



TF-NETCAST and other streaming media activities in Europe

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What's happening in Europe?

— We don't know everything!

— But we're trying to find out...

...and we do know some things:

- There are many local and national activities
- We face common problems and barriers
- There is an interest in collaboration

This is why we formed the **Academic Netcasting Working Group** whose present activity is **TF-NETCAST**.

Examples of national initiatives

- Live streaming services
 - practically everyone does that
- Announcement portals / media guides
 - UNINETT [Electronic Streaming Guide](#)
 - CESNET [CESNET Multimedia](#)
- Video-on-Demand services
 - FUNET [FUNET TV](#)
 - SURFnet [SURFnet Video Portal](#)
 - ICM [Academic Internet Television Network](#)
 - Forskningsnett [Edu-Media portal](#)
- Content delivery networks
 - JANET [Content Delivery Infrastructure Pilot](#)

Short demonstrations

UNINETT Electronic Streaming Guide is a web based tool for browsing and searching Mbone sessions. SAP announcements are cached, cleaned, and stored in a database. Also supports manual entry of announcements.

CESNET Multimedia is a web based system for announcing live netcasts. Currently manual entry is required, but SAP and mail submissions are under development. The portal is multilingual and supports multiple time zones, and users can filter streams to highlight those in their own language.

SURFnet Video Portal is a system for storing, managing, searching, and streaming video on demand. Users upload and enter metadata using a web based interface, and can even edit material on-line. It currently supports MPEG-1,2 and 4.

Whence TF-NETCAST?

A clear heritage from TF-STREAM which ended in Summer 2001.

BoF session at NORUnet Networking Conference in Copenhagen in April 2002, to discuss a European collaboration on streaming.

The group continues discussions and gives itself the name **Academic Netcasting Working Group**.

TF-NETCAST is formed at meeting in Amsterdam in February 2003

TF-NETCAST is officially approved by TERENA Technical Council March 14 2003

TF-NETCAST currently has participation from the Czech Republic, Denmark, Finland, Greece, Italy, the Netherlands, Norway, Poland, Spain, Switzerland, and the United Kingdom.

... and we welcome further participation!

TERENA and the technical programme

Trans-European Research and Education Networking Association.

... to promote and participate in the development of a high quality international information and telecommunications infrastructure for the benefit of research and education.
(TERENA Statutes).

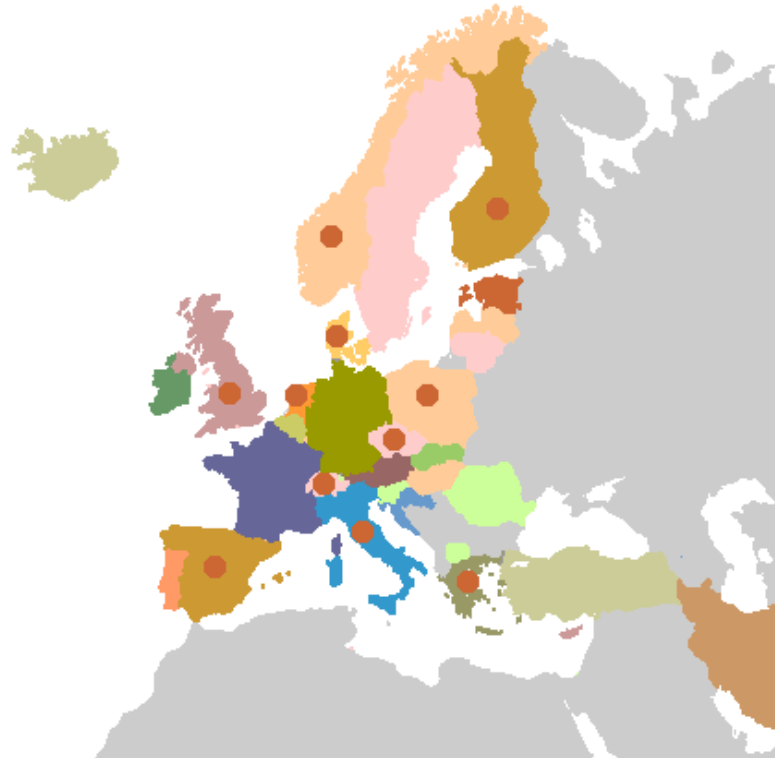
The Technical Programme focuses on Special Interest Areas defined by the TERENA membership. Current special interests are:

- Lower Layers
- Security
- Middleware
- Video Conferencing and Streaming of Media
- Information Content, Indexing and Discovery

TERENA members



TF-NETCAST members



The aims of TF-NETCAST

- A To conduct a survey of the state of national efforts in producing and delivering streaming-media content in academia in European countries, and of the (users') needs for an international effort in this area
- B To create an announcements portal, by developing metadata, portal software, policies etc. into a working prototype of an announcements portal
- C To promote the production of high-quality content
- D To study the feasibility of a project for setting up a live-streaming infrastructure
- E To develop a common metadata model and to study the feasibility of setting up a video-on-demand portal
- F To propose a model for an academic netcasting channel

TF-NETCAST deliverables

- A Project schedule
- B Report on survey
- C Metadata model
- D Prototype of announcements portal
- E Information about resources for content production
- F Report on live-streaming infrastructure
- G Report on video-on-demand metadata and portal
- H Report on model for an academic netcasting channel
- I Final report

The end

Interested in participating? Contact me!

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For further information, please see the TF-NETCAST home page:
<http://www.terena.nl/tech/task-forces/tf-netcast/>.

Questions?