

SELFNET is driven by use cases designed to address major network management problems through innovative mechanisms for:

- 
SELF-PROTECTION
 Capabilities against distributed cyber-attacks
- 
SELF-HEALING
 Capabilities against network failures
- 
SELF-OPTIMIZATION
 Capabilities to dynamically improve the performance of the network and the QoE of the users.

SELFNET EXPECTED IMPACT

AT THE MACRO LEVEL

- // Enlarged market share for European network operators and equipment vendors
- // Strengthen the competitiveness of European service providers

AT THE OPERATIONAL LEVEL:

- // Improved scalability and extensibility
- // Reduced service creation and deployment time
- // Reduced OPEX and CAPEX

AT THE SOCIETAL LEVEL

- // More secured and resilient network and services
- // Enhanced QoE of the end users, bandwidth usage and support for video applications
- // Reduced energy consumption

CONTACTS

PROJECT COORDINATOR

Dr. Maria Barros Weiss, Eurescom GmbH

TECHNICAL PROJECT CO-MANAGERS

Prof. Jose M. Alcaraz Calero, University of the West of Scotland
 Prof. Qi Wang, University of the West of Scotland

EMAIL

contact@selfnet-5g.eu

SITE

<http://selfnet-5g.eu>



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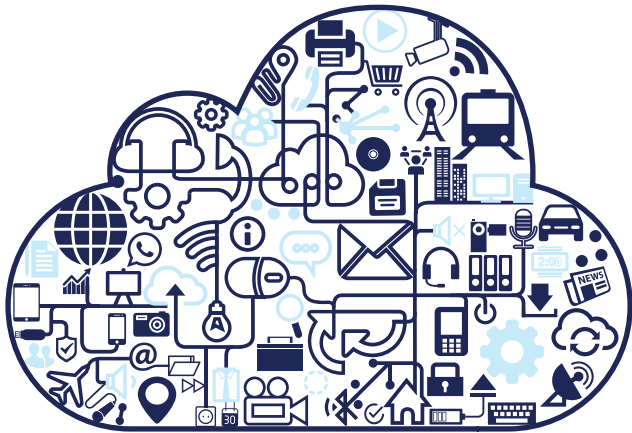
SELFNET is one of the first phase projects of the 5G Infrastructure Public Private Partnership (5G-PPP) website: <https://5g-ppp.eu/>

PARTNERS



FRAMEWORK FOR SELF-ORGANIZED NETWORK MANAGEMENT IN VIRTUALIZED AND SOFTWARE DEFINED NETWORKS H2020-ICT-2014-2/671672

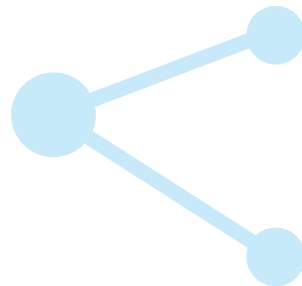




SELFNET is a 36 month Horizon 2020 EU project which was funded as part of the 5G-PPP programme to address the strand Network Management challenge.

START DATE July 2015

SELFNET will investigate innovative schemes to achieve advanced automation of complex **NETWORK MANAGEMENT** operations such as self-protection capabilities against distributed cyber-attacks, self-healing capabilities against network failures, and self-optimization to dynamically improve the performance of the network, the cost-efficiency of infrastructure maintenance, and the quality of experience of mobile users across Europe and globally.



SELFNET EXPLORES A SMART INTEGRATION OF STATE-OF-THE-ART TECHNOLOGIES IN:

- // Software-Defined Networks (SDN)
- // Network Function Virtualization (NFV)
- // Self-Organizing Networks (SON)
- // Cloud computing
- // Artificial intelligence
- // Quality of Experience (QoE)

