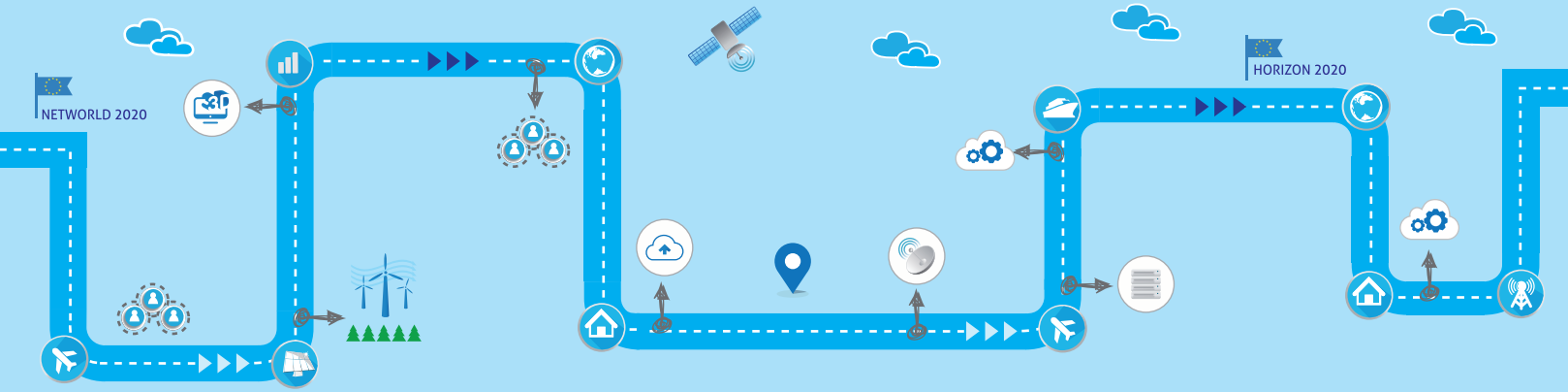


The European Technology Platform for Communications Networks and Services

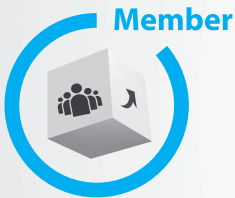


NETworld

Founded by Net!Works and ISI

NetWorld2020 is the **European Technology Platform** for **communications networks** and **services**

NetWorld2020 is the European Technology Platform for communications networks and services. Communications networks enable interaction between users of various types of equipment, either mobile or fixed; they are the foundation of the Internet. The NetWorld2020 European Technology Platform gathers players of the communications networks sector: industry leaders, innovative SMEs, and leading academic institutions. NetWorld2020 is the new structure created by the former Net!Works and ISI European Technology Platforms in the ICT domain.



Member

ANY LEGALLY ESTABLISHED CORPORATION
UNIVERSITY - RESEARCH INSTITUTE



Area

MOBILE AND WIRELESS



Time

HORIZON2020 AND BEYOND



Opportunity

DRIVE THE RESEARCH DIRECTION

A new initiative to improve services to citizens in the near future

Efficient telecommunications infrastructures have a positive influence on the quality of life of the people in high-income countries and on life expectancy in low-and middle income economies. When Europe invests in research and innovation in ICT and telecommunication infrastructures, it ultimately leads to sustainable development and a better quality of life for the people in Europe and beyond.

The Missions of Networld2020

DEVELOP POSITION PAPERS ON TECHNOLOGICAL RESEARCH-ORIENTED AND SOCIAL ISSUES

SUPPORT GENERAL COMMUNICATION NETWORKS R&D&I ISSUES

SUPPORT THE 5G-PPP



UPDATE STRATEGIC RESEARCH AND INNOVATION AGENDA IN COMMUNICATION NETWORKS DOMAIN

INTERACT WITH DECISION MAKERS IN THE PUBLIC AND PRIVATE DOMAINS

STRENGTHEN EUROPEAN INDUSTRIAL LEADERSHIP IN NETWORKING TECHNOLOGY AND SERVICES



The Networked Society Project has received funding from the European Commission's Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 317105.



Get inspired by our REAL SUCCESS

Join us, become a pioneering contributor in the sector of communications networks and services



Mobile Communications

The introduction of mobile technology accelerated the global growth in the Information and Communication Technologies (ICT) sector. This sector now generates 5% of European GDP, with an annual value of € 660 billion.

ICT has become a ubiquitous technology and investments in ICT are responsible for at least 50% of European productivity growth in recent years. We already see a dramatic increase in data traffic on converged mobile and fixed communications networks generated by smart city, smart energy, environmental monitoring and ehealth applications.

By 2020, enormous growth in network traffic is expected. The European success story resulting from the investment in collaborative research projects is certain to continue for many years to come, if Europe continues to invest in collaborative research!



Mobile Satellite Systems

Mobile Satellite Systems (MSS) offer voice and data services to mainly professional, Governmental, and the consumer market users worldwide. They address handheld as well as vehicular, vessel or aircraft mounted terminals.

The expertise of the European manufacturing space industry in the domain has been developed thanks to its involvement in R&D projects carried out under European Commission, European Space Agency and National framework.

In the 2020s, MSS are expected to contribute to a satellite/terrestrial service offer to terminals with reduced size and to provide increased performance (towards high speed broadband), with higher spectral and cost efficiency.



Broadband Internet Access

The Internet has become a basic utility for homes and businesses in the same way as electricity or water. Affordable, reliable and secure broadband connectivity is essential to making full use of the services that the Internet offers nowadays. The demand for even more high-speed connectivity is constantly growing, driven by new Internet services with multi-media rich content.

To take full advantage of such services, faster, smarter and cheaper high-speed access network technologies are required. Work by scientists in European research programmes is making ultra-high-speed broadband networks a reality for all Europeans, using technology that can cost-effectively deliver up to 1Gb/s both to your front door and within the home network.

Availability of cost efficient and highly scalable broadband access technologies is critical if all European citizens are to benefit from a broadband Internet connection by 2013, from a 30Mb/s connection by 2020 and that at least 50% of households have a 100 Mb/s connection by 2020, as promised by the European Commission in its Digital Agenda.



Optical Communications

Hardly visible to end-users, 90% of all digital information is transported over optical networks. Fiber-optic communication is the backbone of the information society today. It will become even more important in the future.

7 of the top 20 network operators are headquartered in Europe. 6 of the 20 largest optical equipment manufacturers have major R&D centres in Europe and represent more than 30% of the global equipment market. Two of the top 3 component manufacturers have operations in Europe.

By 2020, at least a 10-fold increase in fiber capacity and Tb/s per wavelength will be required. Fiber communication will move closer to the user and will become a critical infrastructure in datacentre, private, home, vehicle and sensor networks. Based on its strength and expertise, Europe is well positioned to respond to these challenges, if it continues to invest!



Satellite Broadband

The value of broadband access as a socioeconomic benefit is not disputed. Governments worldwide place an increasingly high value on the ability of their citizens to participate in the knowledge economy through broadband internet in order to stimulate economic growth.

Increased speeds and equality of access are the key criteria and political motivators for broadband services.

The European Digital Agenda aims to ensure that 30 Mbps is available to all Europeans by 2020. Current research projects aim for tenfold improvements in satellite capabilities by 2020 which will be needed to deliver very high speed broadband.



“Europe’s place in this future Knowing Society will depend on our ability from this moment forward to both facilitate and manage “knowing-driven” change on our continent.”

European Internet Foundation, The Digital World in 2030

Benefit for Participation



Inspiration



Leadership



Innovation



Implementation



New Vision

NetWorld2020 Members also benefit from receiving up-to-date information and news on research activities and results, information about opportunities for participation and funding, and information on NetWorld2020 publications, consultations, activities and events. Full members have voting rights in the General Assembly. Members also have the opportunity to contribute and provide feedback to the NetWorld2020 Strategic Research and Innovation Agenda (SRIA).

Join us, become a Member

If you want to become a member of NetWorld2020, please fill in the Membership Application Form:
<http://www.networld2020.eu/membership-application-form/>

www.networld2020.eu