a specific domain in order to reach higher readiness levels and broader offer of tools regarding that specific domain.
Focus is transferred to the cross-domain approach, benefitting from the availability of tools provided by the domain-oriented pilots and the interoperability provided by AURORAL data brokerage middleware.
AURORAL REFERENCE ARCHITECTURE

The image highlights how the proposed AURORAL Reference Architecture aims to bridge vertical services on different rural domains with horizontal services and online digital marketplaces, allowing different stakeholders to cooperate in a seamless and transparent manner.
THANK YOU!

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