

Rural Pact Conference

15-16 June 2022



Rural Broadband Project

Broadband Network Development in White Rural Areas of Greece



Aim of the project

Increasing connectivity

Objective:

- to close the «broadband gap» between remote / traditional white rural areas and the rest of the country

Scope:

- to build a broadband infrastructure and interconnect end-users in white areas with regional concentration points in cities where two or more retail electronic communications service providers (ISPs) are present.
- a number of wholesale broadband services become available to ISPs, who then provide retail services to end-users



Rural Project

Broadband services to remote users

- Model of Public-Private Partnerships (Build – Operate – Transfer) to provide wholesale services to third party ISPs
- Public ownership of the network infrastructure. After the termination of the operational period, Greek authorities (who retain network's ownership) may choose a new administrator.
- 20 years network's useful life (passive elements).



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The targeted rural settlements are divided in three lots of similar population size.

- **Lot 1**

Contractor: **OTE RURAL NORTH AEEΣ (SPV)**

Budget: **44,375,478.00 €**

- **Lot 2**

Contractor: **RURAL CONNECT BROADBAND NETWORKS AEEΣ (SPV)**

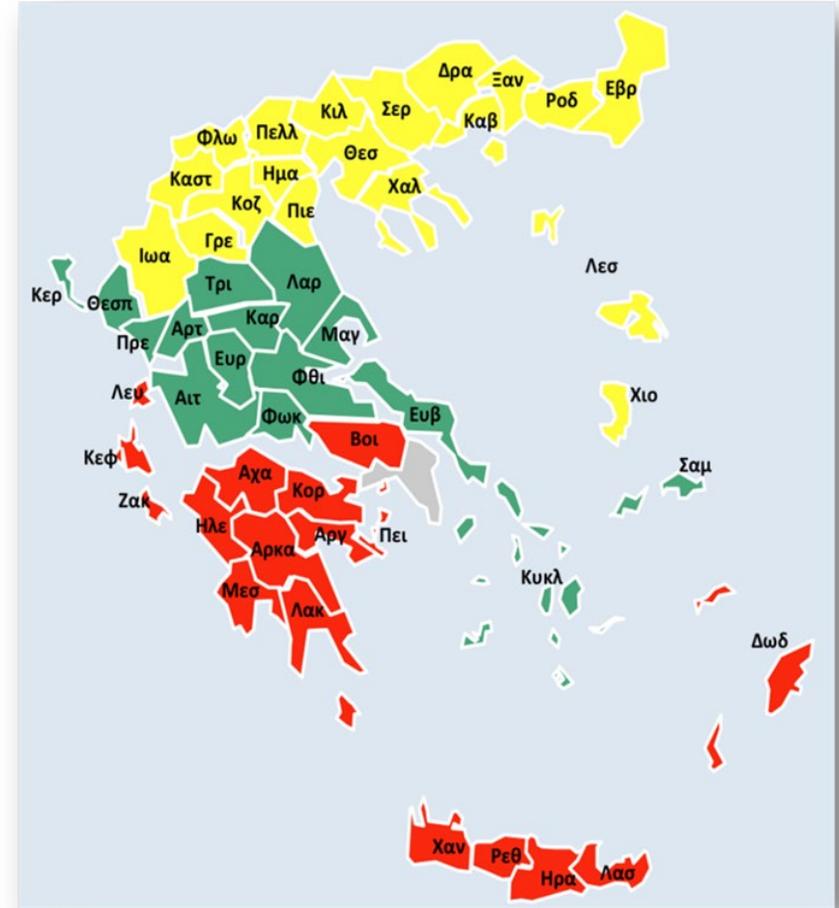
Budget: **60,299,999.94 €**

- **Lot 3**

Contractor: **OTE RURAL SOUTH AEEΣ (SPV)**

Budget: **56,385,614.00 €**

Lot	Prefectures	Population	Settlements
1	19	170,884	1,188
2	15	185,043	1,864
3	17	169,360	2,025
		525,287	5,077





- **Access to passive infrastructure and network facilities.**
- **Capacity services.**
- **Wholesale Broadband access services (bit-stream).**

The major bit-stream services offered to end users will be:

For Lots 1 & 3

- **50Mbps/30Mbps** with 1:5 contention ratio, 98.75% availability
- **30Mbps/4Mbps** with 1:20 contention ratio, 98.75% availability

For Lot 2

- **30Mbps/4Mbps** with 1:20 contention ratio, 98.75% availability
- **8Mbps/2Mbps** with 1:40 contention ratio, 98.75% availability



Multiple Benefits

Boosting local economy

- **Reducing** the digital divide between Greek citizens
- Contribution to the **Next Generation National Broadband Access Plan**
- Contribute to the objectives of the **Digital Agenda**
- Boost **employment** by stimulating local entrepreneurship
- Increase the **competitiveness** of small and medium-sized enterprises
- Strengthening **tourism** in covered areas
- Strengthening **e-Government**
- Retaining **population** in rural remote areas



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Funding Process



EUROPEAN UNION

European Regional Development Fund



**The European Agricultural
Fund for Rural Development**

Europe investing in rural areas



Key issues during the implementation:

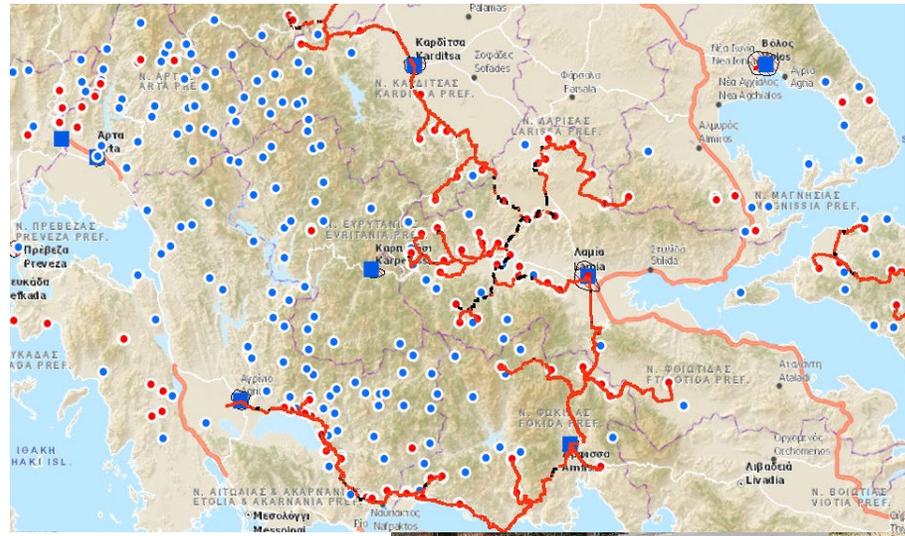
- Collaboration of two **Managing Authorities**
- Use of two distinct **Monitoring Information Systems**



Implementation Challenges

- Delays in excavation and trench permits
- Unfavorable Weather conditions
- Complicated Project Management

- ✓ ~10.000 km optical network/trench
- ✓ ~3.800 km optical network IRU
- ✓ 2.328 DSLAM installed
- ✓ 262 wireless nodes



Benefits

Long-term results

THE RURAL BROADBAND

Broadband Network Development in White Rural Areas of Greece

PROJECT START

12.2014

PROJECT END

06.2019



45% of territory
6% of Greek population



525.000 citizens



6% of greeks without proper internet connection



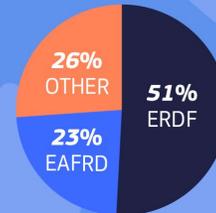
Bandwidth
+30 - 50mbps



Broadband penetration +8%



Economic growth +1,2%
in concerned areas



TOTAL FUNDING
€199 715 754
EU FUNDING
€148 328 807



EUROPEAN UNION

#EUinmyregion

oterurnorth.gr
oterurnsouth.gr
ruralconnect.gr



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Awards:

#broadband
@broadband_eu

European
Broadband
Awards
2017



Innovative models of financing, business and investment

 **Optic fiber to all houses on Gotland**

Cost reduction and co-investment in a future proof infrastructure

 **Colchester Business Broadband**

Territorial cohesion in rural and remote areas

 **Broadband Network Development
in White Rural Areas in Greece**

Socio-economic impact and affordability

 **Coviolo Wireless**

Openness and competition

 **The Helsinki Optical
Fibre Cooperative**

Thank you

