



NetWorld2020

The new communication networks oriented ETP

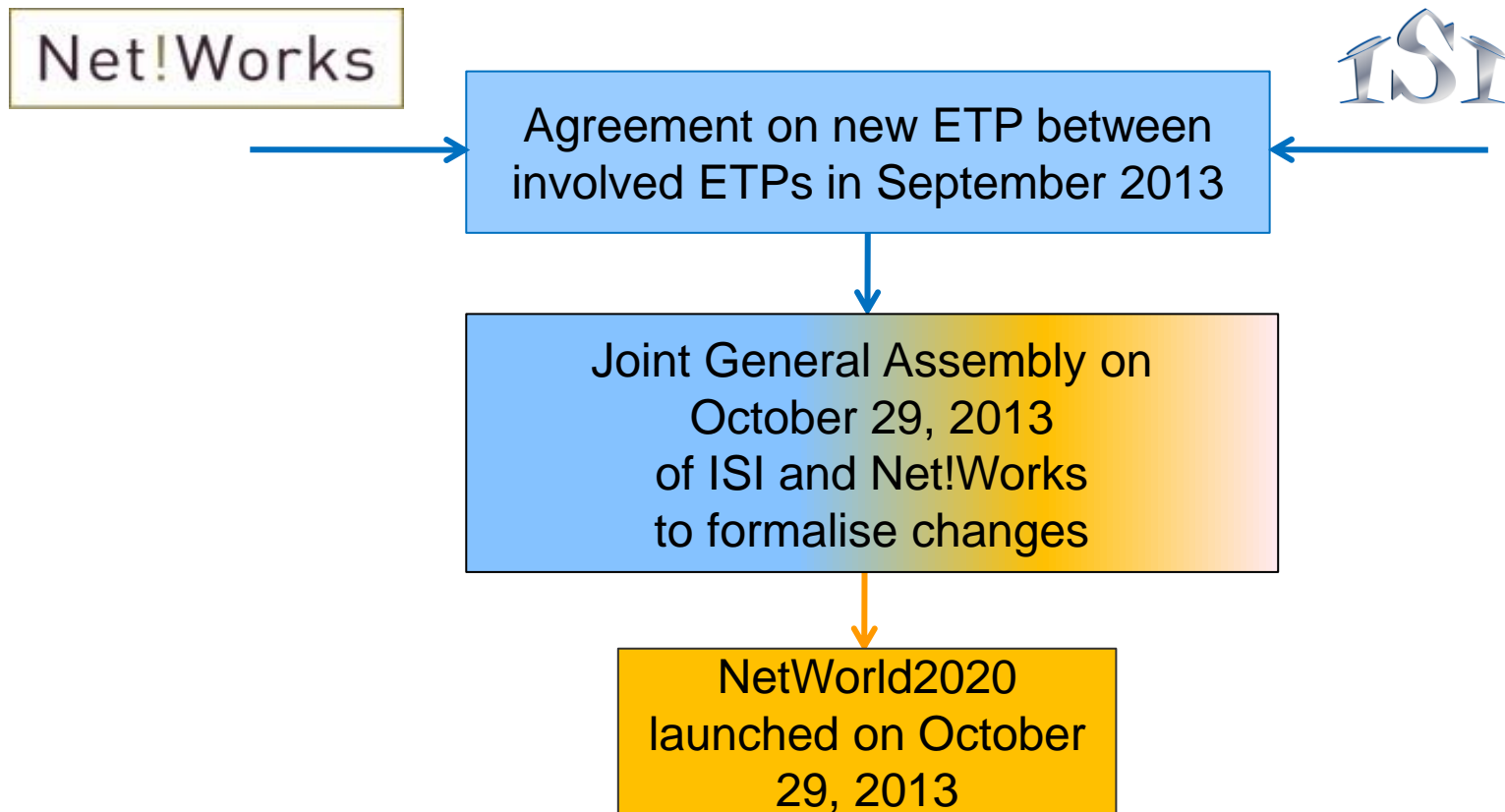
setup by ETPs Net!Works and ISI

Version: 20 May 2014

Background

- EU Commission asked in summer 2012 European Technology Platforms in the ICT domain to consider a new structure in order to best support Horizon 2020
- ISI and Net!Works started discussion in 2013
- A revised ETP governance model was
 - agreed by both Steering Boards and
 - approved by the ISI and Net!Works membership
- A new ETP – NetWorld2020 – has been launched on 29 Oct. 2013
- ISI and Net!Works membership has been transferred to the new ETP

Approach to launch NetWorld2020



Scope of the technology areas included

- 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.

Mission of NetWorld2020

- To develop position papers on technological, research-oriented and societal issues, which are agreed in NetWorld2020 bodies to receive a joint mandate.
- To seek discussion 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 the 5G-PPP initiative by
 - Providing the Association members, representing a broad spectrum of the 5G stakeholders, through an open election process
 - Producing a comprehensive Strategic Research and Innovation Agenda for the 5G domain with frequent updates, and
 - Promoting the active involvement of the ETP community in 5G initiative proposals and projects
- To support general communication networks R&D&I issues.

NetWorld2020 membership

Current members:

- Industry 197
- Research Domain 366
- SME 336
- COOP 98
- **Total members: 997**

- Any legally established corporation, university or research institute supporting the vision and mission of the ETP may apply for membership.
- Application form
 - <http://www.networld2020.org/how-to-join/>

Steering Board composition 2014-2015

The SB of NetWorld2020 was elected at the launch event on 29/10/13. It consists of the following 30 member organisations:

Industry group

- Alcatel-Lucent
- Airbus Defence and Space
- Atos
- Deutsche Telekom
- DOCOMO Communications Laboratories Europe GmbH
- Ericsson
- Huawei Technologies Düsseldorf GmbH
- NEC Europe Ltd., NEC Laboratories Europe
- Nokia Solutions and Networks
- Orange Labs
- Portugal Telecom
- SES
- Telecom Italia
- Telefónica I+D
- Telenor ASA
- Telespazio
- Thales Alenia Space
- Turk Telekomünikasyon A.Ş.

Research group

- CEA-LETI
- Centre Tecnologic de Telecomunicacions de Catalunya (CTTC)
- Consorzio Nazionale Interuniversitario per le Telecomunicazioni (CNIT)
- Fundacion IMDEA Networks
- Instituto de Telecomunicações
- University of Bologna - DEI

SME group

- Integrasys SA
- INTERINNOV
- M.B.I. S.R.L.
- Nextworks s.r.l.
- Quobis
- Sequans Communications

Steering Board Chair / Vice-chairs

The Steering Board Chair and 3 Vice Chairs were elected at the first Steering Board meeting on 5 December 2013:

- Chair:
 - Werner Mohr, Nokia Solutions and Networks
- 3 Vice Chairs:
 - Karl Schattauer, Alcatel-Lucent
 - Terje Tjelta, Telenor
 - Giovanni E. Corazza, University of Bologna

Current Working Groups

- **Expert Advisory Group**
 - Main objective to develop technical White Papers as contributions to updates of the Strategic Research and Innovation Agenda

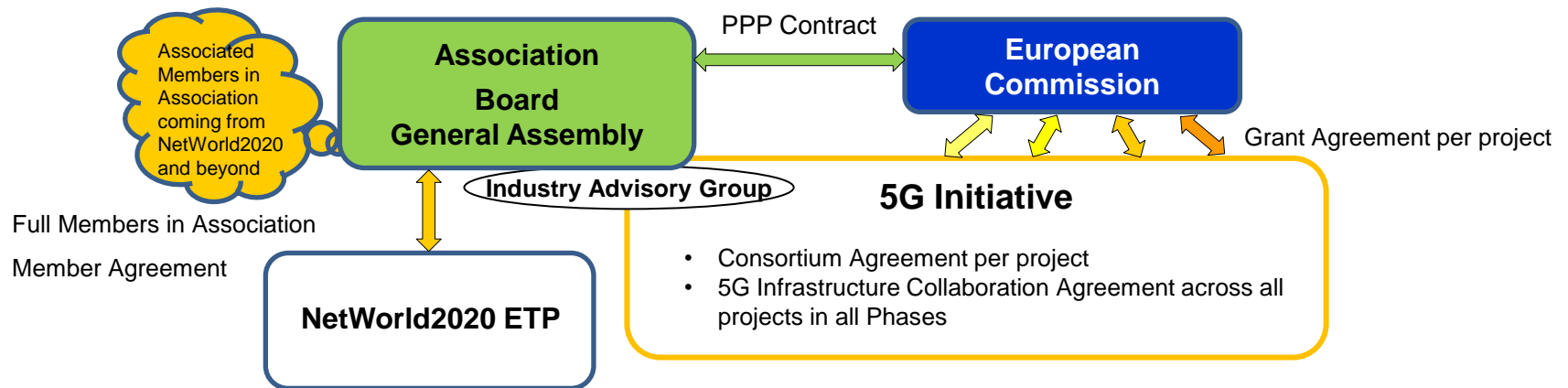
- **SatCom Working Group**
 - Main objective to work on SatCom specific topics and the convergence of satellite communication with fixed and mobile communication networks

Relation to the 5G-PPP (1)

- A 5G Public-Private-Partnership (PPP) has been prepared and established in 2013. NetWorld2020 is representing the European communications networks sector towards the 5G PPP and will contribute significantly to the development of the Strategic Research and Innovation Agenda (SRIA) , which will be used as an input document to the EU Commission for the Horizon 2020 work program and also for the 5G PPP.
- The 5G PPP is a so-called contractual PPP, where a contractual arrangement is signed between the EU Commission and a 5G PPP Association. This Association has been established in December 2013. Main objectives of the Association are to be the official communication channel for 5G PPP matters with the EU Commission, providing the endorsed SRIA to the Commission and monitoring the progress of the PPP and its implementation.
- The members of the NetWorld2020 Steering Board are automatically members of the 5G PPP Association. The ETP Steering Board issued a call for candidates for the election of 6 additional members to the Association in order to complement the 5G value chain in the Association. These 6 additional members have been elected by the ETP members in March 2014.

Relation to the 5G PPP (2)

- NetWorld2020 will support the 5G PPP by
 - the direct relation to the PPP Association and
 - the development of the Strategic Research and Innovation Agenda for the 5G-PPP



- The Association is an international non-profit association, named “The 5G Infrastructure Partnership”, established 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.

Next steps

- Update of the SRIA
- Mobilise the sector to create awareness and interest in participating in the 5G-PPP
- Establish contacts with other groups and raise awareness of the opportunities from communication networks