

Iggy Pop: The Passenger + track length 359 seconds + duration

SEND >>

Iggy Pop

The Passenger

starting point 323.2 seconds

segment length 5.8 seconds



Roadmap for Music Information ReSearch

FP7-ICT-2011-7

Coordination and support action

Project number: 287711

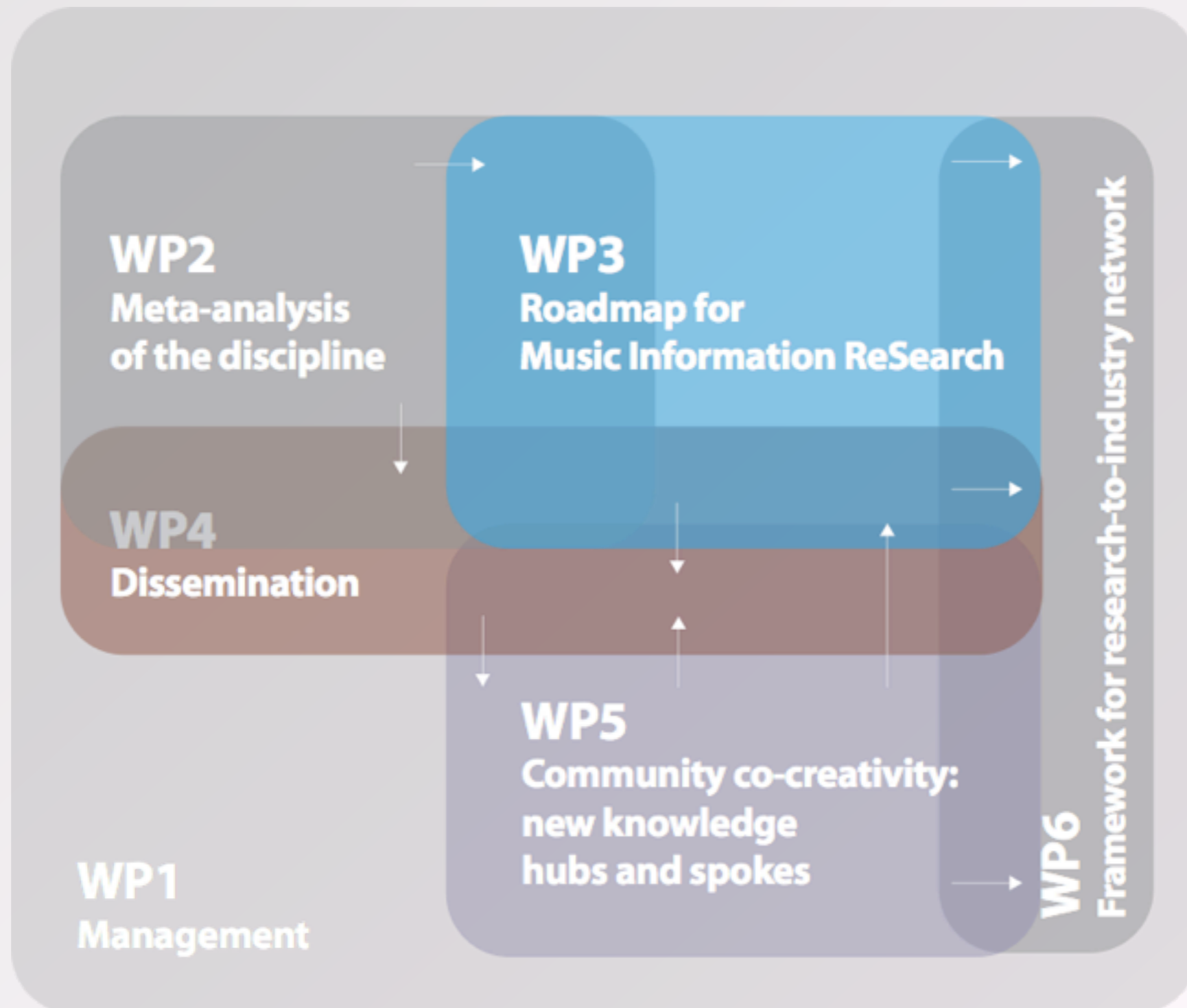
Partners

- ▶ Universitat Pompeu Fabra - Music Technology Group, Barcelona, Spain (admin/financial coordinator)
- ▶ Stromatolite Design Lab, London, UK (scientific coordinator)
- ▶ OFAI, Austrian Research Institute for Artificial Intelligence, Vienna, Austria
- ▶ INESC, Instituto de Engenharia de Sistemas e Computadores, Porto, Portugal
- ▶ IRCAM, Institut de Recherche et Coordination Acoustique/Musique, Paris, France
- ▶ Centre for Digital Music, Queen Mary, University of London, UK
- ▶ BMAT, Barcelona Music and Audio Technology, Barcelona, Spain

MIRÉS

The field of Music Information Retrieval (MIR) has centered primarily on the analysis of sound signal for the purpose of more efficient search and faster access to digital collections of recorded music. By expanding its context and addressing challenges such as multimodal information, multiculturalism and multidisciplinary, MIR has the potential for a major impact on the future economy, the arts and education, not merely through applications of technical components, but also by evolving to address questions of fundamental human understanding, with a view to building a digital economy founded on "uncopiable intangibles": personalisation, interpretation, embodiment, findability and community. Within this wider context we propose to refer to the field of MIR as Music Information ReSearch (MIRÉS) and thus widen its scope, ensuring its focus is centered on quality of experience with greater relevance to human networks and communities.

WP structure and interdependencies



Three MReS perspectives

▶ technical-scientific

research aimed at processing music-related digital data with the goal to develop music applications

▶ socio-cultural

research aimed at providing music data and technology to enhance social interactions, cultural exchange and behavioural patterns

▶ exploitation

research aimed at providing music technology that permits music industry stakeholders, artists and listeners to easily and intuitively discover, organise, transform, interact with, and enjoy music in novel ways

Technical-scientific perspective

- ▶ musically relevant data
- ▶ music representations
- ▶ data processing methodologies
- ▶ knowledge-driven methodologies
- ▶ music content analysis
- ▶ interface and interaction aspects
- ▶ evaluation of research results

Technical-scientific MIReS events: core community

- ▶ Porto October 8-12, ISMIR, MIRRORS session

Thursday October 11, 2012
9:30 AM - 10:50 AM **Oral Session 7: MIRRORS Session (check also open call for papers in [JIIS special issue](#))**

[Automatic Music Transcription: Breaking the Glass Ceiling](#)
Emmanouil Benetos, Simon Dixon, Dimitrios Giannoulis, Holger Kirchhoff, Anssi Klapuri
Queen Mary University of London

[Putting the User in the Center of Music Information Retrieval](#)
Markus Schedl¹ and Arthur Flexer²
¹Johannes Kepler University, ²Austrian Research Institute for Artificial Intelligence

[The Impact \(or Non-impact\) of User Studies in Music Information Retrieval](#)
Jin Ha Lee¹ and Sally Jo Cunningham²
¹Information School, University of Washington, ²Department of Computer Science, University of Waikato

[Mel Cepstrum & Ann Ova: The Difficult Dialog Between MIR and Music Cognition](#)
Jean-Julien Aucouturier and Emmanuel Bigand
LEAD Lab, University of Burgundy, Dijon

[Moving Beyond Feature Design: Deep Architectures and Automatic Feature Learning in Music Informatics](#)
Eric J. Humphrey, Juan P. Bello, Yann LeCun
NYU

[Reuse, Remix, Repeat: the Workflows of MIR](#)
Kevin Page¹, Ben Fields², David De Roure¹, Tim Crawford³, J. Stephen Downie⁴
¹University of Oxford, ²Musicmetric (Semetric Ltd.), ³Goldsmiths University of London, ⁴University of Illinois

Technical-scientific MReS events: core community

- ▶ Porto October 8-12, ISMIR, panel session (<http://ismir2012.ismir.net/>)

Monday 8/10	Tuesday 9/10	Wednesday 10/10	Thursday 11/10	Friday 12/10
9:00 → 9:50 Registration	8:40 → 9:30 Registration	9:00 → 9:30 Registration	9:00 → 9:30 Registration	9:00 → 9:30 Registration
10:00 → 13:00 Tutorial 1: Leveraging Repetition to Parse the Auditory Scene Tutorial 2: Music Affect Recognition: The State-of-the-art and Lessons Learned	9:30 → 10:50 Paper Session 051: Musical Cultures 10:50 → 11:20 Poster Craze	9:30 → 10:50 Paper Session 054: Melody & Pitch 10:50 → 11:20 Poster Craze	9:30 → 10:50 Paper Session 057: MiRRors 10:50 → 11:20 Poster Craze	9:30 → 10:50 Paper Session 059: Singing Voice 11:00 → 12:50 Panel Session on Evaluation initiatives in MIR
13:00 → 14:00 Lunch	13:00 → 14:00 Lunch	13:00 → 14:00 Lunch	13:00 → 14:00 Lunch	13:00 → 14:00 Lunch
14:30 → 17:30 Tutorial 3: Reusable software and reproducibility in music informatics research Tutorial 4: Why Jazz is Interesting?	14:30 → 15:50 Paper Session 052: Rhythm & Beat 15:50 → 16:30 Posters 1	14:30 → 15:50 Paper Session 055: Playlists/Tags/Lyrics 15:50 → 16:30 Posters 2	14:30 → 15:50 Paper Session 058: Audio Classification 15:50 → 16:30 Posters 3	15:00 → 18:00 Demos and Late-breaking News
18:00 → 19:00 Registration	16:30 → 17:10 Paper Session 053: Similarity 17:20 → 18:20 Keynote 1 by José C. Principe	16:30 → 17:10 Paper Session 056: User Studies 17:20 → 18:20 Keynote 2 by Maarten de Rijke	16:30 → 17:10 Paper Session 059: Scores & OMR 17:20 → 18:20 Keynote 3 by Emmanuel Bigand	
18:00 → 19:30 Reception Port Wine taste			18:50 Bus to Banquet 19:30 Port Wine Cellar visit & Banquet	
20:00 → 21:00 Concert 1 (curators)	22:00 → 23:00 Concert 2	22:00 → 23:00 Concert 3		22:00 OFF-ISMIR Concert

Socio-cultural perspective

- ▶ social aspects
- ▶ culture specificity
- ▶ user behaviour

Socio-cultural MIReS events: multiculturalism

- ▶ Delhi, KIIT, 20-22 January 2012: MIReS CompMusic and Multiculturalism workshop, International Symposium Frontiers of Research on Speech and Music (<http://compmusic.upf.edu/>)



- ▶ Istanbul, 18-23 June 2012: General CompMusic workshop with invited researchers and musicologists organised by MIReS (<http://compmusic.upf.edu/>)



Socio-cultural MReS events: ethnomusicology

- ▶ Seville 20th April MReS multicultural panel as part of the FMA workshop (<http://congreso.us.es/infla3/en/>)



Socio-cultural MIReS events: music psychology

- ▶ London CMMR "Music and Emotions" 19-23 Jun, panel discussion organised by MIReS (<http://www.cmmr2012.eecs.qmul.ac.uk/>)



Exploitation perspective

- ▶ music industry applications
- ▶ artistic applications
- ▶ research and educational applications
- ▶ creative industries applications

Exploitation MReS events: performance

- ▶ Paris, MIR and Creation workshop, IRCAM, 2 June, organised by MReS (http://www.dailymotion.com/playlist/x24vot_Ircam-CGP_mir-and-creation/)



Exploitation MReS events:

- ▶ Barcelona, Sonar, Music Hack Day, organised by UPF-MTG and MReS, 14-16 Jun (www.sonar.es)



Exploitation MReS events: MIR and industry

- ▶ Barcelona, Sonar, Make, Play, Share: the future of music tech, organised by MReS, 14 June 2012 (<http://www.youtube.com/watch?v=-a-lvdzSbel>)



Exploitation MReS events:

- ▶ Porto October 8-12, ISMIR, concert programme (<http://ismir2012.ismir.net/>)



Exploitation MReS events: NoE research-to-industry

- ▶ London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MReS (<http://www.musictechfest.org/>, @MusicTechFest)



MUSIC TECH FEST THE FESTIVAL OF MUSIC IDEAS LONDON 17TH - 19TH MAY

REGISTER FOR FREE @ MUSICTECHFEST.ORG

WIRED lost.fm PRS for MUSIC [PIAS] MEDIA Spotify SHAZAM EMI WARP BBC

EUROPEAN UNION EUROPEAN REGIONAL DEVELOPMENT FUND SEVENTH FRAMEWORK PROGRAMME MIRÉS.CC DIGITAL PENINSULA DIGITAL ENTERPRISE GREENWICH STRAATROLSTE SOUNDCLLOUD Raven sbou me

Exploitation MIReS events: academic researchers

- ▶ London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (<http://www.musictechfest.org/>, @MusicTechFest)



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Exploitation MIReS events: industry innovators

- ▶ London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (<http://www.musictechfest.org/>, @MusicTechFest)



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Exploitation MIReS events: hackers

- ▶ London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (<http://www.musictechfest.org/>, @MusicTechFest)



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Exploitation MIReS events: artists

- ▶ London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (<http://www.musictechfest.org/>, @MusicTechFest)



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Exploitation MIReS events: NoE research-to-industry

- ▶ London, Music Tech Fest: Music Discovery and Creativity Workshops, Music Hack Camp and Trend-Spotting Industry Event, 17-19 May, co-organised by MIReS (<http://www.musictechfest.org/>, @MusicTechFest)

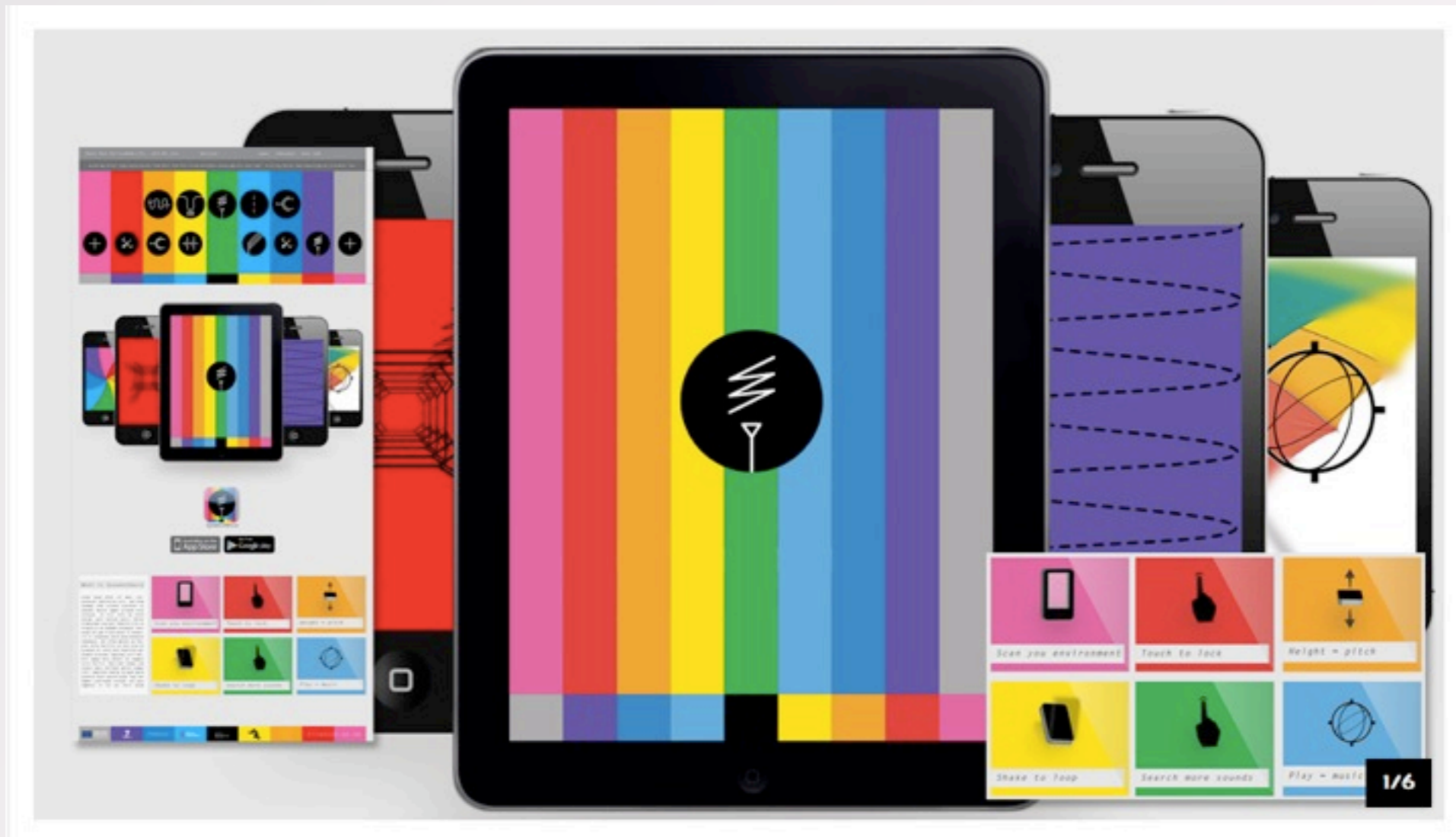
The Music Tech Fest gathered:

- ▶ 52 contributors
- ▶ 77 workshop participants
- ▶ 75 hackers
- ▶ 1,036 attendees
- ▶ over 10,000 users visited the website during May only
- ▶ the live streaming broadcast was seen by over 700 viewers from 40 countries
- ▶ the festival generated 830 minutes of video footage on each of the 3 cameras
- ▶ growing TED-style web community (<http://www.youtube.com/musictechfest/>)



Exploitation MReS events:

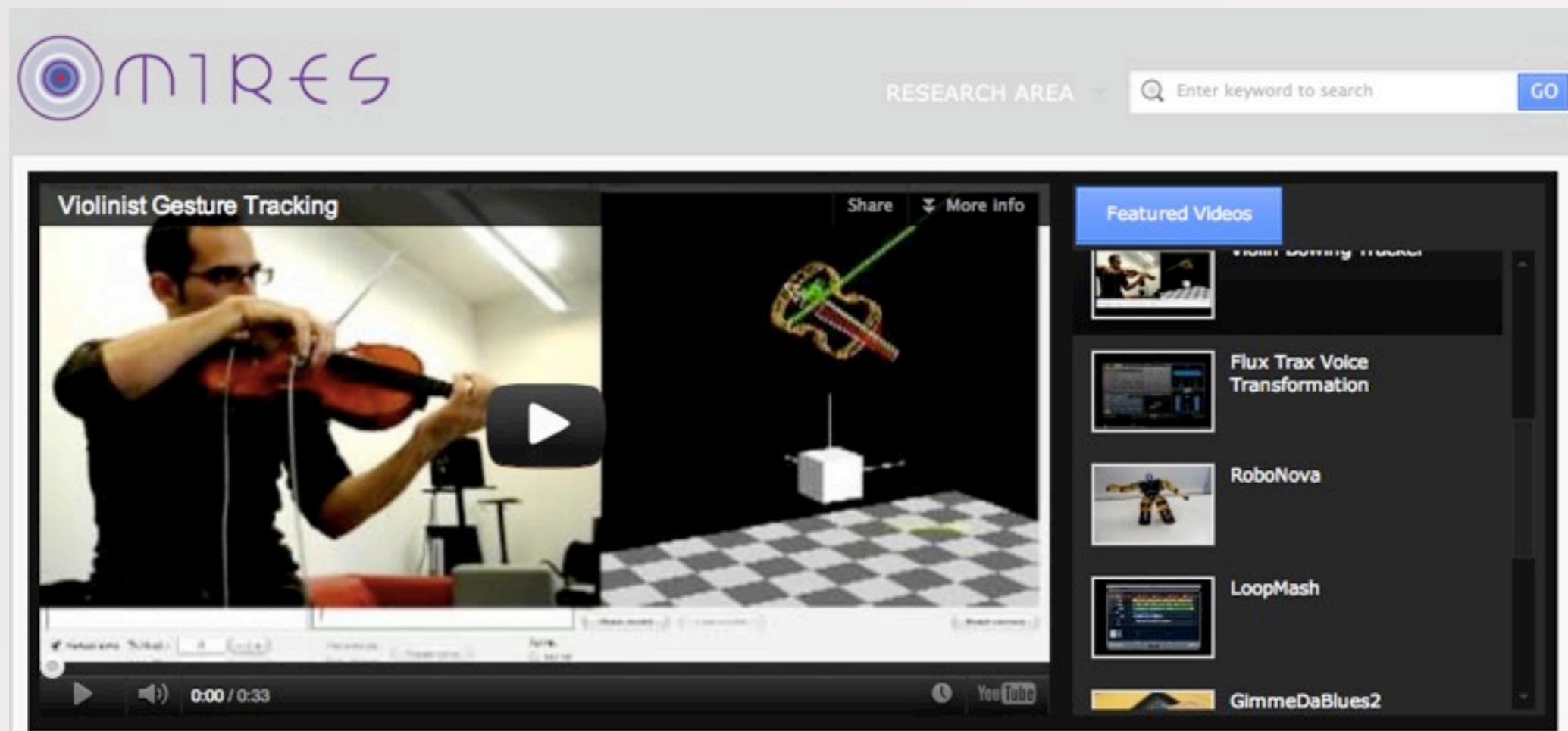
- ▶ Istanbul, October, MReS at the NEM Summit (<http://nem-summit.eu/>)



- ▶ Music Tech Fest Synaesthesia app <http://www.youtube.com/watch?v=GcOqtvshxw>

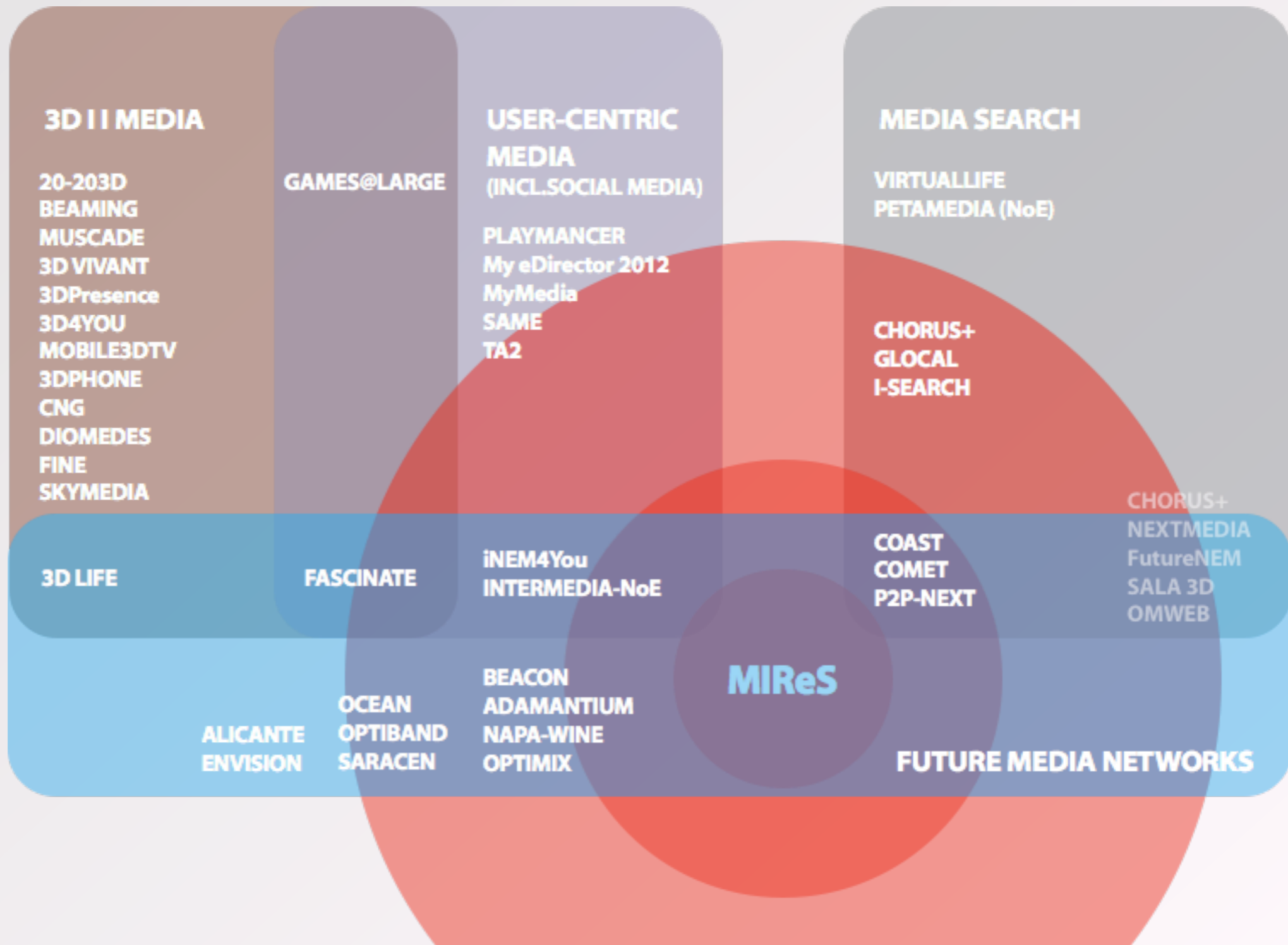
MIReS roadmap challenges

- ▶ http://mires.eecs.qmul.ac.uk/wiki/index.php/MIR_Challenges

A screenshot of the MIReS website. At the top left is the MIReS logo. To its right is a navigation menu with "RESEARCH AREA" and a search bar containing "Enter keyword to search" and a "GO" button. The main content area features a large video player titled "Violinist Gesture Tracking". The video shows a man playing a violin, with a 3D model of the violin and bow overlaid on a checkered floor. Below the video player is a "Featured Videos" sidebar with four items: "Violinist Gesture Tracking", "Flux Trax Voice Transformation", "RoboNova", and "LoopMash". At the bottom of the sidebar is "GimmeDaBlues2".

- ▶ <http://www.mires.cc/>
- ▶ @MIReS_roadmap

Community involvement





Thank you