



SEQUIN



DANTE

IST-1999-20841

18 months
from 1 November 2000

SEQUIN

Go into View / Master / Slide Master and replace this with: TITLE of presentation - your NAME (your EMAIL ADDRESS)

BILTON MEETING





SEQUIN Goals

- Provide, using currently available technology, network service quality guarantees to users, in a multi-domain and multi-technology environment.
- Define, with users, the meaning of service quality and its parameters.
- Define an implementation model for QoS
- Prove the model with international test groups and promote its use in production networks



Interview results (continued)

Overall the users showed medium to low knowledge of their QoS needs and QoS techniques, but unanimously requested it, as a way to have a better service from network for their work.

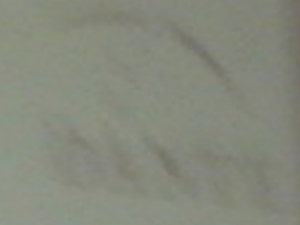
Present difficulties are mainly due to congestion.

Willingness to pay is proportional to the real benefits, granularity of the service, provisioning time and flexibility and behaviour of Best Effort.

Need for simple, fast access to the QoS service.



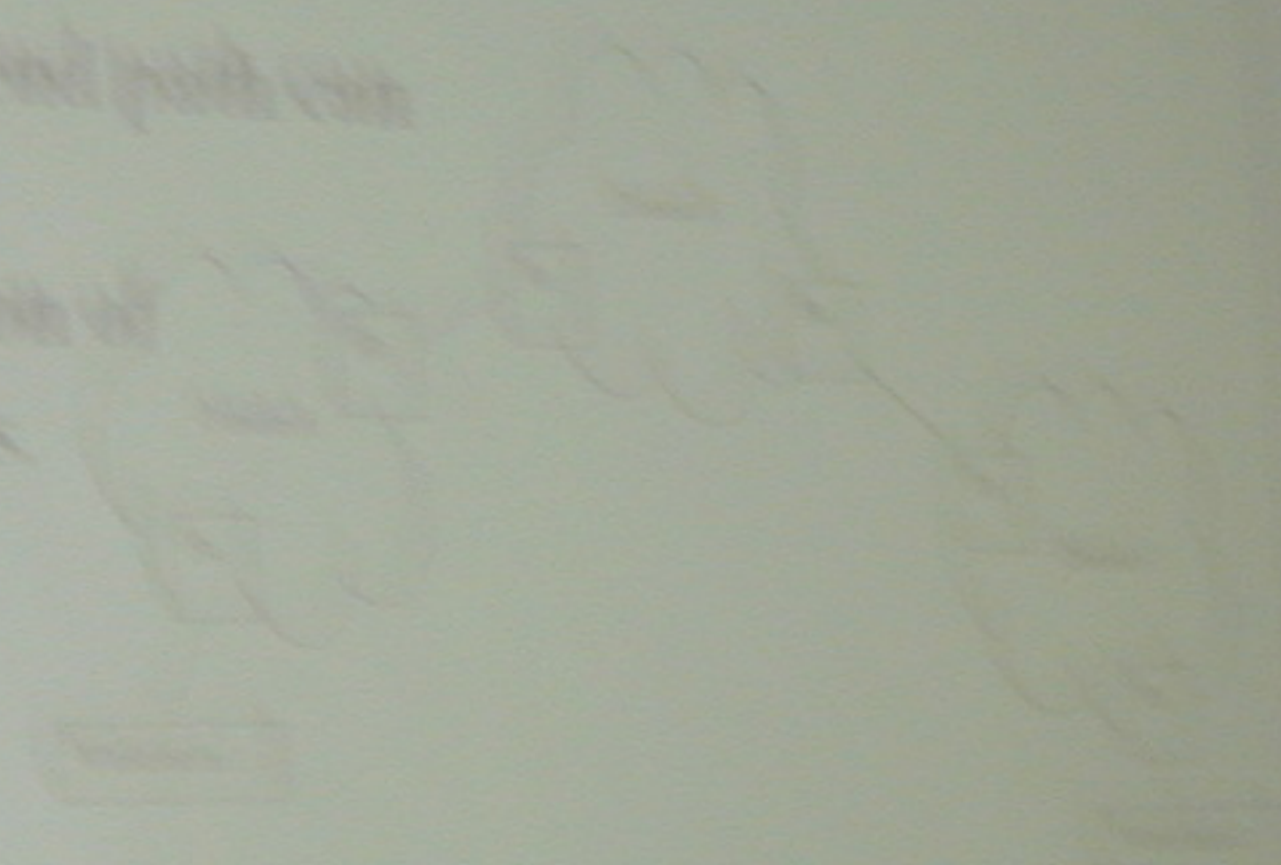
Premium IP parameters



- The parameters are generated at an end-to-end basis
- The end-to-end path can be seen as a

sequence of

segments





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SEQUIN Tests

SEQUIN workshop,
Amsterdam, 1 February 2002

Szymon Trocha
PSNC

SEQUIN

Sequin Workshop - Amsterdam 01 FEB 02 S.Trocha

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Collaboration MOICANE-SEQUIN

Carlo Arioli
Alcatel, MOICANE Partner

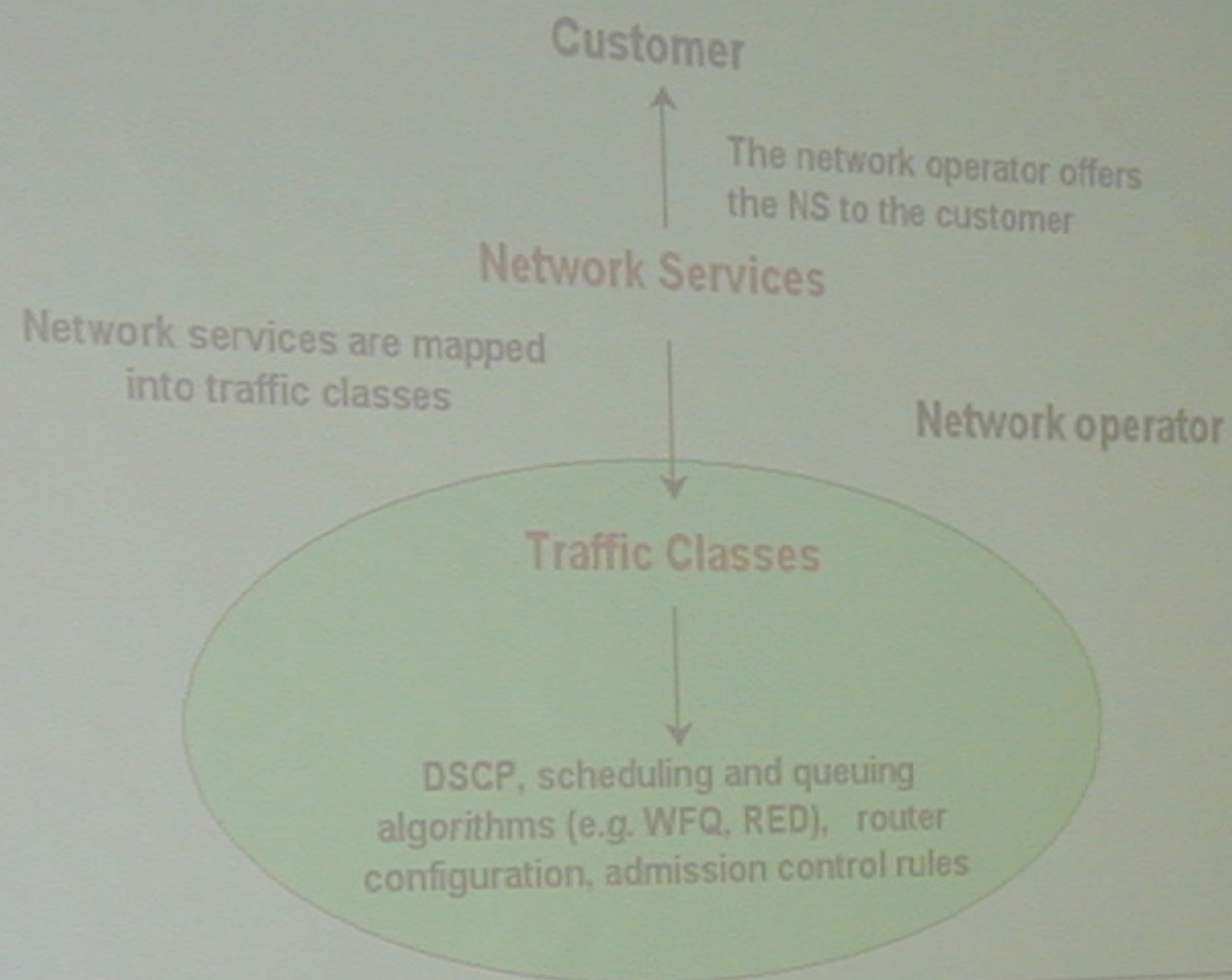


- ◆ Cooperation with SEQUIN
- ◆ Follow-ups
- ◆ Questions & answers



SEQUIN workshop Amsterdam, 1/02/2002

Traffic Classes



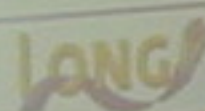


UNIVERSITAT POLITÈCNICA
DE CATALUNYA



LONG Laboratories Over Next Generation Networks

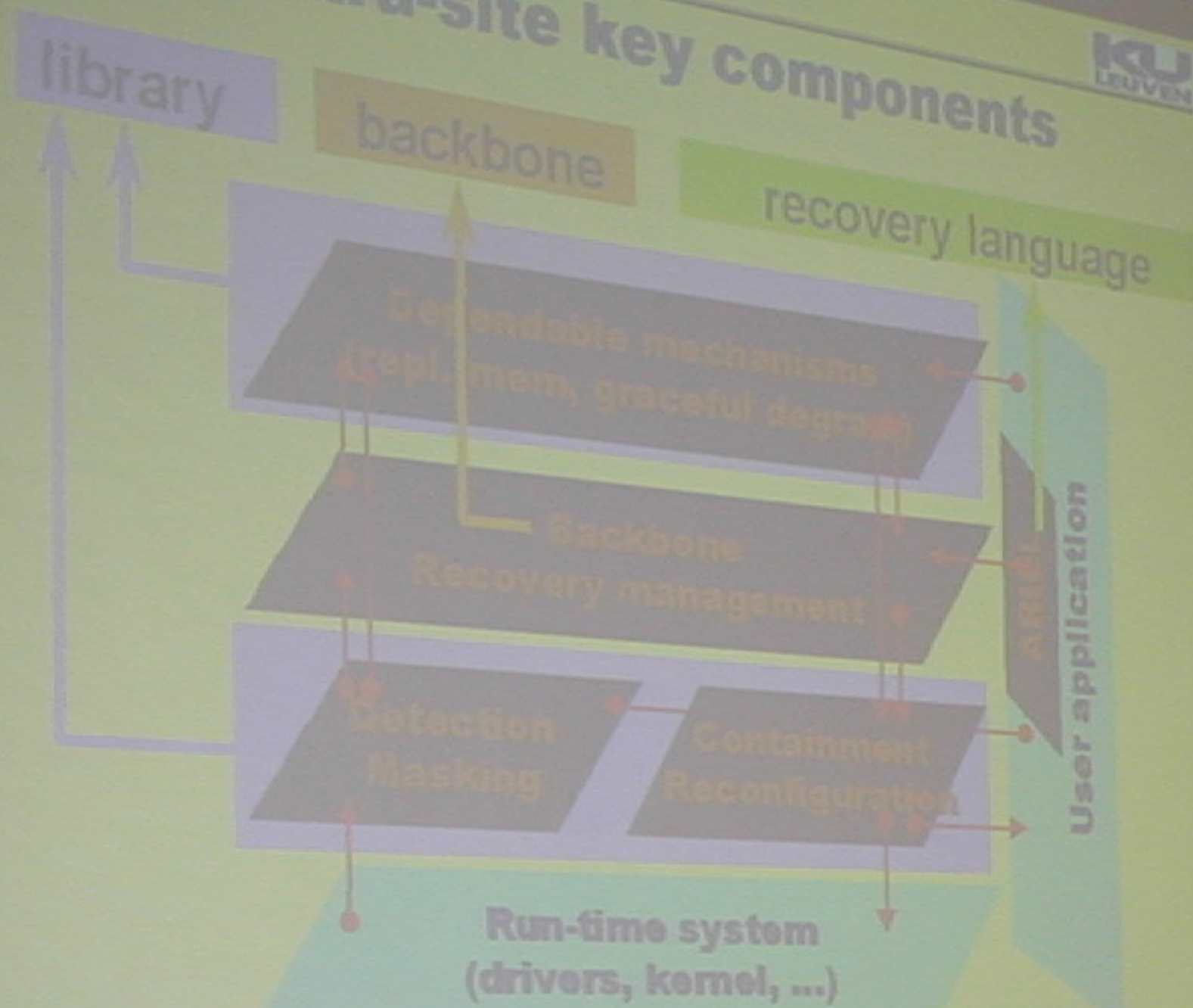
Jordi Domingo-Pascual
Josep Mangués-Bafalluy
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LONG: Laboratories Over Next Generation Networks.



Intra-site key components







DataGRID Application Requirements

Tiziana Ferrari

Researcher, INFN

Italian National Institute for Nuclear Physics

Tiziana Ferrari

DataGRID Application Requirements



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Objective.

- Implementation of a distributed computing platform offering a comprehensive range of services to grid-aware applications, including
 - resource advance reservation
 - network QoS
 - tuning of transport protocol stacks
- Application use-cases:
 - High Energy Physics (WP8)
 - Earth observation (WP9)
 - Biomedical applications (WP10)
- Middleware

Toziana Ferrari

DataGRID Application Requirements



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DataGRID Application Requirements

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○ Develop an advanced validation of an RCP

→ WP1 : Installation

→ WP2 : Conformance

○ Research, Design and management of

→ WP3 : Intra-domain use of MPLS resili

→ WP4 : Inter domain

○ Test the final version applications

→ WP5 : Demonstration



Objectives of the projects

- **Develop an advanced testbed for experiments and validation of an Advanced Terabit Router (ATR) : the A7770 RCP**
 - WP1 : Installation and integration of the Network
 - WP2 : Conformance , Interoperability and Performance testing
- **Research, Design and experiment with a set of traffic management algorithms and protocols**
 - WP3 : Intra-domain traffic engineering, use of QOS in LSP, multicasting, use of MPLS resilience
 - WP4 : Inter domain traffic engineering, impact on BGP and RSVP-TE
- **Test the final version of the ATR with very high demanding applications**
 - Wp5 : Demonstration and Experiments



Atrium



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