



From the north to the very north

Carlos Natalino

Federal University of Pará KTH Royal Institute of Technology

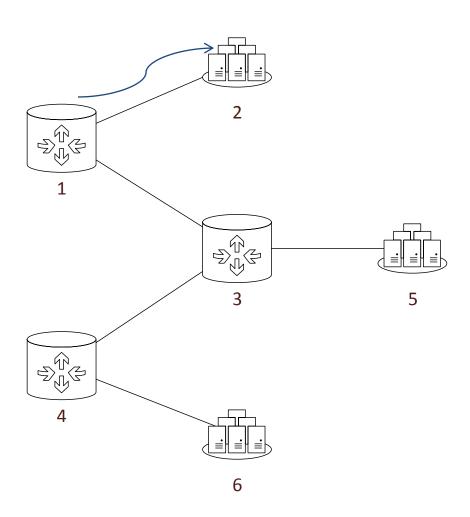
Agenda

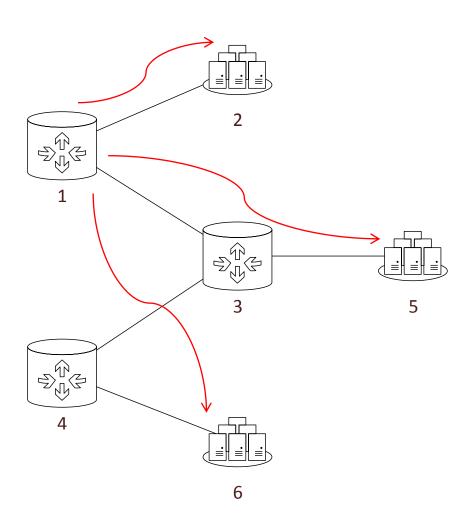
- PhD work
 - Optical networks and optical clouds
- Experience in Sweden

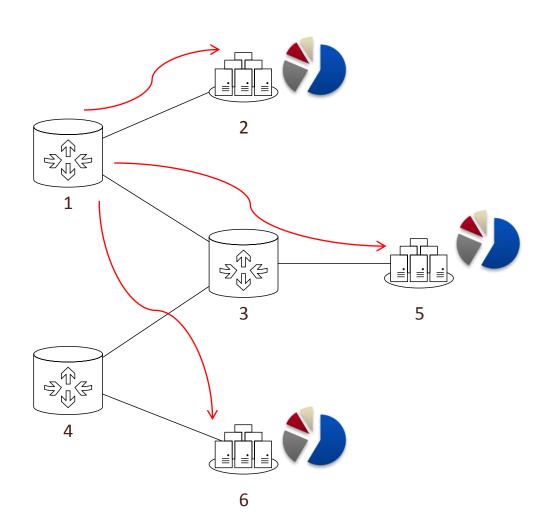
Universities

- Federal University of Pará
 - LPRAD (Laboratory on Planning High Performance Networking)
 - Electrical engineering (ongoing PhD)
- KTH Royal Institute of Technology
 - ONLab (Optical Networks Laboratory)
 - ICT (Information and Communication Technology)
 - Prof. Dr. Paolo Monti

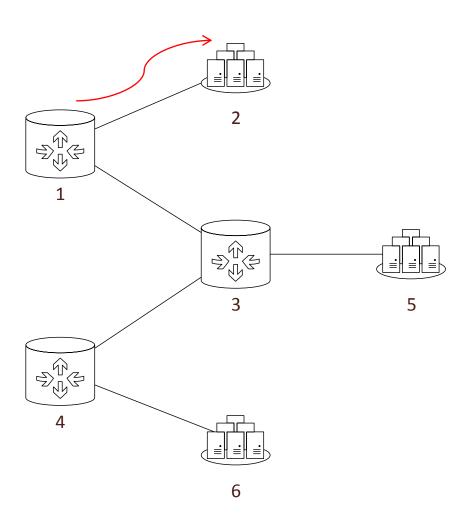
Optical Networks



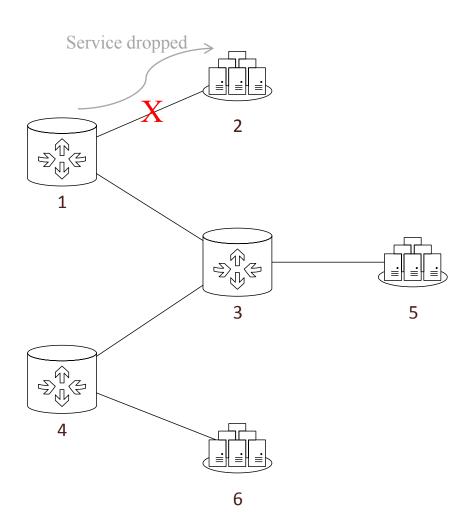


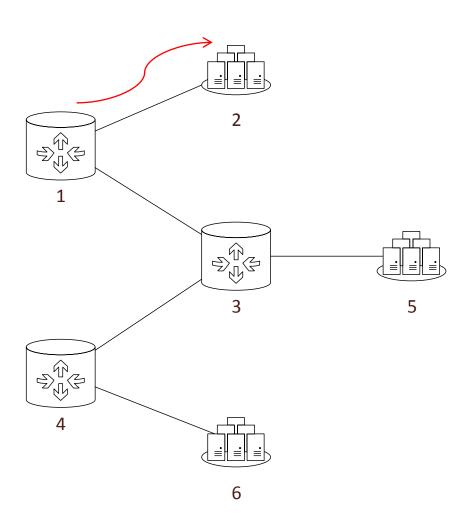


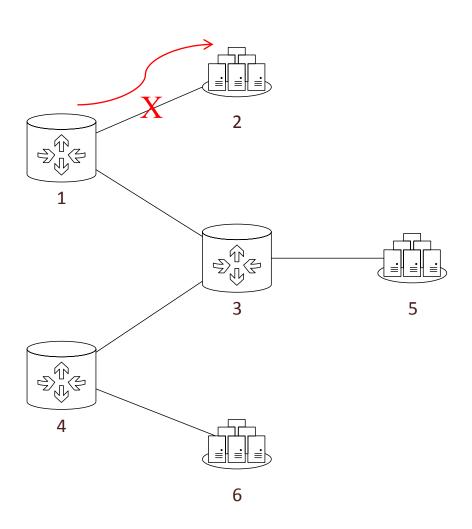
Optical Networks

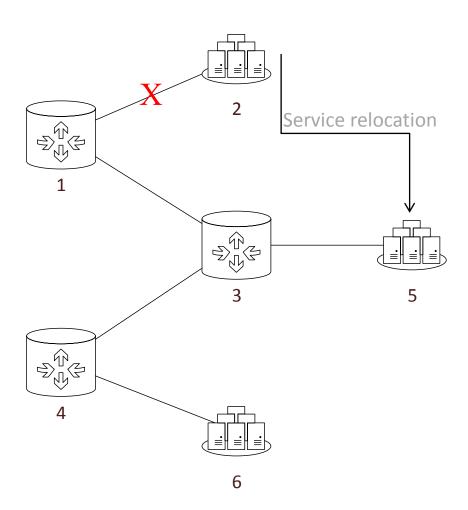


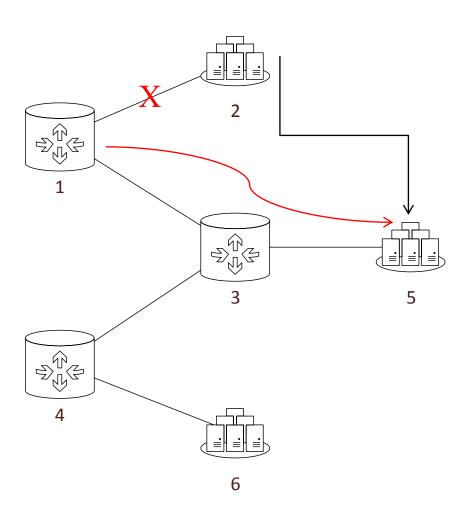
Optical Networks





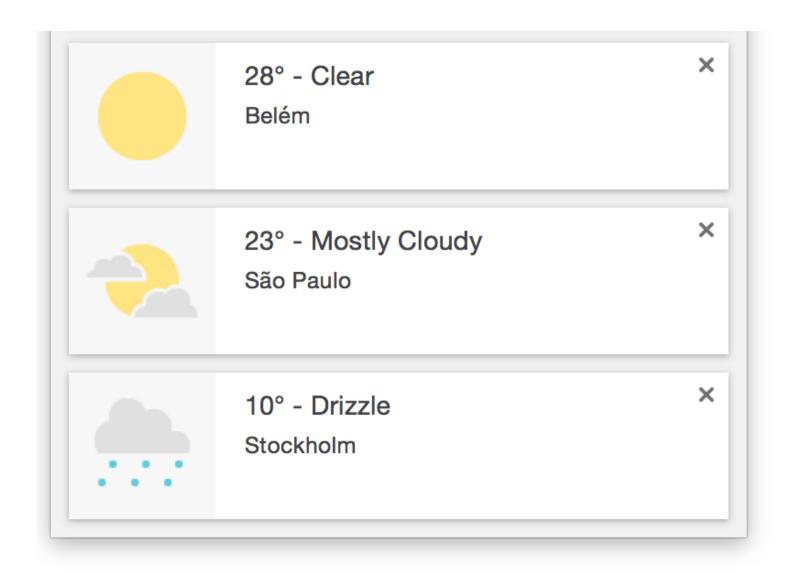


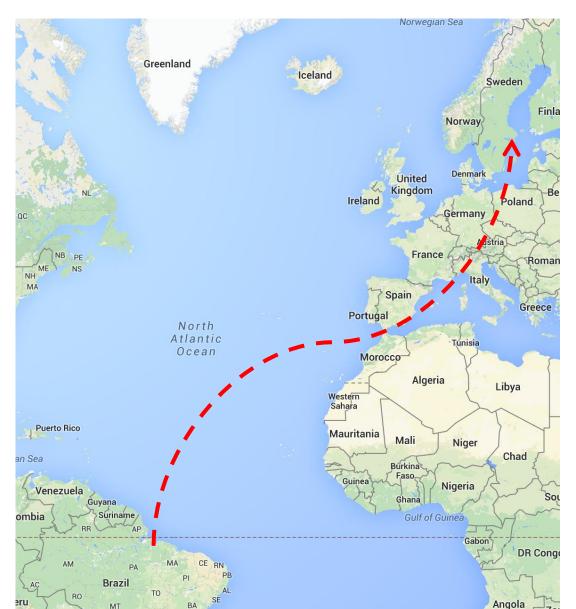


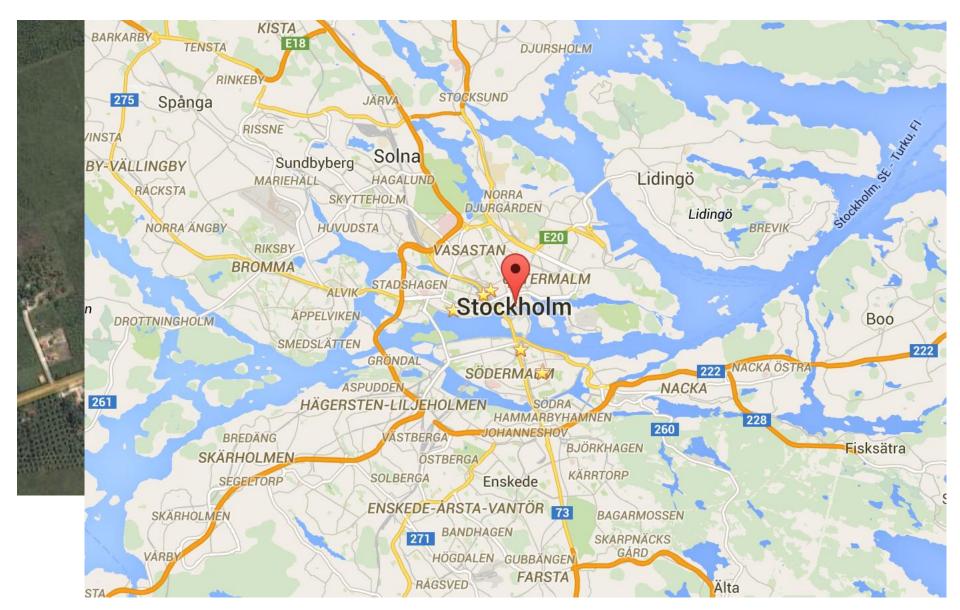


Next steps

- Design and planning optical cloud infrastructure
 - Networking infrastructure
 - Datacenter infrastructure
 - Use of optimization models
 - Enhance protection level
 - Reduce needed infrastructure
 - How can cities collaborate to improve ICT resilience without high investment?







- Opportunity
 - Interact with other cultures
 - Interact with other people
 - Turn your project into something real
 - Enhance as person and researcher
 - People, friends
 - Green grass on the summer, and snow on the winter (as I had never seen)

QUESTIONS?





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