

I-SHARe

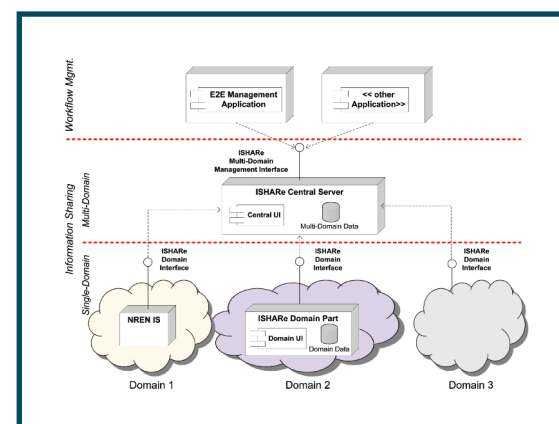
Information Sharing Across Heterogeneous Administrative Regions

Joint task of an international team (GARR, DFN, SWITCH, PSNC)



1 Motivation & Purpose

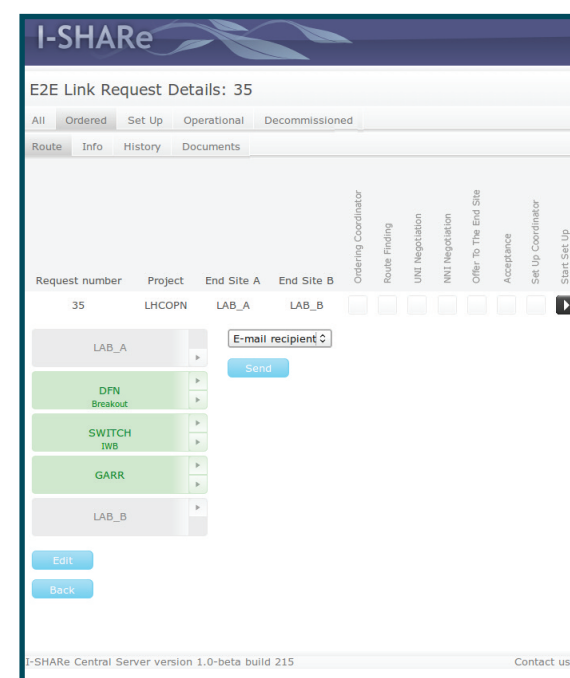
- Foster manual operational processes
- Simplify collaboration between domains
- Focus on information exchange between NRENs



I-SHARe architecture

2 Milestones

- Start of activity: mid of 2007
- Phase I (mid 2007 – end of 2008)
 - *Focus:* requirement analysis
 - *Method:* analysis of established manual processes
 - *Results:* specification of I-SHARe prototype
- Phase II (2009)
 - *Focus:* proof of concept based on prototype
 - *Method:* evaluation through interviews with operations
 - *Results:* adopt requirements and specification for productive tool
- Phase III (ongoing work)
 - *Focus:* development of productive version
 - *Next step:* pilot application by 5 NRENs



I-SHARe GUI: E2E Link planning (ordering phase)

3 Features of I-SHARe

- Negotiation of interfaces
- Support of manual route planning
- Document management
- Covers operational aspects during the whole E2E Link lifecycle
- In the future: support workflows based on information exchange

	SWITCH	GARR
General Information		
Status	completed	completed
Total Capacity [Gbps]	10.0	10.0
Demarcation point location		
Name	Manno	Manno
Full address	CSCS - Centro Galleria 2, Via Cantonale, 6928 Manno	CSCS - Centro Galleria 2 - Via Cantonale CH - 6928 Manno
Working hours	9:00 - 17:00	9:00 - 17:00
On site staff information	-	SWITCH NOC
Emergency phone number	+41442681530	+41442681530 - SWITCH NOC num.
NREN contact information	SWITCH	SWITCH
Additional information	contact SWITCH staff, not people from Manno	for problems on ADVA equipment call GARR NOC (and inform SWITCH NOC)
Physical Layer Information		
Hardware Name	mMA12.switch.ch	wdm-ch.m1.garr.net
Hardware Model	Sorrento	ADVA
Hardware Description	DWDM	DWDM
Active Equipment Location	MAN-E154-RCSC54	Rack GARR - CSCS
Presence of Patch Panel	<input type="checkbox"/>	<input type="checkbox"/>
Interconnection Point	Direct connection to GARR's ADVA, singlemode fibre 15 metres with SC - MU/PC SM connector	Direct cable to SWITCH's Sorrento, singlemode fibre 15 metres with SC - MU/PC SM connector
Demarcation Point		
Interface	10GE LAN PHY	10GE LAN PHY

I-SHARe GUI: Network-to-Network-Interfaces (NNI)