

# First European perfSONAR User Workshop - Summary

Ivana Golub, PSNC

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Jisc, London



## General conclusion

- The workshop was very useful
- It should be repeated
- Suggestions for improvements are gathered and will be processed



**Recommendations  
for future  
perfSONAR development**

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## Recommendations - Day 1

- **Mesh activation process** should be improved
- Better **documentation on the installation** - more quicksheets
- Better **interpretation of error messages**
- More information on how any of the **reported events in logs** impacts the installation
- Documentation on how to configure parameters for individual tests
- Have MaDDash react more quickly to changes in past measurements
- **Different threshold per host** in MaDDash
- New **alerting** mechanism for MaDDash: open OTRS ticket

## Recommendations - Day 1 (2)

- **Throughput visualisation** option: don't draw lines, but only plot dots
- Make **TWAMP** a 1st class citizen in the perfSONAR ecosystem (dashboard, graphs, toolkit)
- Seek the input from **NOC engineers**
- **Minimize the** efforts for **monitoring of perfSONAR** itself
- For better understanding, measurement tuning and thus better and more relevant results, **combine perfSONAR lab and field testing**

## Recommendations - Day 2

- perfSONAR for **SLA verification and reporting**
- perfSONAR support for **L2 measurement** protocols (i.e. CFM)
- Measurements results **visualisation** can be improved
- Provide **jitter measurement visualisation**
- Integration with **other time series databases**, not only Elasticsearch
- Make it **flexible/open** enough for **different tools**

## Recommendations – Day 2

### Visualisation, On-demand measurements, Vendor integration

- **Gather use-cases** in order to be able to examine and feedback the visualisation for on-demand measurements and measurement data results visualisation
- Organise **infoshares** to present it and ask for the feedback
- Offer the tool for **beta testing** and ask for feedback
- Offer the **PoC tool for alpha/beta testing** and ask for feedback
- Support perfSONAR on **BSD**





## The Organisation Team

- Tim Chown, Jisc
- Antoine Delvaux, PSNC
- Ivana Golub, PSNC
- Szymon Trocha, PSNC
- Pavle Vuletić, UoB/AMRES



# All participants

Attending in person

and

remotely

## All presenters

Ralph Niederberger, Research Center Jülich  
Ignacio Peluaga, CERN  
Sergei Kozlov, UIIP/BASNET  
Robert Stoy, DFN  
Craig Volp, GÉANT  
Duncan Rand, Imperial College London

Andy Lake, ESnet  
Scott Chevalier, IN@IU  
Mark Feit, Internet2  
Ed Colone, U. Michigan

Zurab Bukhnikashvili, GRENA  
Victor Olifer, Jisc  
Erik Reid, GÉANT

Pavle Vuletić, UoB/AMRES  
Szymon Trocha, PSNC  
Antoine Delvaux, PSNC  
Ivana Golub, PSNC



For hosting the venue

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Hope to see you soon...



## At the TNC19: Sun - Tue



### Sunday, 16 June

- 09:00-12:30: "GÉANT PMP Service Training" <https://eventr.geant.org/events/3094>

### Monday, 17 June

- 14:00 - 15:30: Lightning Talk: "Five Things you didn't Know about perfSONAR"
- 15:30 - 16:00: PMP demo @ GÉANT booth <https://tnc19.geant.org/geant-booth-demos>

### Tuesday, 18 June

- 13:00 - 13:30: meet the perfSONAR experts @ GEANT booth <https://tnc19.geant.org/geant-booth-meet-the-experts/>
- 16:00-17:30: "What's going on in the next GÉANT project?"

## At the TNC19: Wed - Thus



### Wednesday, 19 June

- 14:00 - 15:30: "Building Performance Measurement Platform - Lessons learned from operations" during Network Automation and Monitoring session

### Thursday, 20 June

- 09:00-12:30: "Orchestration, Automation and Virtualisation (OAV) BoF, <https://eventr.geant.org/events/3148>
- 15:30 - 16:00: PMP demo @ GÉANT booth, <https://tnc19.geant.org/geant-booth-demos>
- 14:00-17:30: P4 Programming BoF, <https://eventr.geant.org/events/3132>
- WiFiMon Roadmap Discussion <https://eventr.geant.org/events/3095>



## At the TNC19: Sun - Thu



- Participate in our **WiFiMon deployment trial**
- Visit our **GN4-3 WiFiMon - Crowdsourced Performance Measurements Poster**

## At SIG-PMV

- Special interest group for knowledge exchange and collaboration in the area of performance monitoring and verification
- Next meeting - Dublin, 2-3 July 2019, hosted by HEANet
- Call for presentations to be sent soon
- Topics including but not limited to:
  - performance – monitoring, troubleshooting, ensuring
  - DTN, telemetry, wifi monitoring, high speed monitoring, flow analysis...
  - tools, functionalities, work flows, procedures for performance verifications and best practises
- <https://eventr.geant.org/events/3131>

**And future perfSONAR events 😊**

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# Thank you

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[igolub@man.poznan.pl](mailto:igolub@man.poznan.pl)