



OPENDRAMA



What's OpenDrama?

“The Digital Heritage of Opera in the Open Network Environment”

Definition, development and integration of a novel platform to author and to deliver rich cross-media digital objects of lyric opera and other vocal dramatic music.



Objectives for final users

A new generation off-line or on-line product/service for learning and entertainment:

- High-quality adaptive musical streaming.
- Selective access to parts, voices and visual elements.
- Retrieval interface for access by contents.
- Access to background and context information.
- New e-commerce possibilities.
- Advanced visualisation environment: libretto, score, dramatic structures, karaoke, virtual staging, video streams within a rich community service.



Objectives for professional users

- Integrated tool set for authoring.
- Delivering more comprehensive and interactive on-line and off-line musical products/services with more information content.
- Workflow model for archiving legacy materials.
- Musical institutions:
 - Extend life cycle of productions.
 - Hosting of musical and audiovisual information.



Participant list

- Space S.p.A. (IT)
- Teatro del Maggio Musicale Fiorentino – Fondazione (IT)
- Opera North (UK)
- Ministero per i Beni e le Attività Culturali – Discoteca de Stato (Italy)
- Dynamic S.r.l. (IT)
- Politecnico di Milano (IT)
- University of Glasgow (UK)
- Universitat Pompeu Fabra (ES)
- Europe Online Networks S.A. (L)
- System Simulation Ltd. (UK)



Innovation

- Definition and encoding of compound media objects with MPEG-7.
- Digital object repositories (opera metadata and terminology).
- Search & retrieval musical archives.
- IPR management.
- Production workflow environment.
- Digital media streaming services.
- Visual representation of a virtual stage.
- Contextual visualization of libretto & score.
- Interactive karaoke.
- “Opera Memory Palace” community service.



MTG tasks

- Requirements for media storage, security and retrieval: MPEG-7 descriptors specification.
- Digital Object Storage:
 - MPEG-7 editor.
 - Automatic extraction of descriptors.
- Implementation of Karaoke integrating MTG classes.