



6th TF-Media meeting
Thursday-Friday, February 16-17, 2012
Dubrovnik, Croatia

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Minutes

1. Welcome

The sixth TERENA media task force (TF-Media) meeting – the first meeting under the new terms – was held on 16-17 February, 2012, hosted by CARNet in Dubrovnik, Croatia. The meeting was organised back to back with the GÉANT eduCONF Training. It was attended by 16 people in person and other 7 people followed the on-line streaming (see the list of participants enclosed). TERENA secretary was Peter Szegedi.

The TF-Media task force meeting presentations and AV recordings are available on the TERENA website: <http://www.terena.org/activities/media/meeting6/programme.html>

Andy Zbinden (SWITCH), the chairman of the task force, welcomed the meeting participants, talked about the new terms of reference and presented the meeting agenda. He said that the focus of the task force has been shifted “from how to build the machinery to how to use the machinery”. <http://www.terena.org/activities/media/meeting6/slides/120216-welcome.pdf>

2. Presentations and discussion

A) Eli Shmueli (IUCC - Inter University Communication Center) talked about the e-learning aspects of MAOR (Meta-Data and Object Repository).

MAOR’s objectives are to enable lecturers, teachers and students’ easier access and search of

relevant Learning Objects (LO); encouraging the remixing, use and reuse of digital learning objects; promoting peer review as well as colleague and user comments; promoting lifelong learning, Anytime Anywhere, and Openness. MAOR took a practical 3-step approach to begin. Step 1 was to define the metadata standard (ISRACore), Step 2 was to develop the MAOR platform and establish partnership with MERLOT (Multimedia Educational Resource for Learning and Online Teaching), and Step 3 was to introduce MAOR to the community.
<http://www.terena.org/activities/media/meeting6/slides/120216-maor.pdf>

Eli said that the role of the NREN in Israel is to bring the LO information (not the object) at a higher level. Creative Commons helps to share the content. The question to TF-Media is if we can bring the national/institutional repositories (their LO information) at an even higher (i.e. pan-European) level taking a similar approach to GLOBE (Global Learning Objects Brokering Exchange, <http://www.globe-info.org/>). Discussions about best practices, technology, lecture recording, etc. can continue but we have to start thinking on how to use and re-use the content. We should make a case and show how content re-use eventually saves public money in Higher Education. It is a challenge to step over that first barrier.

Andy (SWITCH) commented that in Switzerland they have difficulties to convince teachers to share lectures. Eli answered that one approach could be to convince them to share not the whole lectures but only a small chunk of them as a Learning Object. Those objects can then be re-used in other lectures and eventually can save time as well as enhance the teaching quality.

Antonio (ISEP) added that we should start thinking about common metadata standards. In MAOR there are the objects, metadata (automatically created), and paradata (comments collected after publishing). The object in the local repository is not going to change only gets more paradata. The metadata remains unchanged too, just access will be granted to the upper level repository, answered Eli.

Participants agreed to try and initiate a "TERENA Open Educational Resource Portal" pilot project. *More details are in Section 4.*

B) Jose Maria Fontanillo (RedIRIS) talked about repository federation.

Queries can be solved in two ways: locally and forwarding. If solved locally, a local copy of metadata or both metadata and content is needed. However, in principle, the heavy content must remain close to the end user. Visibility can be added to the content by search engines. The content from different repositories will have probably different semantic, objectives and types (learning objects, video, papers, etc.). If we aggregate content, it is not is easy to maintain a homogenous quality. We need tools inside our aggregator to promote content, build package with several contents, etc.

<http://www.terena.org/activities/media/meeting6/slides/120216-repo.pdf>

C) Vicente Goyanes (UVigo) gave a brief update on the Opencast Matterhorn Unconference held in Oxford, UK.

There was a significant commercial interest besides the usual developers and adopters. Meeting recordings are available on the opencast website. See Vicente's slides at <http://www.terena.org/activities/media/meeting6/slides/120216-oc.pdf>

Vicente also talked about the Campus do Mar pilot project in Northwest of Spain and North of Portugal. University of Vigo leads the project that puts Matterhorn under a real load. The pilot uses PuMuKIT for publisher, OC-Matterhorn for multi-stream engine, and GaliCASTER for dual-stream recorder. The main challenge is the CPU power that you need for recording in large scale. As you increase the number of recordings per class room you need more and more servers to post-produce the recordings.

<http://www.terena.org/activities/media/meeting6/slides/120216-digimar.pdf>

D) Otto Wittner (UNINETT) talked about search in video.

The UNINETT search pilot project aims at creating an advanced search portal for lecture recordings of HEI in Norway, as well as a general search portal for educational material applying educational-social information. UNINETT is going to provide a central lecture recording service starting from 2012. This will feed the search portal with content. Further update on the project will follow.

<http://www.terena.org/activities/media/meeting6/slides/120216-search.pdf>

3. TF-Media Recording Contest at TNC 2012

Vicente Goyanes (UVigo) has previously come up with the idea to try and organise a lecture recording contest, where participants can bring their own portable recording systems and demonstrate what and how they can do with it. The TF-Media meeting attendees found this idea great and had a little brainstorming about the potential implementation of the contest.

<http://www.terena.org/activities/media/meeting6/slides/120216-rcplan.pdf>

Peter (TERENA) suggested that the next coming TERENA Networking Conference (TNC) can be a good opportunity to hold such a contest because it has a wide audience from the NREN and HEI community and commercials can easily be convinced to attend the event. This time, TNC will be held in Reykjavik, Iceland and NORDUnet is responsible for the official media production of the event. *It is an action on Peter (TERENA) to contact Erik Kikkenborg (NORDUnet) and confirm the technical possibility of the contest at TNC.*

It was agreed to offer a standard interface and toolset to all participants of the contest. That includes:

- Space: about 2m3 with table and chair
- 3x220V outlet per stage (220V*16A) preferably in separate groups
- 1 VGA (D-SUB15 M)
- 1 RCA analogue video (PAL)
- 1 XLR analogue audio
- 1 RJ-45 cable (Ethernet)
- Slides in advance
- Press KIT

To be able to provide this interface to all, we need the video signal, audio signal, and VGA signal separate from the NORDUnet production workflow without interfering with that. The potential technical solutions have been discussed that need further clarifications with NORDUnet. See the digital notes at

<http://www.terena.org/activities/media/meeting6/slides/120216-rc.pdf>

The contest wouldn't be a real competition but rather a showcase. It will be open for the TERENA Community and commercials can participate based on invitation. The invitation of commercials is delegated to NRENs. The Call for Participation leaflet has been drafted as follows:

**TERENA Networking Conference 2012
TF-Media Recording Contest**

TERENA Task Force on Applied Media in Teaching and Learning (TF-Media) organises a Recording Contest at the TERENA Networking Conference (TNC) 2012 in Reykjavik, Iceland.

The aim of this open contest is to bring and showcase the capabilities and features of your portable streaming/recording system. Participants expected to set up their own system complying with the requirements below, stream/record a conference session¹, optionally do some video enhancement¹, and finally publish the result at a public URL.

What you get (participants must comply with these):

- Content: 1.5 hour long conference session at TNCⁱ
- Presentations and the TERENA press kit can be downloaded in advance
- Time: for set up and tear down
- Space: 2m3, table, chair
- Power: 3x220Vx16A outlet per stage (preferable in separate groups)
- Network: 1 RJ-45 Ethernet
- Presentation signal: 1 VGA (D-SUB15 M)
- Video signal: 1 RCA Analogue PAL
- Audio signal: 1 XLR Analogue (mono)



What you are expected to deliver:

1. For the subscription: provide a one-page summary describing your system and workflow (you might include the size, weight and estimated price of your solution, as well as its features such as formats used, metadata types, time to URL, etc) in advance.
2. At the venue: set up your portable system, do the streaming/recording, and tear down your system.
3. After the session: do the enhancementⁱⁱ of your recording and publish the result at your public URL.

The evaluation criteria and process:

Please note that the recording contest is more like a showcase of your solution rather than a real competition. TNC participants may look at your URL and vote on the look-and-feel of your results. TF-Media participants are going to take a closer look of your solution and results.

How to participate:

The call is open to NRENs, universities and commercials. The maximum number of participants is limited to 8. TF-Media task force leaders have the rights to decide on the final list of participants. Registration to TNC is required starting from 100 Euro per person.

Please, send your proposal (one page summary including the final URL) to Peter Szegedi (TF-Media secretary) by 13 April 2012.

¹ Lightning Session at TNC will be performed on Monday, 21 May 2012 at 16:00-17:30. During the 1.5 hour session about 15 speakers will perform, each will have 5 minutes to talk, some of them will present slides, some of them will just talk. The planned programme of the session is available at <https://tnc2012.terena.org/core/session/7>

¹ Video enhancement might be: video editing, adding metadata, publishing aids, transcoding, establishing rights of use, branding, watermarking, etc.

4. Plan for a TERENA OER portal pilot project

The presentations and discussion about metadata and object repositories led to the idea of a centralised educational resource repository provided by TERENA to its community. The TERENA Open Educational Resource (OER) Portal would be a metadata repository that collects the information of LOs made available by NRENs and the broader TERENA Community members and share them between institutions. The meeting participants agreed to make a case for TERENA OER pilot project and discuss it with TF-Media and TERENA.

The primary aim of the pilot would be to create a one-stop-shop (broker) for national learning resource providers (NRENs and others), each of them managing and/or federating one or more learning object repositories within the country. TERENA can make a suite of online services and tools available to its members for the exchange of learning resources, and facilitates the access to the worldwide Open Community (i.e. GLOBE).

The expected benefits are as follows:

- More effective and motivating learning scenarios (learners & trainees).
- Better productivity and new philosophy of collaboration (authors of pedagogical material).
- Better communication and co-working schemes (researchers).
- Possible factor for harmonizing education & training policies throughout Europe.
- Spare public money by re-using open learning resources.
- Provide deep search of content that is better than Google and the likes.

The following organisations expressed their interest participating in the pilot: SWITCH, FCCN, RedIRIS, IUCC, ISEP, and University of Vigo. *Peter (TERENA) has been asked to draft a pilot project description and circulate that among the interested participants for further discussion.*

5. Date of next meeting and close

We are looking forward to the Recording Contest at TNC 2012 with a potential follow up virtual task force meeting in June and a face to face meeting after the summer holiday season.

At the end of the day, Andy and Peter thanked the participants for the fruitful discussions. The task force meeting was closed on time.

Action list

| Reference | Who | Action | Deadline |
|------------------------|------------------------|---|-----------|
| Action - TSec(12)012-1 | Peter Szegedi (TERENA) | Contact NORDUnet and negotiate the technical details of a TF-Media Recording Contest at TNC 2012. | ASAP |
| Action – | Peter Szegedi | Draft a TERENA OER pilot project plan | Mid March |

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| Tsec(12)012-2 | (TERENA) | and circulate among the interested participants for further discussion. | 2012 |
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List of meeting participants

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| Matjaž Batič Finžgar | ARNES |
| Adam Majoros | NIIF Institute |
| Andy Zbinden | SWITCH |
| Antonio Vieira de Castro | ISEP |
| Bartłomiej Idzikowski | PSNC |
| Damir Regvart | CARNet |
| Daniel Frankovic | CARNet |
| Eli Shmueli | IUCC- Israeli-Inter University Communication Center |
| Jan Růžička | CESNET |
| Jose Maria Fontanillo | RedIRIS |
| Luka Mlinaric | CARNet |
| Maciej Glowiak | PSNC |
| Maciej Strozyk | PSNC |
| Mihály Mészáros | NIIF Institute |
| Peter Szegedi | TERENA |
| Rui Ribeiro | FCCN |
| Szabolcs Szabó | NIIF Institute |
| <i>Vicente Goyanes*</i> | <i>University of Vigo / Campus do Mar</i> |
| <i>Kathrin Braungardt*</i> | <i>Ruhr University</i> |
| <i>Maciej Brzezniak*</i> | <i>PSNC</i> |
| <i>Markus Schneider*</i> | <i>SUNET</i> |
| <i>Otto J Wittner*</i> | <i>UNINETT</i> |
| <i>Samuel Martins*</i> | <i>UP</i> |
| <i>Zenon Mousmoulas*</i> | <i>GRNET</i> |

* on-line participant