



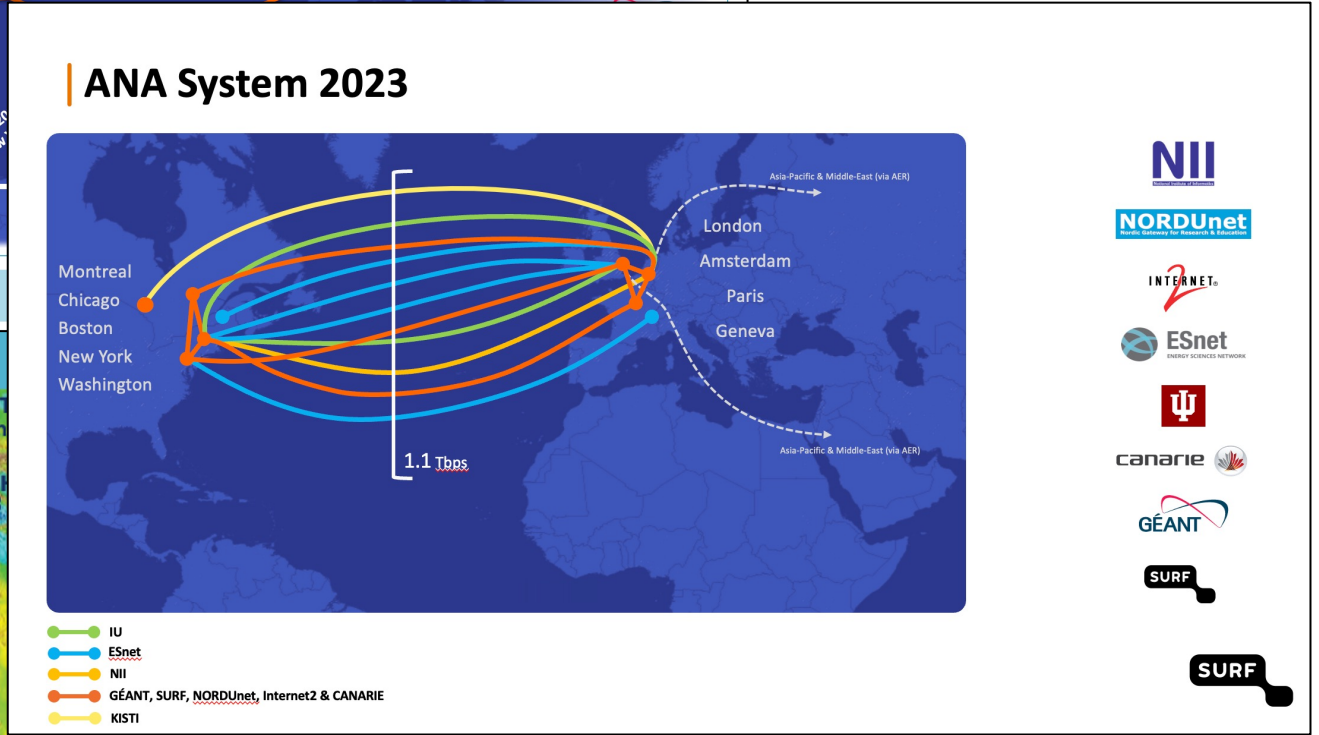
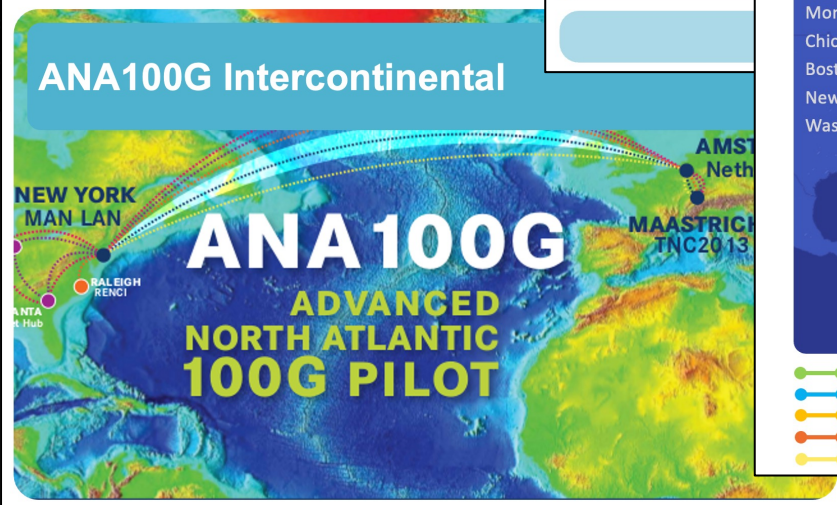
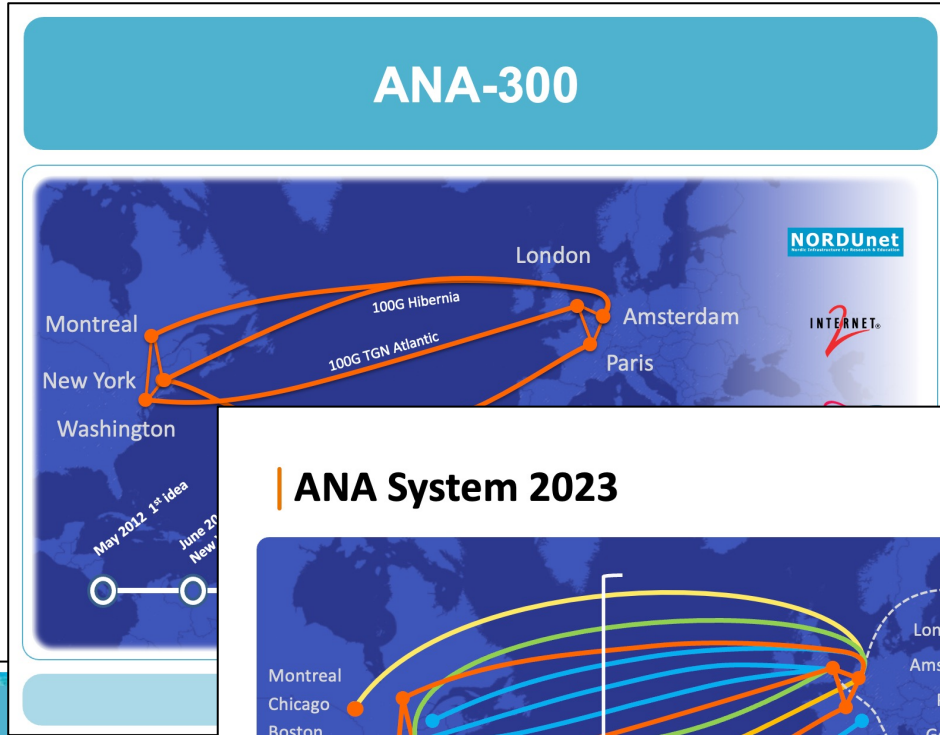
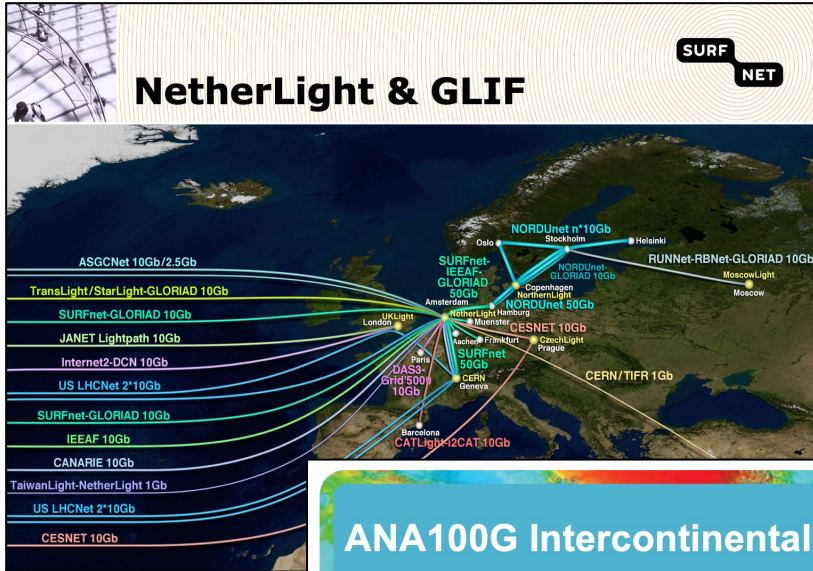
SURF

Spectrum Sharing on intercontinental links

Alexander van den Hil

April 8th 2024 – Catania, Italy

Introduction



- NII
- NORDUnet
- INTERNET2
- ESnet
- Ψ
- canarie
- GÉANT
- SURF
- SURF



Introduction

21.03.2024



Legend for fiber optic routes:

- KREONET (Yellow arc)
- SURF/NORDUnet (Blue arc)
- SINET (Cyan arc)
- NEA3R (Green arc)
- ESnet (White arc)
- Internet2/CANARIE (Orange arc)
- GÉANT (Purple arc)

Scale: 100Gbps, 400Gbps



What type of services do we need? Can we facilitate these?

How do we deal with varying missions and strategies?

When a diversity of entities
are involved, how do we
deal with this?

Why do we need to improve federated operations? What is business impact?

How can autonomous,
independent actors still be
involved?

Do geopolitics and multicultural aspects play a role here? What are these and How?

Alexander van den Hil

Alexander.vandenHil@surf.nl

<https://www.surf.nl>

Driving innovation together



