

# TF-mobility metering & monitoring

Miroslav Milinović  
University Computing Centre - Srce  
<*miro@srce.hr*>

*TF-mobility meeting  
Utrecht, December 2008*

# Why?

## ❖ metering:

- ◆ to predict the load → plan upgrades/development
- ◆ to detect anomalies
- ◆ understand user's behaviour → improve user's experience
- ◆ security reasons (auditing)

## ❖ monitoring:

- ◆ servers, infrastructure, user's experience
- ◆ to provide the health status (“weather maps”) of the server/infrastructure/service
- ◆ to provide input to diagnostic tools

# The Task

## ❖ metering:

- ◆ identify elements
- ◆ standardise logs
- ◆ provide reporting tools / reports

## ❖ monitoring

- ◆ identify elements
- ◆ functional testing is a challenge (and fun 😊)
- ◆ agree on monitoring practice & tools
- ◆ provide information

# Metering – eduroam example

year	2008												
month	May												
auth_result	OK												
Sum of numb	incountry												
userfrom		<b>BE</b>	<b>CZ</b>	<b>DE</b>	<b>DK</b>	<b>ES</b>	<b>IS</b>	<b>LT</b>	<b>MT</b>	<b>SI</b>	Grand Total		
at		7	5	8			4						24
au		7											7
ch		18		6									24
cz		91		182	376	2				3			654
de		18			12					10			40
dk		39											39
ee		11											11
es		89	5350	173	16					12			5640
fi		57											57
fr		15		13									28
gr		9											9
hr		117								2			119
hu		2											2
ie		21											21
it		19								5			24
jp		2											2
lt		5											5
lu		39		24							6		69
nl		33		23	34								90
no		77			45								122
pl		83		6	27	4							120
pt		62	182	161	273	36		1		3			718
se		4		1	20								25
si		69	7	20						1			97
sk			145										145
uk				7		15							22
Grand Total		894	5689	624	803	57	4	1	1	41			8114

# Monitoring – eduroam example

## ❖ [monitor.eduroam.org](http://monitor.eduroam.org)

- ☑ monitoring servers
- ☑ monitoring infrastructure
- ◆ testing on demand to be finalised (access via web)
- ◆ RadSec monitoring – to be established
- ◆ IPv6 – to be established

