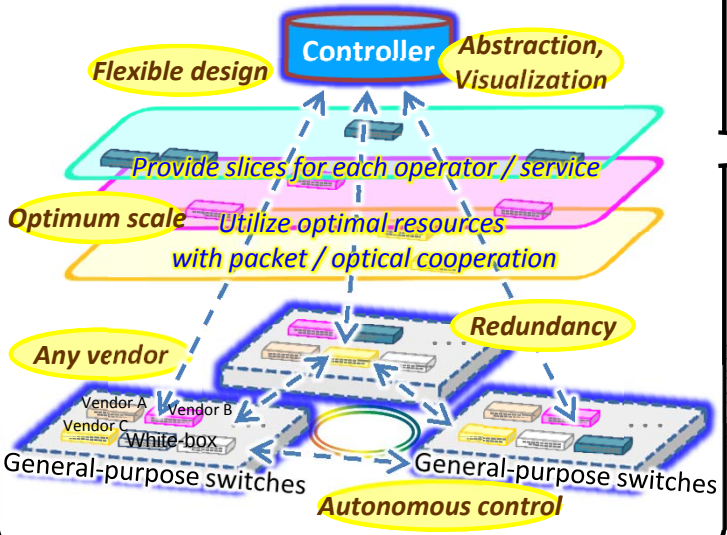
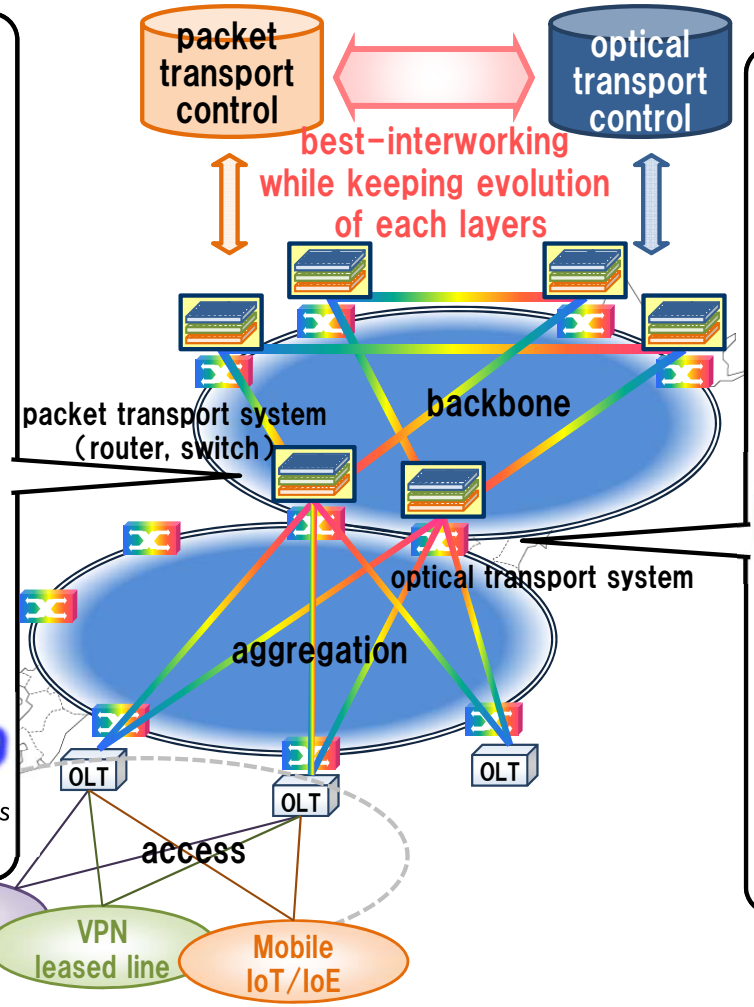
Future Transport Network Architecture

- To reduce CAPEX/OPEX of nationwide transport network drastically and provide network slices for service providers flexibly, we propose future optical and packet transport network architecture with related system structure, and also propose SDN-based control schemes that make individual operational processes simple, relaxed, and risk-free.

Packet Transport Network

- general-purpose-switch based cluster architecture for easy introduction and extension
- SDN-based network slice provision and configuration for timely delivery of service networks as requested by customers





Optical Transport Network

- extensions-disaggregated system architecture for cost reduction and flexible extensibility
- SDN-based analysis and control for failure sign detection, failure-recovery condition relaxation, simple and risk-free operation