

**2008 EU-Japan Cooperation Forum on ICT Research**

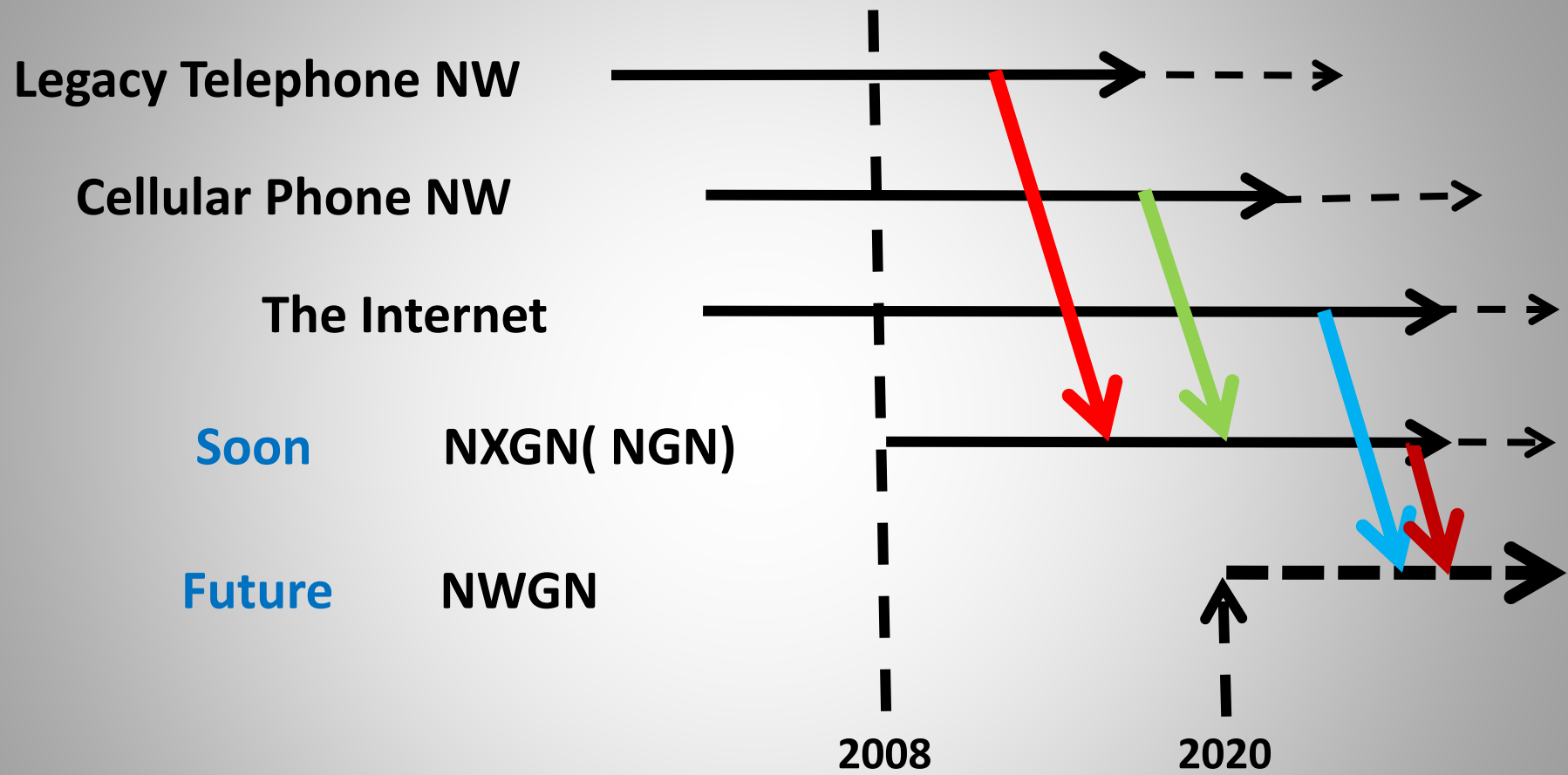
# **New Generation Network**

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**NICT PD**



# An image of network evolution



NXGN: Next Generation Network  
NWGN: New Generation Network

# NXGN and NWGN

- NXGN (**Ne**X**t Generation Network**): NGN  
Replacement of legacy telephone networks using **IP-based** networks to provide triple-play/quadruple-play services
- NWGN (**Ne**W** Generation Network**)  
**Clean-slate designed** network architectures and main protocols different from IP-based networks

# Japanese Strategy for NWGN

All Japan Forum      **NWGN Promotion Forum**

NICT set the NWGN Strategic Headquarter

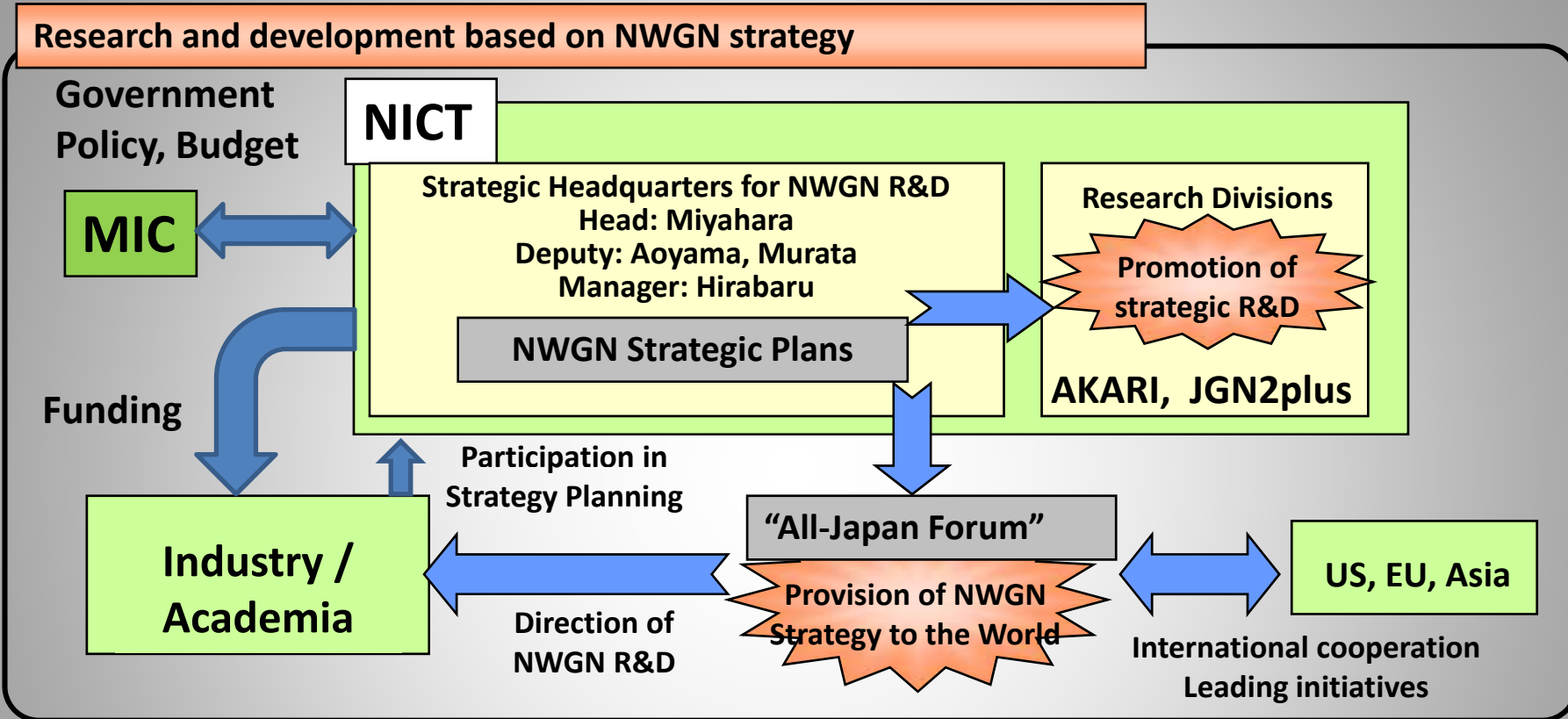
COE for NWGN Architecture Research      **AKARI Project**

Network Testbed      **JGN2plus**

Funding for R&D on NWGN in Industry ,Academia & NICT

Collaboration with EU, NSF & CK

# Japan's R&D Formation for New Generation Network (NWGN)



## Effects expectation

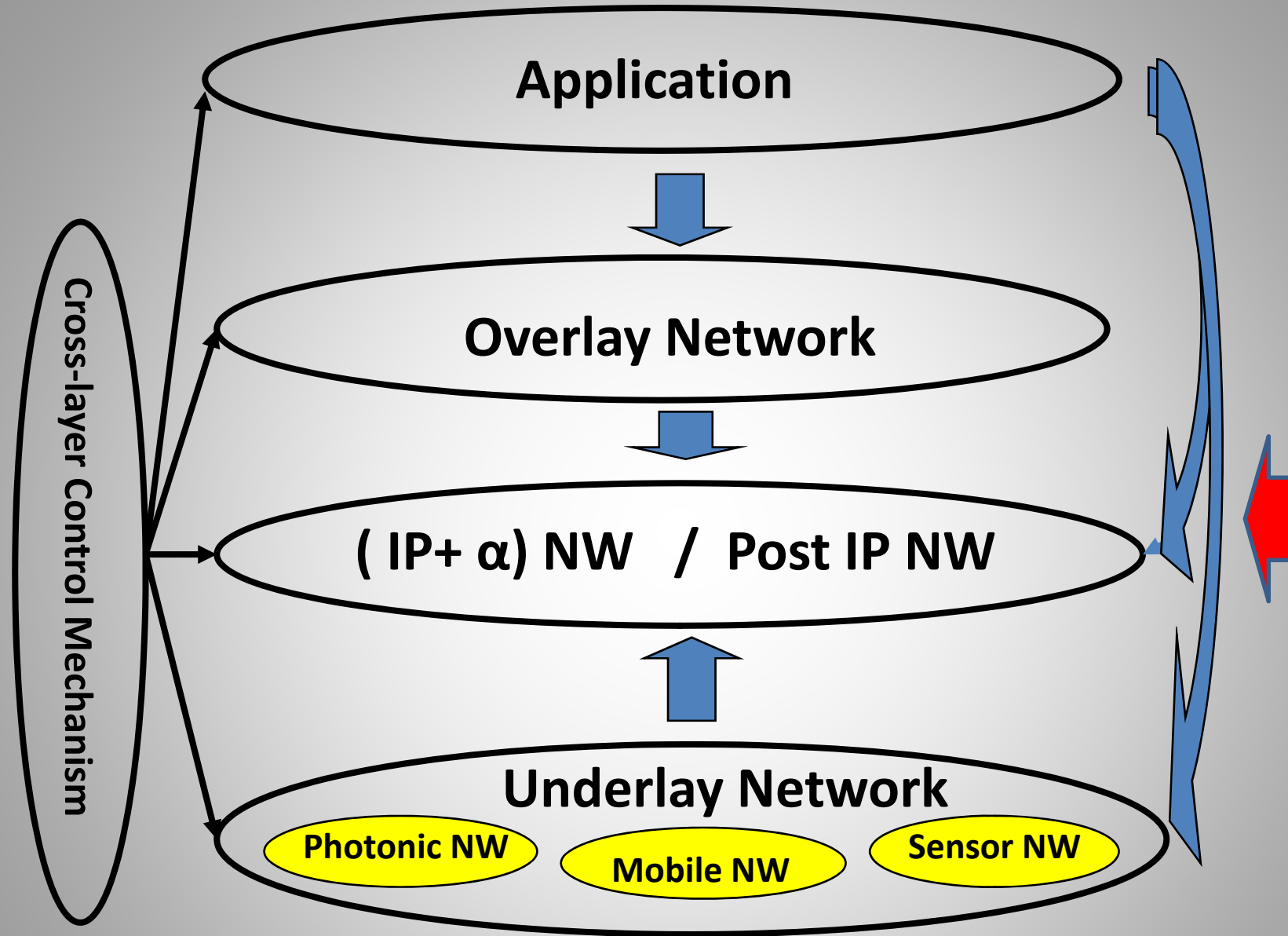
- (1) Ensuring consistency and increasing efficiency of all Japan's R&D activities.
- (2) Indicating the direction of NWGN R&D for industry and academia.
- (3) Tight collaboration with EU, US and Asia in NWGN R&D by "All Japan strategy".
- (4) Developing qualified researchers in ICT field.

# AKARI Project

**- a small light in the dark pointing to the future -**

- Started in 2006
- NWGN Architecture Design based on Clean-slate approach
- NICT Researchers + University Professors
- First Conceptual Paper opened  
<http://nag.nict.go.jp/topics/20070430.html>
- AKARI Workshop & International Symposium





# Study Items for NWGN Architecture