Production use of dynamic BoD infrastructures by scientific community

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GÉANT Network and BoD service

Diagram showing network connections between various countries represented by city abbreviations.
NSI CS provides unified global service out of multiple independent local provisioning services.
NSI CS Historical Milestones

- **CS’12 demo**: Nov 2012
- **NSI CS v2.0 demo**: Oct 2012
- **Efforts on NSI CS v2.0 started**: Mar 2012
- **NSI testbed has 14 sites**: Feb 2012
- **NSI CS v1.1 approved**: Dec 2011
- **SC’11 demo – 9 sites**: Nov 2011
- **First data plane demo – 8 sites**: Oct 2011
- **First demo (control plane only)**: Sep 2011
- **NSI CS v1.0 approved**: Aug 2011
NSI Reservation State Machine

- Initial
- Reserved
- Provisioned
- Terminated
Network of radio telescopes

Image by Paul Boven (boven@jive.nl). Satellite image: Blue Marble Next Generation, courtesy of Nasa Visible Earth (visibleearth.nasa.gov).
NEXPReS NSI client
NSI network in NEXPReS
Thank you!