

# INFN and WP2: topics of interest

- QoS:
  - Inter-domain issues (service mapping, service interoperability)
  - Active queue management techniques
  - Experimentation: device testing, aggregation, shaping
- Optical networking:
  - Across Europe and with US
  - Initial phase: sub-channeling of lambdas for overlay networks
  - Second phase: Unified Control plane, O-UNI and G-MPLS, bandwidth provisioning for network-aware applications, lambda switching
- Advance reservation:
  - Diffserv-based:
    - manual configuration+admission control, COPS, authentication
    - inter-domain, dynamic, diffserv-based bandwidth brokerage
  - Lambda-based