

# **MARNet involvement in the GN4 Phase 1 Campus Best Practice**

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# Introduction

- “Campus Best Practice is a part of the GÉANT project funded by the European Union. Campus Best Practice (CBP) aims to address key challenges for European campus networks. The CBP Team does this by organising working groups and providing an evolving and to-the-point set of best practice documents (BPDs) for the community.”
- “Campus Best Practice is a collaborative effort between nine NRENs across the GÉANT community as well as experts from across the organisation. The aim is to help share information throughout GÉANT to help NRENs and campuses meet the challenges of technology, security and management of the latest hardware, software and services.”

# Task Micro-site



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Campus Best Practice

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<http://services.geant.net/cbp/Pages/Home.aspx>

# MARnet involvement

- MARnet has been involved in the Campus Best Practice task since the start of GN3+ in 2013
- In GN4 Phase 1, MARnet continued to work in this task among 15 other NRENs:
  - AMRES (Serbia), ASNET-AM (Armenia), BASNET (Belarus), BREN (Bulgaria), CESNET (Czech Republic), FCT-FCCN (Portugal), GRENA (Georgia), HITSA (Estonia), MREN (Montenegro), NIIF (Hungary), NORDUnet (UNINETT and CSC/Funet), RENAM (Moldova), RENATER (France), URAN (Ukraine)

# Persons and Organization

- Main task personnel
  - Anastas Mishev
  - Vangel Ajanovski
- Local working groups included also
  - Boro Jakimovski
  - Vladislav Bidikov
  - Vasko Sazdovski

# Global and local organizational wikis

- All the global task activities were coordinated via an internal wiki site and mailing list
  - Coordination of the processes of writing BPDs and translation
  - Meeting info, agendas and minutes
  - Monthly, mid-term and final reports
  - Information on organized events, etc.
- Using this as an example, we established a local organization web-site at the following location in 2013 and kept it regularly updated. Some of the BPDs are even written at this web-site, using the underlying wiki services
  - The features are similar to the global task wiki
    - Document repository + status of documents
    - Explained work processes and revisions
    - Status reports, monthly reports
  - Software is Trac an open-source project
  - <http://develop.finki.ukim.mk/projects/campusbestpractice>

# Coordination Meetings and Events

- Organizational meetings
  - Task kick-off meeting in Prague – May, 2015
    - Participant: Vangel Ajanovski
  - Regular monthly task meetings via video conference link – beginning of each month
    - Participant: Vangel Ajanovski
  - GEANT Symposium in Vienna – March, 2016
    - Participant: Vangel Ajanovski via video conference link
- Training events
  - Workshop on Campus Networking in Plovdiv – October, 2015
    - Participant: Vasko Sazdovski
  - Campus Network Monitoring and Security workshop in Prague – April, 2016
    - Participants: Vladislav Bidikov and Vlatko Jakimov
- National and Dissemination
  - MARnet Campus Best Practice Workshop 2016 – May 2016

# Best Practice Documents

- Continued work on one BPD planned for GN3+
  - MA-BPD-4 “Cloud implementation using OpenNebula”
- Rework of 2 new BPDs based on the split from an older BPD produced during GN3+
  - MA-BPD-5 “Monitoring activities at campus computer labs”
  - MA-BPD-6 “Profile and role-based firewall control for campus classrooms labs”
- New BPD
  - MA-BPD-7 “Automated workstation deployment”



# Local process and general organization

- Local Document statuses:
  - PROPOSED, AGREED, STARTED, COMPLETED, INSPECTED, REVISIONS  
FINAL, TECHNICAL, APPROVED, PUBLISHED
- Local Document processes are organized in the following way:
  - WriterTeam initially start writing the document under a page titled DocumentMAnnn, that is linked-from and backlinks-to the page MA-BPD-nnn, and they set the status STARTED
    - The Template for starting the text of the document is at the wiki page DocumentTemplate
  - QualityTeam starts when the WriterTeam changes the document Status to COMPLETED.
    - If they approve the document, they change the status to INSPECTED.
    - If they have issues, they will create tickets for the issues and change the status to REVISIONS
  - The EditorTeam proofs the final version of the document when it is in status INSPECTED, and after it is done, they change the status to FINAL.
    - In case of need of changes, revert the status back to REVISIONS.
  - After FINAL, the document is sent further to the Campus Best Practice task management, for preparing for publication indicating status TECHNICAL
    - If there are any further revisions, the status can be reverted to REVISIONS
    - When technical is done and all revision are approved the status is changed to APPROVED
    - When published at the CBP website, the final document is also copied here and status is PUBLISHED

# Final Project Report

- The CBP task annual report has been finalised and published.
  - The document is available from the GÉANT project deliverables area:  
[http://www.geant.org/Projects/GEANT\\_Project\\_GN4/Pages/Deliverables.aspx](http://www.geant.org/Projects/GEANT_Project_GN4/Pages/Deliverables.aspx)
  - The direct link to the document is:  
[http://www.geant.org/Projects/GEANT\\_Project\\_GN4-1/Documents/D3-2\\_Annual-report-on-campus-best-practice.pdf](http://www.geant.org/Projects/GEANT_Project_GN4-1/Documents/D3-2_Annual-report-on-campus-best-practice.pdf)

Questions?