ETSI Conference on
Non-Terrestrial Networks,
A Native Component of 6G

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# COMMECT

**Bridging the digital divide and addressing the need of Rural Communities with Cost-effective and Environmental-Friendly Connectivity Solutions**

**Project Coordinator**: Luxembourg Institute of Science and Technology (LIST)

**Present**: Maria Rita Palattella

COMMECT is a Horizon Europe project
Grant Nr 101060881

04/04/2024

ETSI
The Standards People

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Status: **Active**
Duration: **36M**
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Funded under: **Horizon Europe**
Budget: **5M**

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# Digital Divide persists…

## Many Rural and remote areas are still largely unconnected

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# Digital Divide persists…

Many Rural and remote areas are still largely unconnected

# Connectivity is needed…

## Toward DIGITAL TRANSITION

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# Inclusive and Empowering Approach

## Co-creation of solutions addressing real needs of end users and stakeholders

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## 5 Living Labs Multi-Sector | Multi-Actor

LUXEMBOURG
**Digitalisation of Viticulture**

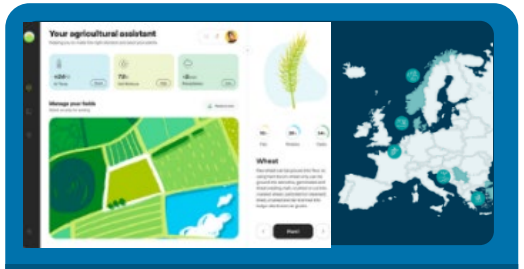
NORWAY
**Connected Forestry**

DENMARK
**Connected Livestock Transport**

TÜRKIYE
**Smart Olive Tree Farming**

SERBIA
**Sustainable Agriculture and Preservation of Natural Environment**

User Preferences
User Expertise



User Needs

Recommendations

Visualization and Reporting

End-Users

End-User Advisors

# Decision-Making Support Tool (DST)

Regional Level Data

End User Surveys

**Business Models**
Collaborative
Business Models

**KPIs**
- Environmental
- Socio-economic

**Connectivity**
- Availability
- Network Performance

Lab Knowledge

Intelligent Connectivity Platform

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# Many connectivity solutions …

- XG, Satellite, UAV, Last Mile, IoT, Edge

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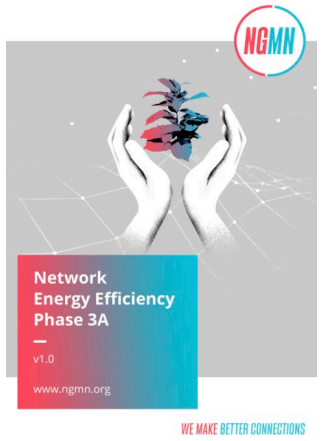
**COMMECT** partners identify gaps that should be filled within or outside **SDOs**

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Energy Efficiency White Paper, Phase 3: Energy Efficiency Roadmap

AIOTI WG Standardisation: IoT Standardisation Gaps

AIOTI WG ICT for Co2 reduction Methodologies (ICM): Discussion on examples of LCA for carbon emissions in COMMECT use cases

RAN2 R2-2304155 Discussion on CHO procedure enhancements in case source/target cell is in NES mode

RAN2 R2-2308054 Discussion on the NTN – TN cell reselection enhancement

Joint ETSI TC EE/ ITU-T SG5: targeted contribution towards L.1480(rev) via AIOTI

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