

JGN2 and Osaka Research Center



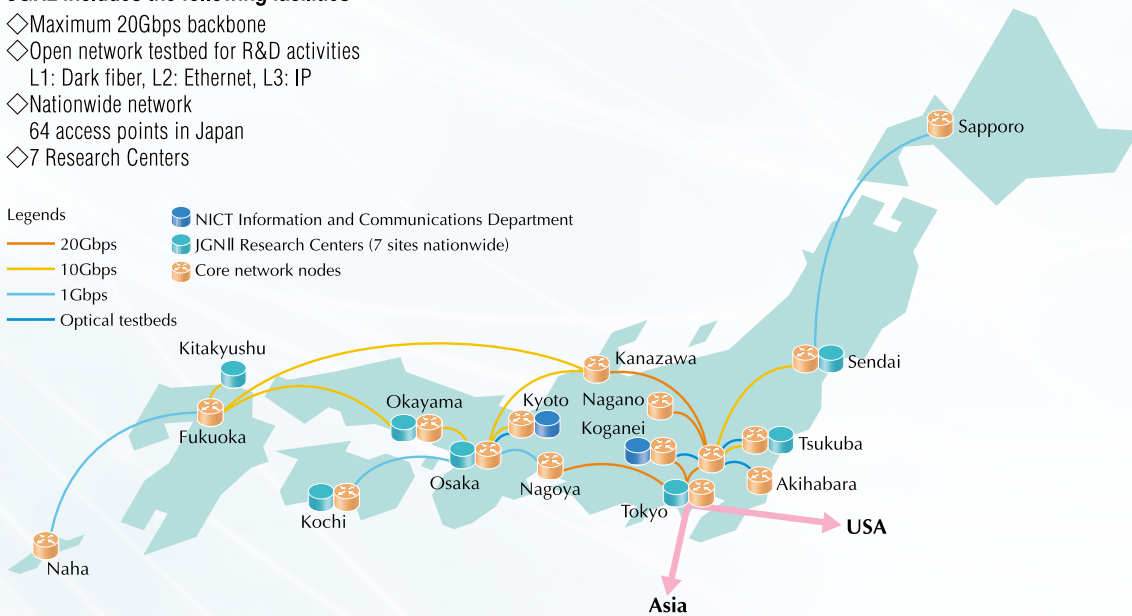
JGN2 - Advanced Network Testbed for R&D

JGN2 includes the following facilities

- ◇ Maximum 20Gbps backbone
- ◇ Open network testbed for R&D activities
 - L1: Dark fiber, L2: Ethernet, L3: IP
- ◇ Nationwide network
 - 64 access points in Japan
- ◇ 7 Research Centers

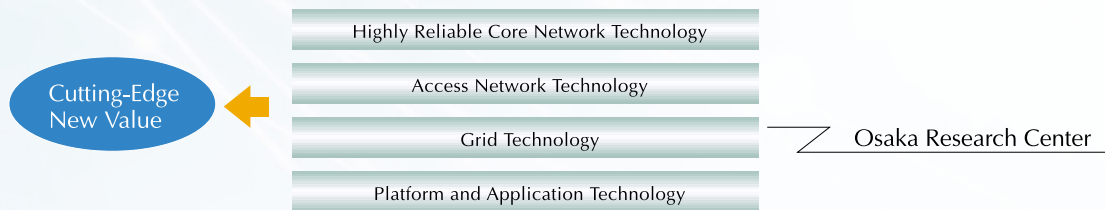
Legends

- NICT Information and Communications Department
- JGNII Research Centers (7 sites nationwide)
- 20Gbps
- 10Gbps
- 1Gbps
- Optical testbeds
- Core network nodes



JGN2 R&D Activities

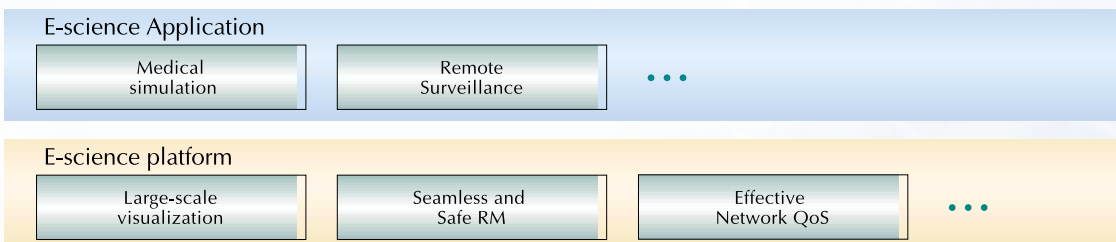
JGN2 aims to create a cutting-edge technology, a new value, an innovation leading to social and technological breakthroughs by promoting diverse collaborations between industry, academia, government and regional organizations.



R&D Focus and Research Direction at Osaka Research Center

Platform for next-generation e-science and its component technology

- ◇ Seamless and safe resource management under a large-scale Grid environment
- ◇ High performance remote visualization and computation
- ◇ Network QoS technology to improve the efficiency of network resources
- ◇ E-science applications



National Institute of
Information and
Communications
Technology

NICT Osaka Research Center
c/o Shimojo Lab, Cybermedia Centre
Osaka University
<http://www.jgn.nict.go.jp/index.html>