

3 views of optical networks

- 1. Dynamic optical networks lightpaths on demand
- 2. Static links for swapping
- 3. An easy tool for traffic engineering for traditional IP networks



- > IP routed networks are really good for handling sporadic large flows once a week
- > UCLP is to provide permanent links for those who have sustained heavy traffic flows between well known sites



C\N\RIE

GENI-Network Virtualization



Source: Network Virtualization web site

NETWORKS > COLLABORATION > RESULTS > RÉSEAUX > COLLABORATION > RÉSULTATS



GENI + SOA = UCLP











- > Web services, workflow, discovery and consumption
- > CORBA, DCOM, Jini/Javaspaces
- > Big advantage of SOA
 - Loose coupling
 - "Service" versus "Object" orientation
- > **GT4**
 - Very heavy and bloated
- > Apache/Axis
 - Lightweight and easy to use
- > WSRF versus WS versus BPEL
 - when you have state in the instrument (or service) then WSRF
 - BPEL when you have state between services

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