

INFORMATION SOCIETY TECHNOLOGIES (IST) PROGRAMME



A Scaleable Monitoring Platform for the Internet
Contract No. IST-2001-32404

D4.3 “2nd SCAMPI Workshop”

Contractual Date of Delivery	31 May 2004
Report Date	18 June 2004
Deliverable Security Class	Public
Editor	Kevin Meynell
Contributors	Herbert Bos, Luca Deri, Simon Leinen, Evangelos Markatos, Kevin Meynell, Jiri Novotny, Georg Poell, Jürgen Quittek, Fulvio Risso, Vladimir Smotlacha & Arne Øslebø

The SCAMPI Consortium consists of:

TERENA	Coordinator	The Netherlands
IMEC	Principal Contractor	Belgium
FORTH	Principal Contractor	Greece
LIACS	Principal Contractor	The Netherlands
NETikos	Principal Contractor	Italy
Uninett	Principal Contractor	Norway
CESNET	Principal Contractor	Czech Republic
FORTHnet	Principal Contractor	Greece
Masaryk University	Principal Contractor	Czech Republic



Overview

The 2nd SCAMPI Workshop was held on Monday, 3 May 2004 at the NH Amsterdam Centre Hotel in Amsterdam, The Netherlands.

The workshop provided an overview of high-speed network monitoring activities, considering both hardware and software solutions. It provided an insight to the SCAMPI project, and presented a variety of approaches to the problem of high-performance traffic monitoring.

The workshop ran from 10.00 to 17.30 and was divided into three sessions. Presentations were as follows:

10.00-12.00 Chair: Kevin Meynell

- Introduction and Objectives – *Kevin Meynell, TERENA*
- The SCAMPI Approach – *Arne Øslebø, Uninett*
- Using programmable hardware for traffic monitoring – *Jiri Novotny, Masaryk University*
- Firmware of SCAMPI Adapter – *Vladimir Smotlacha, CESNET*

13.00-15.00 Chair: Kevin Meynell

- EExB: A Domain-Specific String Matching Algorithm for Intrusion Detection – *Evangelos Markatos, FORTH*
- IXP-based Monitoring – *Herbert Bos, LIACS*
- Improving Passive Packet Capture: Beyond Device Polling – *Luca Deri, NETikos*
- Towards high-speed network analysis: the NetVM approach – *Fulvio Rizzo, Politecnico di Torino*

15.30-17.30 Chair: Kevin Meynell

- IETF Monitoring Activities – *Jürgen Quittek, NEC Europe*
- Operating Support Systems – *Georg Poell, Narus*
- Flow-based Accounting: Applications and Standardisation – *Simon Leinen, SWITCH*
- LOBSTER: Large-Scale Monitoring of Broadband Internet Infrastructure – *Evangelos Markatos, FORTH*

The full proceedings of the workshop can be found on the SCAMPI website at:


<http://www.ist-scampi.org/events/workshop-2004/>



List of participants

There were a total of 47 attendees representing 13 countries at the workshop.

<i>Name</i>	<i>Organisation</i>	<i>Country</i>
Michael Akin	Narus Inc.	United States
David Antoř	Masaryk University	Czech Republic
Herbert Bos	LIACS	The Netherlands
Willem de Bruijn	LIACS	The Netherlands
Andrew Cockburn	Narus Inc.	United States
Andrija Condor	CARNet	Croatia
R. Coolen	TNO Telecom	The Netherlands
Jan Coppens	IMEC	Belgium
Mihai Cristea	LIACS	The Netherlands
A.J.G. Degen	TNO Telecom	The Netherlands
Luca Deri	NETikos	Italy
Stijn De Smet	IMEC	Belgium
Paulo De Sousa	European Commission	-
Jan Ferre	Uni-C	Denmark
Frank J. Furrer*	-	Switzerland
Pieter Hanssens	Belnet	Belgium
J.M. Hoogstraaten	TNO Telecom	The Netherlands
Vaidotas Januska	LITNET	Lithuania
Marijke Kaat	SURFnet	The Netherlands
Baiba Kařkina	TERENA	The Netherlands
Jan Kohlrausch	DFN CERT	Germany
Simon Leinen*	SWITCH	Switzerland
Evangelos Markatos	FORTH	Greece
Mally McLane	JANET CERT	United Kingdom
Kevin Meynell	TERENA	The Netherlands
Milda Mimiene	LITNET	Lithuania
Paolo Moroni	CERN	-
Jiri Novotny	Masaryk University	Czech Republic
Luuk Oosterbrink	SURFnet	The Netherlands
Manolis Petsagourakis	FORTHnet	Greece
Georg Poell	Narus Inc.	United States
Michalis Polychronakis	FORTH	Greece
Georgios Portokalidis	LIACS	The Netherlands
Aiko Pras*	University of Twente	The Netherlands
Jürgen Quittek	NEC Europe	Germany
Fulvio Risso	Politecnico di Torino	Italy
Fabian Schwartz	Narus Inc.	United States
Vladimir Smotlacha	CESNET	Czech Republic
Thomas Telkamp	Global Crossing	The Netherlands
Hans Trompert	SURFnet	The Netherlands
Alexander Tudor	Agilent Labs	United Kingdom
Sven Ubik	CESNET	Czech Republic

	Deliverable 4.3	IST-2001-32404
---	-----------------	----------------

Steve Uhlig
Igor Velimirovic
Pierre Wallemacq
Rene Wilhelm
Arne Øslebø

University of Louvain
CARNet
Belnet
RIPE NCC
Uninett

Belgium
Croatia
Belgium
The Netherlands
Norway

* indicates CEC Reviewer