



NETworld

Pedro Ruiz

Lisbon, 19th – October - 2015

- Networld2020 as new communication networks ETP
 - Scope
 - Mission
 - Membership
- Economic impact of communication networks
- Success stories of collaborative research
- Networld2020 Working Groups
- Relation between Networld2020 and 5G PPP in Horizon 2020
- Conclusions



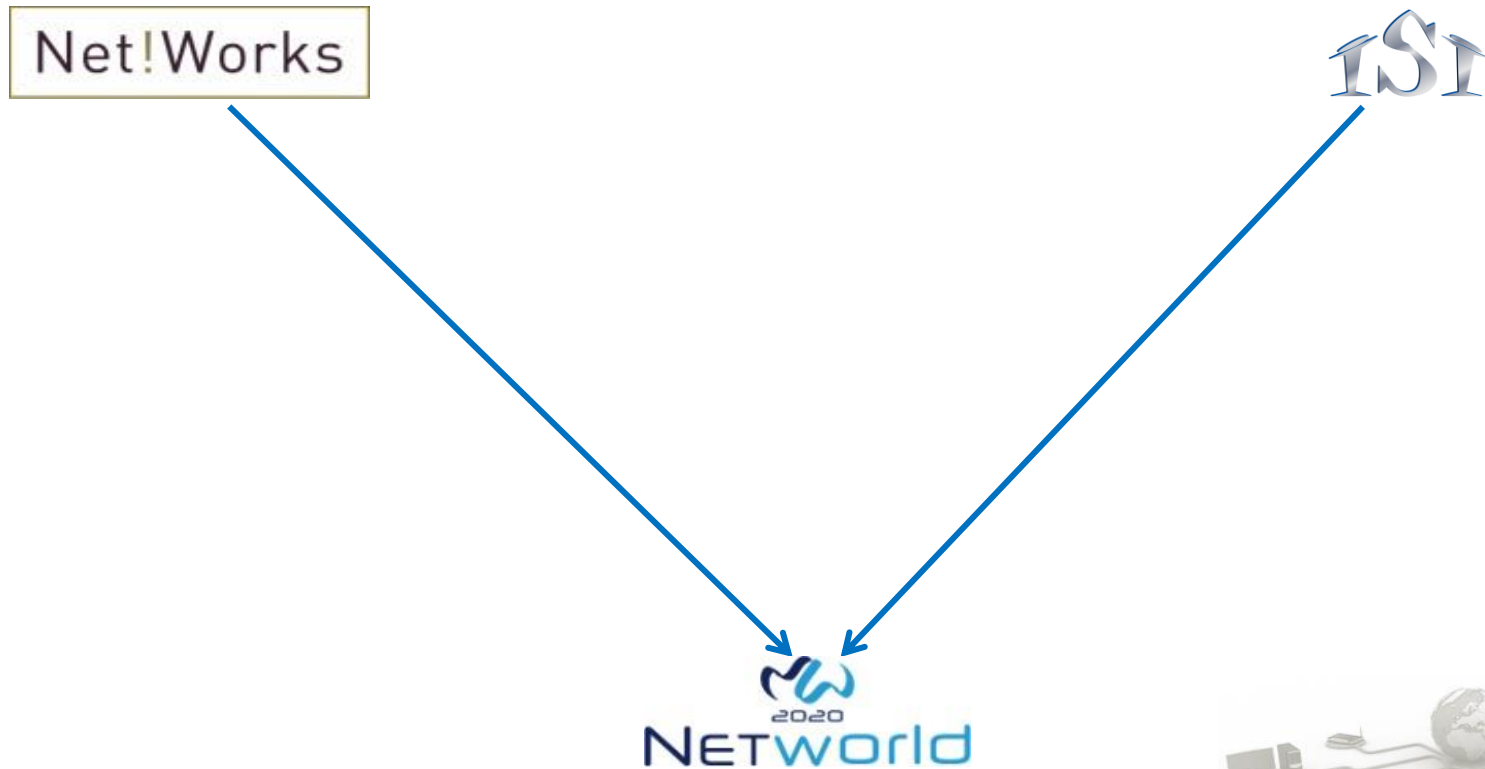
- Seamless and transparent access to
 - mobile and wireless,
 - fixed and
 - satellite-basedvoice, data and multimedia services.
- Communication network infrastructures combining some or all of the above technologies.
- Networld2020 will address all communication networking issues (mobile and wireless communications, fixed/optical communications and satellite communications) from a holistic perspective.



Networld2020 is the communication networks-oriented ETP



- Launch of Networld2020 as successor ETP of Net!Works and ISI



Source: NetWorld2020.

17/11/2015

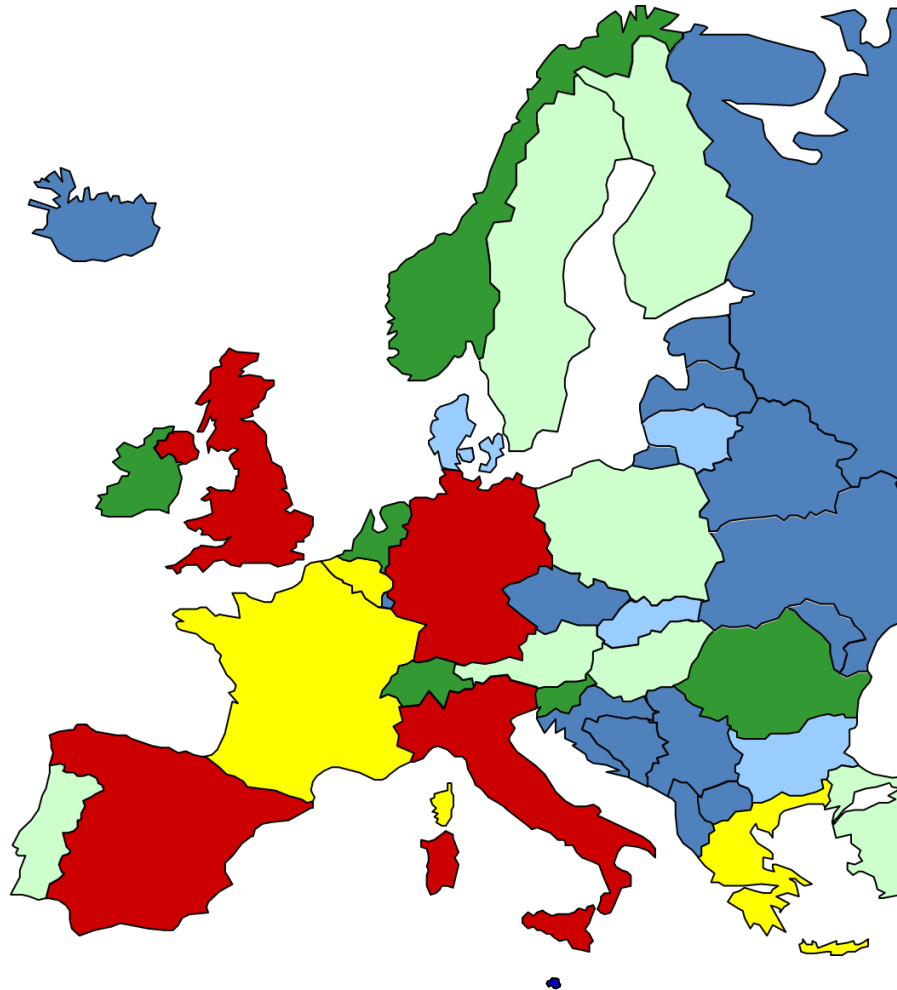
The European Technology Platform for communications networks and services

- To **develop position papers on technological**, research-oriented and societal issues, which are agreed in Networld2020 bodies to receive a joint mandate.
- To **seek discussions of issues with decision makers** in the political and public domain as well as in the industry and research community to bridge the gap between research and innovation and the expectations from the European society.
- To regularly **develop an updated Strategic Research and Innovation Agenda (SRIA)** for Europe in the communication networks domain in an open process in order to guide industrial and long-term oriented research and to provide means for future economic exploitation in global standards and the widespread deployment of communication systems and networks.
- To **strengthen Europe's leadership in networking technology** and services so that it best serves Europe's citizens and the European economy.
- To support general communication networks R&D&I issues.



Membership – 1008 members

Status November 2014



Total number of members **1029**

Industry	204
Research	369
SME	347
Cooperation	109

Elected Steering Board of 30 members

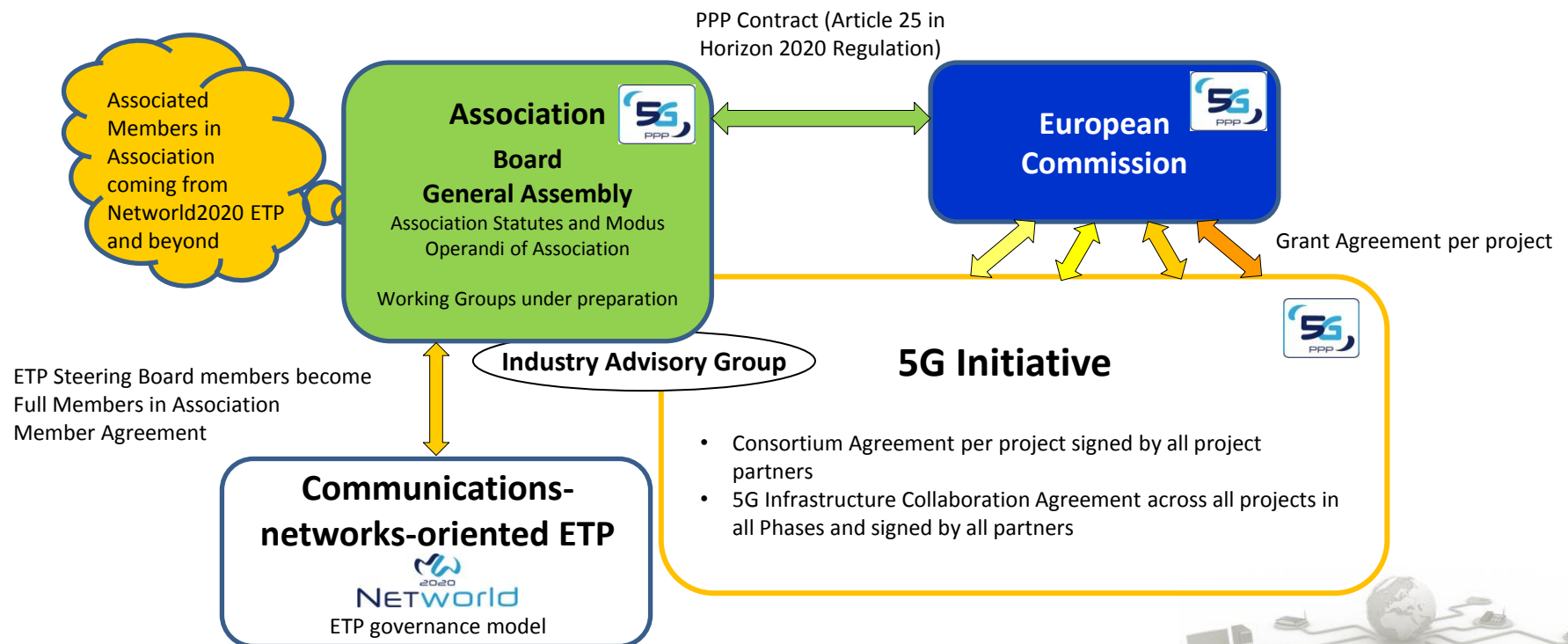


Source: NetWorld2020.

17/11/2015

The European Technology Platform for communications networks and services

-  NETworld will support the  by
 - the direct relation to the PPP Association and
 - the development of the SRiA for the 5G-PPP



- The Association is an international non-profit association, named “The 5G Infrastructure Partnership” under Belgian law. It is the contractual counterpart of the European Commission for signing the 5G-PPP contract, done on 17 December 2013, see http://europa.eu/rapid/press-release_IP-13-1261_en.htm.

Source: NetWorld2020 ETP and Annex to 5G PPP Contractual Arrangement.

VIDEO



- Most successes from the European networking projects are “invisible” for general public: mobile communication standards, optical broadband, broadband access and satellite systems
- European collaborative R&D projects have contributed in particular to the development of
 - third-generation mobile communication systems, the most widely adopted system in the world, and
 - LTE and IMT-Advanced for broadband mobile
- Cooperation of all sectors necessary along value chain from physical layer software technology, applications and enabling technologies for economic successful solutions



Source: NetWorld2020.

17/11/2015

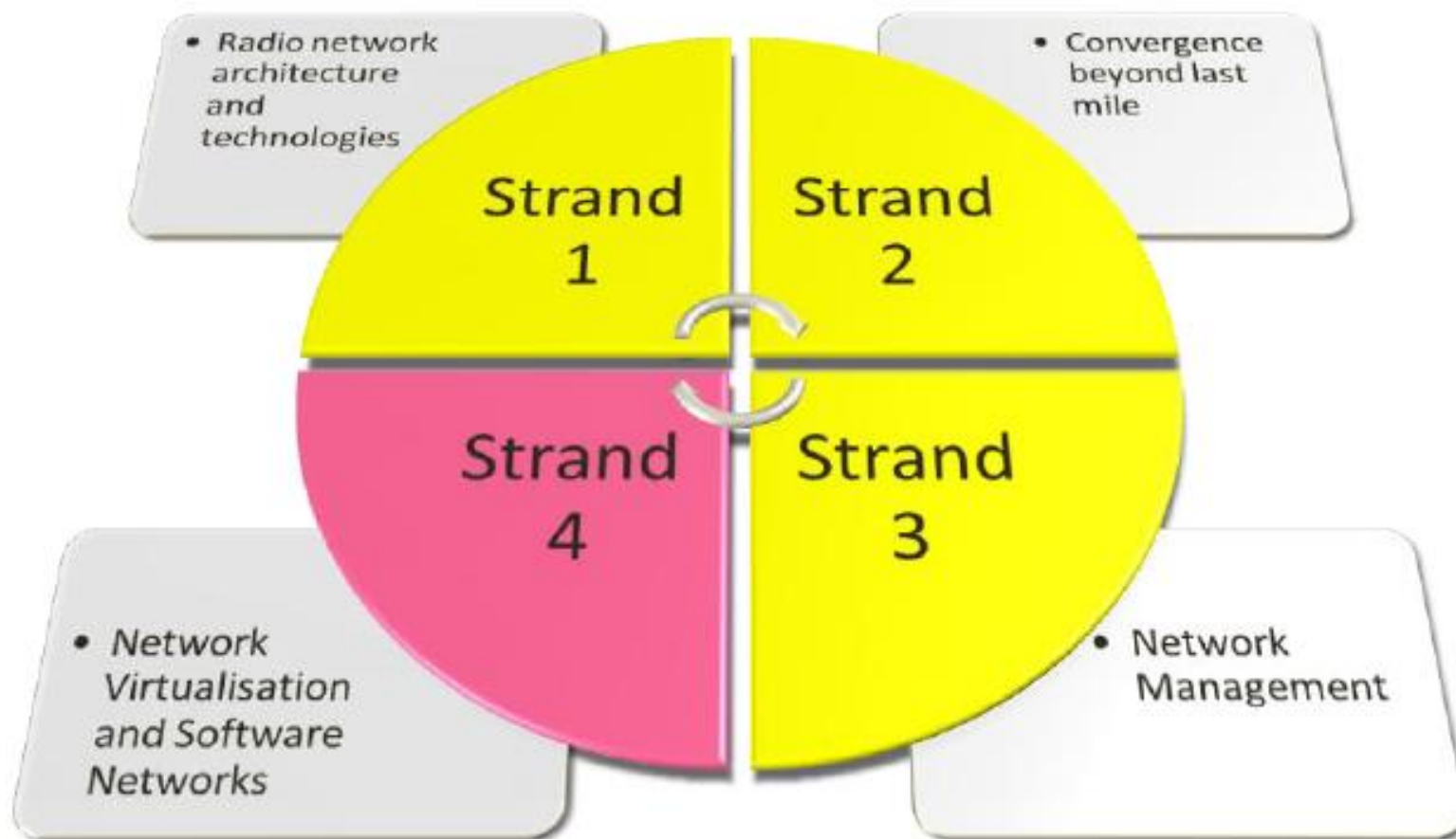
an Technology Platform for communications networks and services

- Up to now there were no activities between the ETP and Latin-America
- Given the nature of research topics, international collaboration is needed
- Communications protocols are used worldwide
- Telecommunications are key technology for the development and wellness of countries



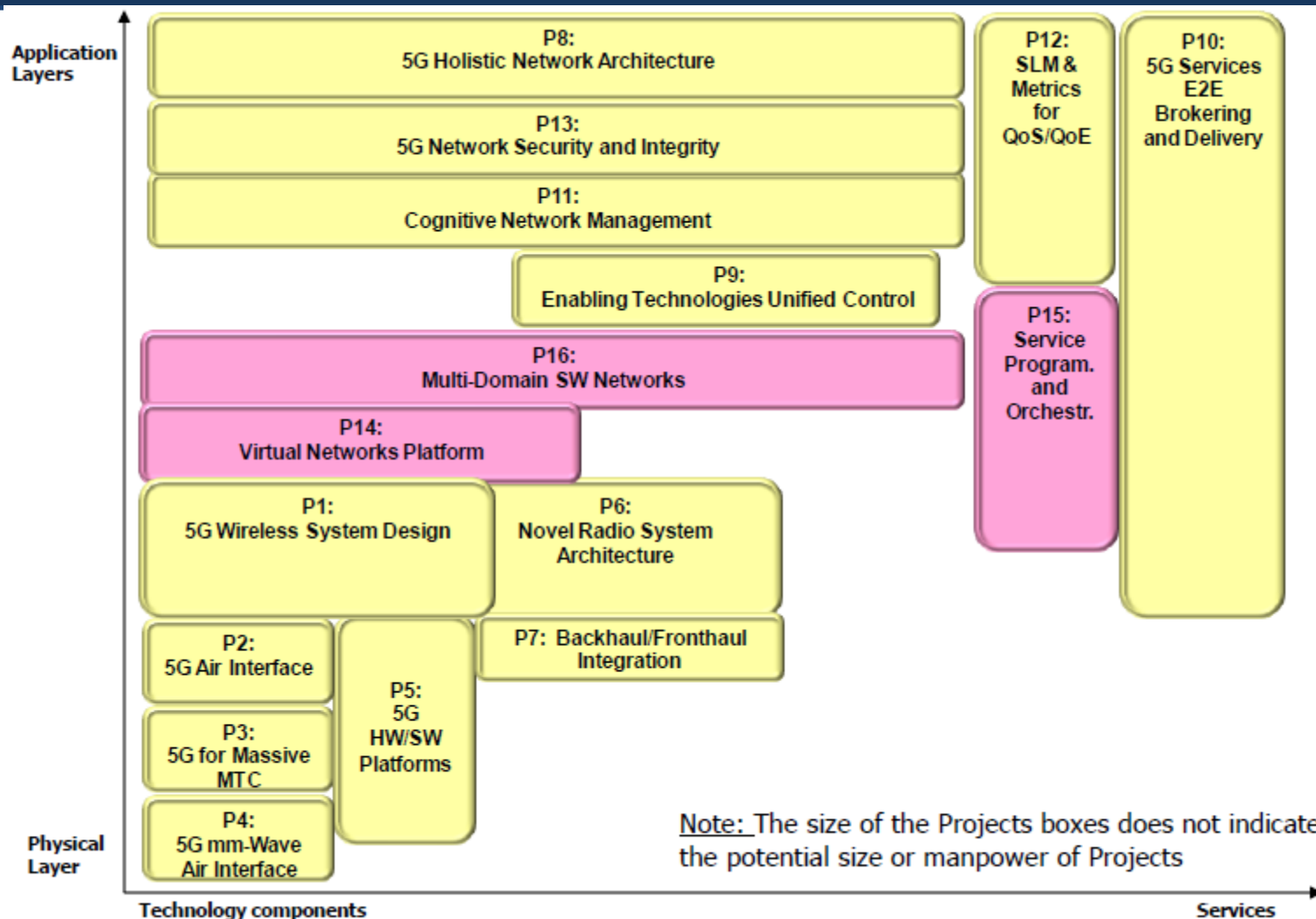
- Expert Advisory Group
 - To develop technical White Papers as contributions to updates of the Strategic Research and Innovation Agenda
- 5G Infrastructure Association Visions Working Group in close cooperation with Networld2020
 - Develop a European vision on 5G as basis for work program contributions and international cooperation
- SatCom Working Group
 - To work on SatCom specific topics and the convergence of satellite communication with fixed and mobile communication networks
- SME Working Group (<http://networld2020.eu/sme-support/>)
 - Support SMEs participation in 5G PPP
- Joint Working Group NEM – Networld2020
 - To improve the mutual understanding of the needs of the media and content sector on communication networks and offered capabilities





Source: NetWorld2020- 5G-PPP. Pre-structuring model

R&D Topics – Previous call



- Networld2020 is the European Technology Platform for communication networks
- Networld2020 is facilitating networking and discussions between stakeholders to build consolidated positions on Research and Innovation Agendas
- Collaborative research is important for European economy
- Future networks are a key enabler for
 - Future Internet and
 - solutions for Grand Societal Challenges
- Networld2020 is contributing to the Horizon 2020 work program and in particular to 5G PPP





Thank you for your attention!

[**www.networld2020.eu**](http://www.networld2020.eu)