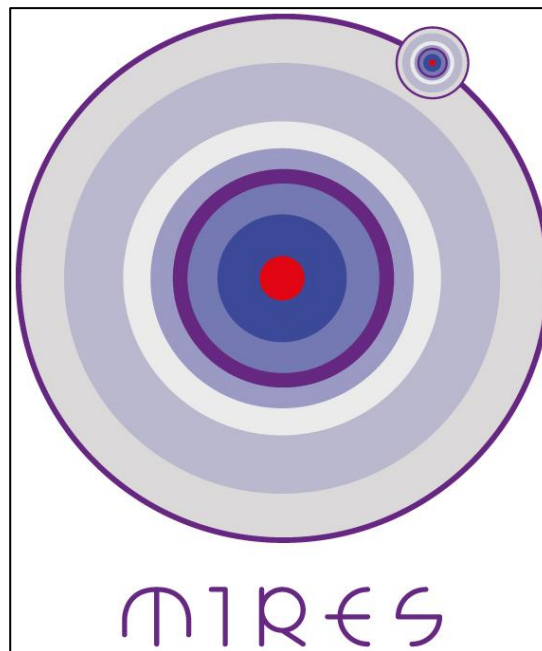


## D.1.1: Intermediary Report



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Author(s)	Michela Magas (STRO) and Alba B. Rosado (UPF-MTG)
EC Project Officer	Rossella Magli until M9 and then Rainer Typke
Abstract	Public report describing the intermediary achievement of the project. This report will be generated by STRO, with contribution by UPF-MTG as project coordinator and WP leaders.
Keywords	Summary, project goals, progress, project status, use of resources
Sent to peer reviewer	Yes (UPF-MTG)
Peer review completed	Yes
Circulated to partners	Uploaded to MIReS Wiki pages
Read by partners	Yes
Mgt. Board approval	Yes

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## 1 BACKGROUND

The Roadmap for Music Information ReSearch (MIREs) is a Coordination and Support Action funded by the 7th Framework Programme of the European Commission and coordinated by the Music Technology Group at Universitat Pompeu Fabra in Barcelona in collaboration with the London design research company Stomatolite LTD. The project was launched on the 1st of October 2011 and runs for 18 months. Partners include the Austrian Research Institute for Artificial Intelligence (OFAI) in Vienna, Institut de Recherche et Coordination Acoustique/Musique (IRCAM) at the Centre Pompidou in Paris, Institute for Systems and Computer Engineering of Porto (INESCP), Centre for Digital Music at Queen Mary University of London (QMUL) and Barcelona Music and Audio Technologies (BMAT).

## 2 INTRODUCTION

The MIReS project aims to create a research roadmap of the MIR field, 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 (MIReS) and thus widen its scope, ensuring its focus is centered on quality of experience with greater relevance to human networks and communities.

### 3 PROJECT OBJECTIVES

The field of Music Information Retrieval (MIR) has centered primarily on the analysis of sound for the purpose of more efficient search and faster access to digital collections of recorded music. The advent of web-mediated social networks has led to the evolution of music networks and numerous music-related communities. This has created a dynamic global market for digital music and collateral products and services with significant challenges and huge opportunities for exploitation. For Europe to leverage its position as a world leader in music creativity, production and mobile distribution, a programme of digital music search technology is needed in order to ensure coherent targeted support for innovation and underpin competitive strategies for maintaining European excellence. The roadmap for the future of MIR would include a framework for cooperation and co-creation across academic communities and a virtual centre of excellence for music-related and MIR-relevant studies. Within this wider context we propose to refer to the field of MIR as Music Information ReSearch and thus widen its scope, ensuring its focus is centered on quality of experience with greater relevance to human networks and communities.

#### 3.1 Objectives

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- Leverage European leadership in music creativity, production and mobile distribution
- Build a digital economy founded on 'uncopiable intangibles': personalisation, interpretation, embodiment, findability, community
- Ensure coherent targeted support for innovation to underpin a competitive strategy for the European music industry and the future of music search
- Widen and deepen MIR - seen as Music Information ReSearch - based on music as a cultural construct with greater relevance to human networks and communities
- Provide support for multimodality, multiculturalism, multidisciplinary, cognitive science and AI
- Enhance co-creativity in music search and discovery, and foster rich user Quality of Experience (QoE) enabling a multiplicity of interpretations and the emergence of new user behaviours

#### 3.2 Methods

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- Provide a meta-analysis of the discipline
- Examine applications of MIR
- Address emergent contexts
- Address major challenges
- Formulate research evaluation standards
- Contribute to industry standards
- Deliver innovative platforms
- Involve a variety of stakeholders
- Engage companies and researchers from outside the EU
- Engage the music industry in debates and events
- Ensure dissemination in industry and establish long-term stakeholder relationships
- Build a framework for virtual network of MIR excellence

## **4 WORK PACKAGES**

The overall strategy of the work within the scopes of the project has been divided into distinct 6 Work Packages, each addressing an essential component area of the Coordination Action.

### **4.1 WP 1 Project Management**

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Work Package 1 outlines a plan for effective management of the Coordination Action and the related reporting strategy.

### **4.2 WP 2 Meta-Analysis of the MIR Discipline**

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Work Package 2 focuses on the Meta-Analysis of the MIR Discipline, and is divided into distinct thematic areas, each one handled by a consortium partner. It has direct influence over the content used in Dissemination (WP4) and in laying the foundations of the writing of the Roadmap for Music Information ReSearch (WP3).

### **4.3 WP 3 Roadmap Document for Music Information ReSearch**

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Work Package 3 focuses on creating the Roadmap for Music Information ReSearch covering outstanding research issues, horizon scanning & technology foresight and market futures for related services. It is built upon the report generated by WP2 in Month 9 and on the knowledge gathered and generated during the events organised by Community Co-creativity and New Knowledge Generation: Hubs and Spokes (WP5).

### **4.4 WP 4 Dissemination: Wiki, Publications, Conferences and Workshops**

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Work Package 4 is dedicated to the wide dissemination of knowledge about MIReS as well as collecting information relevant for the roadmap, gathered both from the meta-analysis of the discipline (WP2) and from the Roadmap findings (WP3) and involves wiki, publications, conferences, workshops, international researchers and external stakeholders.

### **4.5 WP 5 Community Co-creativity and New Knowledge Generation (Hubs and Spokes)**

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Work Package 5 is devoted to Community Co-creativity and New Knowledge Generation: Hubs and Spokes, and involves members from academic disciplines, international researchers, different age groups, multicultural communities, events with EU Associate countries, and a variety of industry stakeholders.



#### **4.6 WP 6 Framework for an MIReS Network of Excellence: Research-to-Industry**

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Work Package 6 provides the framework for a network of MIReS excellence from research-to-industry in view of ensuring efficient communication and transfer of innovation to industry in the long-term and continuing to inform policies beyond the lifetime of the proposal.

Figure 1 shows the timelines for all work packages, and the associated deliverables.

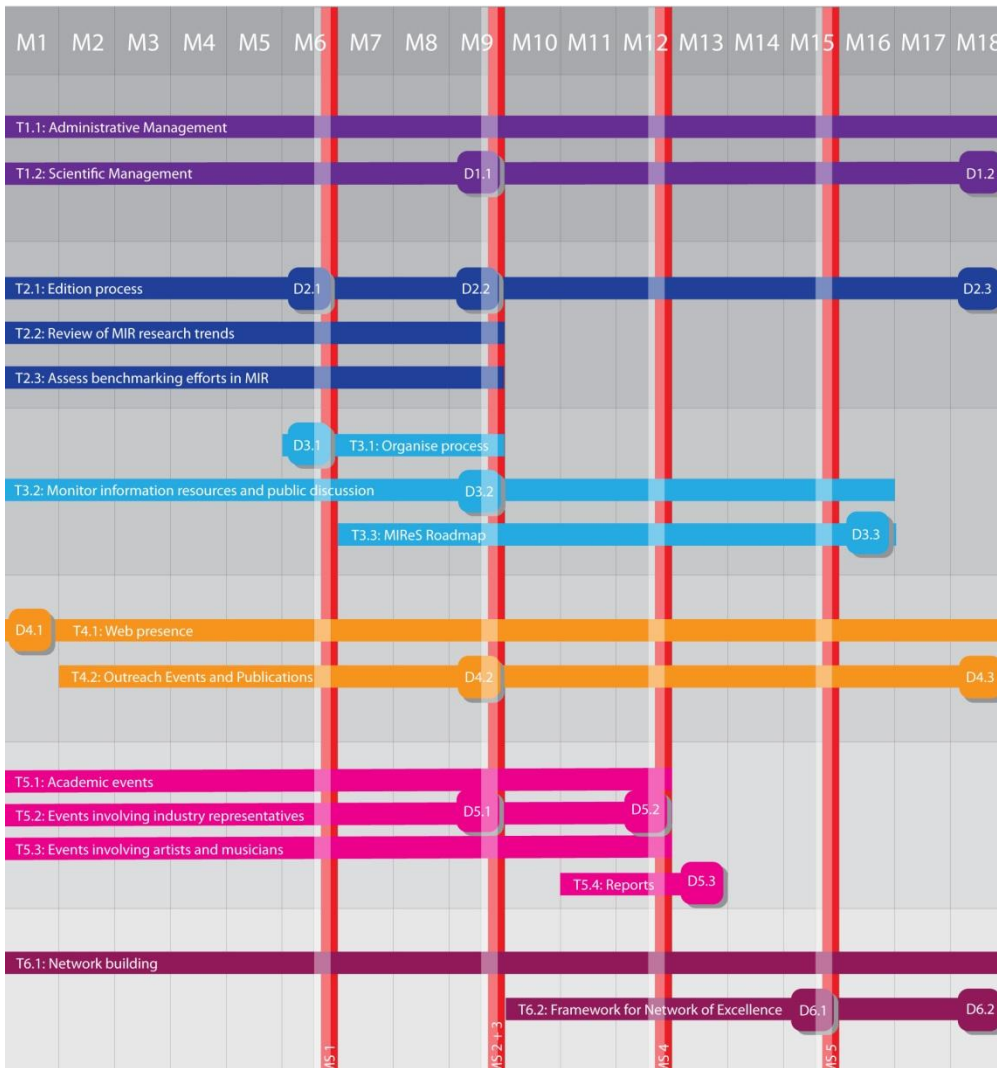


Figure 1

## 5 SUMMARY OF COMPLETED WORK

As seen in Figure 1, the first 9 months of the project constituted the more intensive half for Work Packages 2 and 5. The focus was therefore on the analysis of the state of the art and on generating a number of valuable hubs and spokes to generate new knowledge for the roadmap. Additional value has also been generated in the other work packages.

### 5.1 Meta-analysis and State of the art

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During the first project meeting and roadmapping workshop in Barcelona in October 2011 it was concluded that the analysis of the state of the art could not be structurally isolated from the roadmap challenges as the two were interdependent. A document structure was therefore set to include both WP2 and WP3 content. Topics covered therefore had to reflect both the main research areas of the state of the art, as well as areas which are not currently investigated but are considered important for future MIR research. For the latter, state of the art had to refer to evidence of research from other relevant current practices in the arts and sciences.

During the second roadmapping workshop in Vienna (2-3 February 2012) the overall roadmap structure was further improved and subject areas defined for the state of the art. Roadmap challenges were introduced into completed state of the art sections of the roadmap in the third roadmapping workshop in Barcelona (12-13 April 2012) and were further defined with evidence from organised events in the fourth workshop in London in June 2012. A summary of the state of the art achievements is available in the deliverable D2.2.

### 5.2 Hubs and spokes

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During the reporting period it was necessary to organise a series of specially conceived events which would allow a broadening of scope for the area of Music Information ReSearch. These included:

- Panel discussion: ***Music Information Research of relevance to Hindustani and Carnatic music*** at the 1st CompMusic Workshop at the KIIT-Gurgaon, India (20 January 2012)

- Panel discussion: ***Technological challenges for the computational modeling of the world's musical heritage*** at the INFLA/FMA in Seville, Spain (20 April 2012)
- Talks, demos and performances at the launch of the ***Music Tech Fest*** with 52 contributors in London, UK (17-19 May 2012)
- Workshop: ***Synaesthesia*** at the Music Tech Fest in London. UK (17 May 2012)
- Workshop: ***3D Music Hack Camp*** at the Music Tech Fest in London. UK (18-19 May 2012)
- Workshop: ***MIR and Creation*** at the Manifeste Festival in Paris, France (2 June 2012)
- Panel discussion: ***MAKE, PLAY, SHARE: The future of MusicTech*** at the Sonar festival in Barcelona, Spain (14 June 2012)
- Panel discussion: ***The Future of Music Information Research*** at the CMMR conference in London, UK (21 June 2012)

All of the MIReS-organised events were fully documented and generated valuable feedback for the roadmap. A more detailed summary of the events can be found in the deliverable D5.1.

### **5.3 Additional value**

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Additional value has been achieved by reaching a number of objectives which were planned for later in the programme. These include all of the methods listed under **Objectives**, thus creating a strong framework for dissemination (see D4.2), knowledge building for the roadmap (see D3.2) and a research-to-industry network (which will be described in detail in deliverable D6.1 scheduled for Month 15).

## 5.4 Reports from the individual work packages

<b>WP nr</b>	2	<b>WP title</b>	Meta-Analysis of the MIR Discipline			
<b>Summary of progress towards objectives</b>						
In a collaborative effort, the MIReS consortium wrote an initial review of MIR research trends. This review is available in Deliverable D2.2. Task 2.1 has been completed. Tasks 2.2 and 2.3 have been started and next steps towards the completion of these tasks are underway.						
<b>Details for each task</b>						
T2.1 Edition process		The edition process of the web-based documentation of the MIR state-of-the-art has been discussed and agreed in the first two management meetings. It resulted in Deliverable D2.1.				
T2.2 Review of MIR research trends		Review of MIR research trends have been conducted as a joint effort between partners. The result can be found in Deliverable D2.2. The next step in this task will be to open the discussion on MIR research trends to the MIR community and to integrate outcomes of this discussion in further versions of the MIReS Roadmap.				
T2.3 Assess benchmarking efforts in MIR		A survey of past and current evaluation efforts has been done, and was included in section 2.7 of the roadmap. A special session on evaluation was set up to take place in next ISMIR, in October 2012. The next important step in this task will be to monitor the output of this session and include it in further improved versions of the roadmap.				
<b>Highlight clearly significant results</b>						
Current significant results are the completion of Task 2.1, Deliverable D2.1, and completion of D2.2.						
<b>Explain the reasons for deviations from Annex I</b>						
N/A						
<b>Explain the reasons for failing to achieve critical objectives</b>						
N/A						
<b>If applicable, propose corrective actions</b>						
N/A						
<b>Use of resources (PMs)</b>						
<b>MTG-UPF</b>	<b>STRO</b>	<b>OSGK-OFAI</b>	<b>IRCAM</b>	<b>INESC PORTO</b>	<b>QMUL</b>	<b>BMAT</b>
1.61	1.00	2.96	1.25	2.30	1.60	0.50

<b>WP nr</b>	3	<b>WP title</b>	Roadmap Document for Music Information ReSearch			
<b>Summary of progress towards objectives</b>						
The goal of this WP is to use the results of the meta-analysis of the Music Information Research (MIR) field (WP2) and the input from external stakeholders (WP5) to compile a strategic roadmap in a collaborative effort. Considerable progress has been made during the reporting progress concerning the organisation of the roadmapping process, the monitoring of information resources and the drafting of an intermediate version of the roadmap.						
<b>Details for each task</b>						
T3.1	Organise process	Early on in the project, a concrete plan for information gathering and writing of the roadmap has been developed and adhered to by all partners.				
T3.2	Monitor information resources and public discussion	Monitoring of information resources has been done in tight cooperation with WP2 and WP5 leaders (INESC and UPF-MTG). All results were directly integrated into a jointly edited shared document (draft version of roadmap).				
T3.3	MIReS Roadmap	A substantial intermediate version of the roadmap has been produced in a collaborative effort. Parts of it are ready for publication to get feedback from researchers in the field of MIR.				
<b>Highlight clearly significant results</b>						
Agreed on a clear plan to collaboratively organise the roadmapping process. Substantial monitoring of information sources and public discussion was part of the roadmapping process. Writing of an intermediate version of the roadmap was achieved.						
<b>Explain the reasons for deviations from Annex I</b>						
N/A						
<b>Explain the reasons for failing to achieve critical objectives</b>						
N/A						
<b>If applicable, propose corrective actions</b>						
N/A						
<b>Use of resources (PMs)</b>						
<b>MTG-UPF</b>	<b>STRO</b>	<b>OSGK-OFAI</b>	<b>IRCAM</b>	<b>INESC PORTO</b>	<b>QMUL</b>	<b>BMAT</b>
1.11	0.25	2.37	1.55	1.50	0.26	0.50

<b>WP nr</b>	4	<b>WP title</b>	Dissemination: Wiki, Publications, Conferences and Workshops			
<b>Summary of progress towards objectives</b>						
The main objective of this work package is to maximise the impact of the project by a strong up-to-date web presence and by engagement with external stakeholders via high-profile events and publications. Throughout the reporting period a profiled web site and available online full project documentation have ensured high visibility of the project, and a number of events organised and/or supported by the MIReS partners have provided a massive feedback to the project and substantial contributions to the Roadmap document.						
<b>Details for each task</b>						
T4.1 Web presence		The project web site and wiki pages has been designed and implemented with a strong focus on presenting the state-of-the-art in Music Information Research in a form of demonstrative videos, providing up-to-date information about MIReS related conferences, workshops and trade shows, as well as providing a full information about the project (details reported in Deliverable 4.1). Within the course of the project an intermediate version of a scientific collection has been created and incorporated into the wiki. It comprises a list of dissemination (WP4) and feedback & knowledge generating (WP5) events with links to available documenting multimedia materials (details reported in Deliverable 4.2).				
T4.2 Outreach Events and Publications		All the partners have been actively disseminating MIReS goals and objectives as well as collecting feedback and insights for the Roadmap via academic events, events involving industry representatives and events involving artists and musicians (details reported in Deliverable 5.1). Amongst others, they have attended the core conferences such as ISMIR 2011, ICASSP 2012, CMMR 2012, TEI2012, WWW'12 and trade shows (i.e. MIDEM 2012, Music Matters2012)				
T4.3 Coordination with other initiatives existing in the field		The MIReS was first presented at the 8th Networked Media EU Concentration Meeting with a goal to set the project outreach within the Networked Media and Search Systems landscape and start collaboration towards common activities.				
<b>Highlight clearly significant results</b>						
The MIReS website layout and contents have already earned a very positive feedback from the research community members who emphasised an importance of showcasing and demonstrating research outcomes to maximise networking between academia and industry partners, acting as a potential auxiliary tool facilitating technology transfer to industry.						
<b>Explain the reasons for deviations from Annex I</b>						
N/A						
<b>Explain the reasons for failing to achieve critical objectives</b>						
N/A						
<b>If applicable, propose corrective actions</b>						
N/A						
<b>Use of resources (PMs)</b>						
<b>MTG-UPF</b>	<b>STRO</b>	<b>OSGK-OFAI</b>	<b>IRCAM</b>	<b>INESC PORTO</b>	<b>QMUL</b>	<b>BMAT</b>
0.53	0.50	0.00	0.38	0.60	3.17	0.20

<b>WP nr</b>	5	<b>WP title</b>	Community Co-creativity and New Knowledge Generation
<b>Summary of progress towards objectives</b>			
<p>The tasks included in this WP are designed to build better and tighter bridges between the MIR academic, industrial and artistic communities on one hand, and other relevant complementary communities on the other hand, such as e.g. hackers/freelancers, artists and students.</p> <p>The progress of the tasks within WP5 can be summarized as the organization of 6 panel discussions and workshops around specific topics relevant for the roadmap, 2 hands on sessions (i.e. hackathons) and 1 major festival. All details are available on D5.1 Intermediate summary of all events organized.</p>			
<b>Details for each task</b>			
T5.1 Academic events		<p>Academic conferences are an important public assessment point for the MIReS Coordination Action. Gathering of information will be organized in a way to promote brainstorming on specific topics with the aim to include it in the roadmap.</p> <p>The following events have already been organised targeting academic audience: Workshop on Computational models for Music Information Research with multicultural focus, AdMIRe 2012, panel discussion 'Technological challenges for the computational modeling of the world's musical heritage' at INFLA / FMA 2012, MIReS roundtable 'MIR and creation' and MIReS Panel 'The Future of Music Information Research' in the frame of CMMR 2012.</p> <p>Additionally, INESC PORTO has already started organizing the MIRrors session in the frame of the well-known ISMIR Conference.</p>	
T5.2 Events involving industry representatives		<p>Since the field of Music Information ReSearch is expected to have a considerable impact on the multimedia market economy and related fields within creative industries (entertainment, mobile services, gaming, virtual/augmented reality, etc.) several workshops involving key EU industry representatives are included with the goal of i) exploring future MIR applications and possible barriers from the industry point of view and ii) catering for quick technology transfer turnarounds.</p> <p>Specifically, the following events addressed to industry representatives have been organized: Music Tech Fest, including Music discovery and creativity workshop, 3D Hack Camp and Industry trend spotting event, MIReS Panel 'Make, Play, Share: the Future of Music Tech' at Sonar Festival and Music Hack Day at Sonar Festival.</p>	



<p>T5.3 Events involving artists and musicians</p>	<p>Creative insight into the discipline are sought through 'art meets science' events, gathering input from artists working with interactive technologies and music performers from different cultural backgrounds. These events encourage exchange of ideas with artists and musicians, and expand the Music Information ReSearch stakeholders' network.</p> <p>The list of events organized addressed to artists and musicians until the 9 month of the project is as follows: Workshop on Computational models for Music Information ReSearch (MIReS) with multicultural focus, Music Tech Fest, including Music discovery and creativity workshop, 3D Hack Camp and Industry trendspotting event and MIReS roundtable 'MIR and creation'.</p>					
<p>T5.4 Reports, proceedings and presentation to EU Media Search Cluster</p>	<p>MIReS project did its first public presentation in the frame of a FP7 Concertation Meeting in Brussels, in order to involve in the project other EC ongoing initiatives, stakeholders and policy-makers. Following the DoW, this activity was expected to start by M11, though it was started before due to the importance of getting involve the influencing communities in the MIR field, and to provide them with the opportunity of monitoring the project evolution.</p>					
<p><b>Highlight clearly significant results</b></p>						
<p>The progress of the tasks within WP5 can be summarized as the organization of 6 panel discussions and workshops around specific topics relevant for the roadmap, 2 hands on sessions (i.e. hackathons) and 1 major festival. All details related to these events and sessions are available on D5.1 Intermediate summary of all events organized.</p>						
<p><b>Explain the reasons for deviations from Annex I</b></p>						
<p>Although T5.4 was expected to start at M11, it was launched at M3. This fact will not affect the foreseen use of resources, and will contribute to involve outside communities in the roadmap discussions.</p> <p>The organization of the major event Music Tech Fest required a higher dedication to STRO that was partially devoted to find complementary funding coming from both public and private entities. Thus, the expenditure of other costs related to this event was less than expected in DoW.</p>						
<p><b>Explain the reasons for failing to achieve critical objectives</b></p>						
<p>All objectives define in DoW have been successfully achieved.</p>						
<p><b>If applicable, propose corrective actions</b></p>						
<p>The corrective action in order to offset the extra dedication required for STRO in order to organize the Music Tech Fest is shifting resources from 'other costs' to personnel. All details related to the proposal for correction are available under section 3.2.3.4. Summary of project status.</p>						
<p><b>Use of resources (PMs)</b></p>						
<p><b>MTG-UPF</b></p> <p>3.34</p>	<p><b>STRO</b></p> <p>2.75</p>	<p><b>OSGK-OFAI</b></p> <p>0.00</p>	<p><b>IRCAM</b></p> <p>0.35</p>	<p><b>INESC PORTO</b></p> <p>1.10</p>	<p><b>QMUL</b></p> <p>0.42</p>	<p><b>BMAT</b></p> <p>2.00</p>

WP nr	6	WP title	Framework for an MIReS Network of Excellence
<b>Summary of progress towards objectives</b>			
<p>The objectives of this work package are to establish the foundations for more efficient communication, co-operation and collaboration between MIR research centres and music industry representatives, and to propose a framework for long-term transfer of research innovation to industry which would continue to inform policy makers beyond the lifetime of the proposal.</p> <p>Preparatory steps for research-to-industry network building were taken at MIDEM 2012 through wide dissemination of the MIReS project and objectives with industry stakeholders. In May 2012, the industry stakeholders were actively engaged in network building through proposals for the first Music Tech Fest, which gathered researchers, innovators, creative practitioners, hackers, SMEs and industry representatives under one roof. The response to the call exceeded our expectations, and by gathering additional funds from an ERDF-funded project, and from private funds, we were able to organise an event with 52 contributors, including talks, demos, installations and performances, all related to music data and technology, and gather valuable feedback and challenges.</p>			
<b>Details for each task</b>			
T6.1 Network building	<p>Network building began with active dissemination among music industry stakeholders at MIDEM in January 2012. The MIReS proposal for the Music Tech Fest which would gather the entire music technology community under one roof attracted a surprising response. 52 contributors from research and industry participated with talks, demos, installations and performances. Participation also included 77 creative practitioners in the Synaesthesia workshops and 30 hackers in the 3D Music Hack Camp. The event attracted over 10,000 web users over the month of May, and live streaming of the event was seen by over 700 viewers from 40 countries. The festival generated 830 minutes of professional film footage on each of the three cameras and has been presented as Music Tech Talks on the Music Tech Fest channel on YouTube. A follow-up event is held on the 26th of July 2012 as part of the cultural evening programme being held at the time of the London Olympics.</p>		
T6.2 Framework for Network of Excellence	<p>A full description and proposal for a framework for NoE is planned for D6.2 and will be presented in Month 18.</p>		
<b>Highlight clearly significant results</b>			
<p>Long-term impact has been achieved by the recognition and allegiance by stakeholders to the Music Tech Fest community, with continuing contributions and proposals for future events. The MIReS organising partners have been invited to organise a follow-up to the festival - and evening of Music Tech Talks, to be held in a dome set up to run a cultural evening programme at the time of the London Olympics. This event is being held on July 26th 2012 and includes some of the more prominent figures of the music technology community.</p> <p>An important platform has been gained with the Music Tech Fest channel on YouTube, which contains professionally filmed and edited videos of each Music Tech Talk, and which is serving as a repository of documented events and public information, as well as attracting proposals for further contributions. We plan to continue to incentivise the Music Tech community thus created throughout the duration of the MIReS project, and encourage continued use of this framework beyond the duration of the project</p>			
<b>Explain the reasons for deviations from Annex I</b>			
<p>The strong interest shown by industry stakeholders in a framework which would support both research and industry, resulted in a surprising number of accepted invitations and applications to participate in the Music Tech Fest by some of the best known brands and personalities who operate in this landscape. With the possibility of additional public and private funding, and academic support from the hosting institution, it was important to seize the opportunity and gather as much feedback as possible for the MIReS roadmapping and network building</p>			

objectives. We invested all personal resources necessary to enable a larger-scale event to happen, while keeping costs proportionally extremely low, and by utilising a large number of complementary contributions. The long-term impact, as well as the opportunity to secure of some of the key objectives of the MIReS project, were the main reasons for this shift in priorities.

**Explain the reasons for failing to achieve critical objectives**

N/A

**If applicable, propose corrective actions**

The details of the proposal for correction for the extra effort are under the Coordination and Management section.

**Use of resources (PMs)**

<b>MTG-UPF</b>	<b>STRO</b>	<b>OSGK-OFAI</b>	<b>IRCAM</b>	<b>INESC PORTO</b>	<b>QMUL</b>	<b>BMAT</b>
0.18	1.50	0.00	0.17	0.00	0.03	0.45

## 6 COMPLETED DELIVERABLES

Table 1 shows all deliverables which were scheduled to be completed in the first 9 months of the project. All listed deliverables have been completed on schedule.

<b>Del. no.</b>	<b>Deliverable name</b>	<b>WP no.</b>	<b>Nature</b>	<b>Dissemination level</b>	<b>Delivery date (proj.month)</b>
D1.1	Intermediary report	1	R	PP	M9
D2.1	Documentation hub	2	O	CO	M6
D2.2	Written report on the state of the art	2	R	PP	M9
D3.1	Specification of the roadmapping process	3	R	CO	M6
D3.2	Intermediate version of the roadmap	3	R	CO	M9
D4.1	Website and wiki active	4	R	PU	M1
D4.2	Intermediate version of the scientific collection	4	R	PP	M9
D5.1	Intermediary summary of all events organised	5	R	PU	M9

Table 1

## 7 MILESTONES REACHED

Table 2 shows the project milestones which were expected to be reached during the reporting period. All listed milestones have been reached.

Milestone number	Milestone name	Work package(s) involved	Lead beneficiary	Delivery date
MS1	Presentation of the report from the strategic meeting on the roadmapping process	WP3	3	M6
MS2	Presentation of the report on the meta-analysis of MIR research trends	WP2	5	M9
MS3	Presentation of first draft of roadmap structure	WP3	3	M9

Table 2

## 8 PROJECT MANAGEMENT AND COORDINATION

The work done within the project management can be summarized as follows: (i) setting up a framework (including templates and procedures) suitable for the project execution, (ii) implementing efficient communication channels between partners and with the EC, (iii) organizing project meetings for both coordinating the working team and conducting scientific discussions and (iv) managing the reporting activity in a standardized manner, accordingly to EC guidelines and based on reporting periods that allow UPF-MTG as coordinator as well as partners reacting in a proactive manner in order to address possible deviations and minimize the impact to the project.

The templates and forms for reporting include those requested by the EC guidelines for this matter, as well as additional and complementary templates which may be useful for collecting a complete set of information of the activities within the project (i.e. event fiches for both WP4 and WP5).

### 8.1 MIReS Framework setup

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The work done for the setup of the framework has followed a methodological approach which can be summarized in 3 main stages:

1. **Presentation of proposal for project and partners' coordination**, including procedures for communication and assuring quality of MIReS outcomes and actions for reporting to participants during the project kick-off meeting and answer related questions from partners;

The project coordination started with the definition of a Consortium Agreement (CA) to complement the obligations defined under official contract with the EC. The CA proposed was based on the standard version provided by CESCA, customized to the characteristics of MIReS and based on an open philosophy in terms of IPR related to the project outcomes.

In terms of internal and external communication, QMUL together with STRO defined the project website, and UPF-MTG established the internal mailing list. Other tools required for the project execution were also setup (like google collections for collaborative edition of the meta-analysis and State of the Art).

During the kick-off in October 2011 the reporting requirements were explained and discussed, in order to address specific questions and concerns from the participants. Furthermore, the essential project documents, such as the core

contract, its annexes, and budget for each partner were reviewed and the signed version of the CA was shared among partners.

2. Generation of **MIREs Handbook and Quality Manual**, as well as the design of procedures and templates (in line with EC guidelines);

As follow up to Phase 1, the design of reporting templates and standard forms were defined and later on published in a private space under the MIREs wiki pages (MIREs Documentation Hub). In addition, UPF-MTG provided MIREs partners with a project Hand Book, document which contains all contacts from involved teams, procedures for the project organisation, legal framework applicable, financial issues, details on reporting, IPR and publication, quality plan and guidelines for communication, reporting and document production.

In addition, UPF-MTG provided all partners with an estimation of the effort planned per Milestone, based on the project execution rhythm as stated in the Description of Work (DoW). This way all partners are aware of the effort planned per each significant point of the project and can react to possible deviations, analyse main causes and define corrective actions if needed.

3. **Distribution and training** on their completion to both scientific and administrative MIREs teams.

The following documents for guidance, templates and forms have been produced and/or collected into the Documentation Hub ([http://mires.eecs.qmul.ac.uk/wiki/index.php/Main\\_Page](http://mires.eecs.qmul.ac.uk/wiki/index.php/Main_Page)):

- Official docs:
  - Contractual docs: grant agreement with annexes, consortium agreement signed by all beneficiaries
  - FP7 related laws
- Project docs:
  - Project documents: DoW, links to the working docs available in the google collection, full list of events (WP1, WP4 and WP5), project Handbook and Quality plan and meeting documents (presentations).

- Templates: deliverable, deliverable review, internal management report, periodic report, financial statement form, final report, WP4 event fiche, WP5 event fiche, Time sheet
- Deliverables: list of deliverables and links to the documents already produced.
- Logos: MIREs project, EC, FP7.
- Guidance docs:
  - Execution: Project HandBook & QA
  - Project reporting: guidance notes on project reporting, guidance for annual reports, and general remarks on filling in the Financial Statement form
  - Financial guidelines: FP7 financial guide, tips for cost claims, personnel costs calculation for SME owners, personnel costs calculation (eligibility of taxes), other costs calculation (flat rates for daily allowance).

## 8.2 Project meetings

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The project meetings are organized by the coordinator, with contributions of the members in the Steering Committee.

Meeting	Location	Dates	Attendees	MGT	S&T
Kick-off	Barcelona	20-21 Oct 2011	All	Yes	Yes
3-month meeting	Vienna	2-3 Feb 2012	All	-	Yes
6-month meeting	Barcelona	12-13 Apr 2012	All, INESC PORTO remote	Yes	Yes
9-month meeting	London	17 Jun 2012	All	Yes	Yes

## 8.3 Project reporting

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The internal project reporting has been established accordingly to the project milestones, being in M6, M9, M12 and M18 (instead of M15 due to the advanced delivery of MS4). At every milestone, beneficiaries are required to submit to the Project Coordinator a report showing the effort spent during that period on each work package and deliverable, as well as the use of resources for that period. This allows the Project Coordinator to keep track of the project burn-rate in terms of how fast funds are being spent according to the original plan, detect possible deviations and define corrective actions if needed.



#### 8.4 Summary of project status

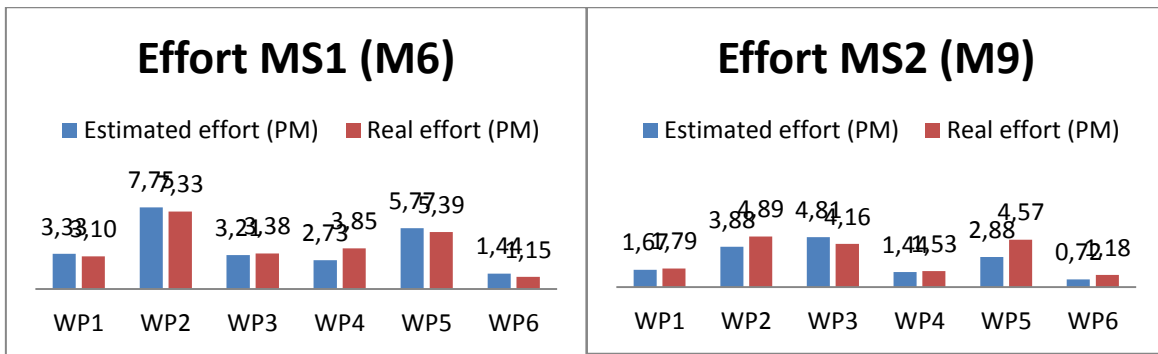
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Significant effort has been invested in the first half of the project to finish a first version of the meta-analysis of the different fields of interest for MIREs (D4.2) and to be able to do the first public presentation of main challenges identified in the roadmap (D3.1) with the occasion of the ISMIR Conference to take place at Portugal in October 2012 (M13), a widely recognized event in our research field.

For the completion of the meta-analysis, the definition of MIREs challenges, the dissemination of MIREs aims and strengths, the involvement of main stakeholders and the alignment of MIREs to other on-going EC initiatives the beneficiaries have attended a total of 9 events and relevant conferences and other industrial events related in our field.

Furthermore, MIREs partners have organized 9 MIREs events aiming at gathering feedback from relevant agents such as artists, researchers, industry and stakeholders, as well as establishing the research to industry network, which has already been successfully delivered by the industrial partners STRO and BMAT (several months in advanced).

In terms of **effort**, the comparison between planned effort and real effort investment shows few variations. The main differences are related with WP3, 5 and 6. Regarding WP3, this WP will have to be finished by January 2013. Integration of the input from the many conferences and workshops organized and attended in the course of WP4 and 5 by all MIREs partners requires a harder effort than expected in the initial DoW. As per WP5 and WP6, the organization of the Music Tech Fest in London (May'12) has required a great effort which has turned into an advanced delivery of the 'Research to industry framework'. In addition, industrial partners (STRO and BMAT) supported by UPF-MTG organized a MIREs panel discussion in the frame of Sonar Festival which was not foreseen in the initial DoW. Further details about MIREs events organized until M9 are available in the D5.1. Intermediary summary of all events organised (delivered in month 9).



The following charts show the **use of resources** for the 2 milestones due Month 9 (MS1 in month 6 and MS2 in month 9). The planned or estimated use of resources (both in term of effort and financials) has been calculated based on the duration of work packages and tasks within the period, and estimating a constant rate of expenditure.

The main difference between planned and real use of resources lies in the expenditure rate of the 'other direct costs', specifically the funding foreseen for the organisation of events. The reasons behind this deviation is first of all that STRO managed to get with complementary (public and private) funds for the organisation of the Music Tech Fest in May 2012, and the MTG-UPF funded all costs related with the Music Hack Day in the frame of Sonar Festival through private sponsorship coming from the companies involved in this event (both of them events included in WP5). The exercise of looking for complementary funds required harder effort (thus increasing the dedication to this WP5), but allowed organizing both events with a higher dimension and using less resources within 'Other direct costs' category.

ESTIMATED USE OF RESOURCES FOR MS1 (01/10/11 - 31/03/12)					
	<b>Total Budget</b>	<b>Actual Budget</b>	<b>Actual Costs</b>	<b>Percentage Spent (%)</b>	<b>Residual Budget</b>
<b>Total PMs</b>	68.50	68.50	24.23	35.37%	44.27
<b>Personnel Costs</b>	366,205.00	366,205.00	129,536.71	35.37%	236,668.29
<b>Other Direct Costs</b>	169,314.00	169,314.00	59,890.98	35.37%	109,423.02
<b>Indirect Costs</b>	107,113.00	107,113.00	37,885.54	35.37%	69,227.46
<b>Total Costs</b>	<b>642,632.00</b>	<b>642,632.00</b>	<b>227,313.23</b>	<b>35.37%</b>	<b>415,318.77</b>
<b>Max. EC Funding</b>	<b>573,000.00</b>	<b>573,000.00</b>	<b>202,687.63</b>	<b>35.37%</b>	<b>370,312.37</b>

<b>REAL USE OF RESOURCES FOR MS1 (01/10/11 - 31/03/12)</b>					
	<b>Total Budget</b>	<b>Actual Budget</b>	<b>Actual Costs</b>	<b>Percentage Spent (%)</b>	<b>Residual Budget</b>
<b>Total PMs</b>	68,50	68,50	24,20	35,33%	44,30
<b>Personnel Costs</b>	366.205,00	366.205,00	116.250,87	31,74%	249.954,13
<b>Other Direct Costs</b>	169.314,00	169.314,00	23.224,90	13,72%	146.089,10
<b>Indirect Costs</b>	107.113,00	107.113,00	27.895,15	26,04%	79.217,85
<b>Total Costs</b>	<b>642.632,00</b>	<b>642.632,00</b>	<b>167.370,93</b>	<b>26,04%</b>	<b>475.261,07</b>
<b>Max. EC Funding</b>	<b>573.000,00</b>	<b>573.000,00</b>	<b>148.679,46</b>	<b>25,95%</b>	<b>424.320,54</b>

Comparison of use of resources planned and real one in MS1 (month 6). All figures in Real use of resources are estimated and will be consolidated in the Periodic Report which will cover from M1 to M12.

<b>ESTIMATED USE OF RESOURCES FOR MS2 (01/04/12 - 31/06/12)</b>					
	<b>Total Budget</b>	<b>Actual Budget</b>	<b>Actual Costs</b>	<b>Percentage Spent (%)</b>	<b>Residual Budget</b>
<b>Total PMs</b>	68.50	44.27	15.40	57.86%	28.87
<b>Personnel Costs</b>	366,205.00	236,668.29	82,341.30	57.86%	154,326.99
<b>Other Direct Costs</b>	169,314.00	109,423.02	38,070.30	57.86%	71,352.71
<b>Indirect Costs</b>	107,113.00	69,227.46	24,082.32	57.85%	45,145.14
<b>Total Costs</b>	<b>642,632.00</b>	<b>415,318.77</b>	<b>144,493.93</b>	<b>57.86%</b>	<b>270,824.84</b>
<b>Max. EC Funding</b>	<b>573,000.00</b>	<b>370,317.70</b>	<b>128,840.42</b>	<b>57.86%</b>	<b>241,471.95</b>

<b>REAL USE OF RESOURCES FOR MS2 (01/04/12 - 31/06/12)</b>					
	<b>Total Budget</b>	<b>Actual Budget</b>	<b>Actual Costs</b>	<b>Percentage Spent (%)</b>	<b>Residual Budget</b>
<b>Total PMs</b>	68,50	44,30	18,12	61,78%	26,18
<b>Personnel Costs</b>	366.205,00	249.954,13	80.169,37	53,64%	169.784,76
<b>Other Direct Costs</b>	169.314,00	146.089,10	50.060,24	43,28%	96.028,86
<b>Indirect Costs</b>	107.113,00	79.217,85	26.045,92	50,36%	53.171,92
<b>Total Costs</b>	<b>642.632,00</b>	<b>475.261,07</b>	<b>156.275,53</b>	<b>50,36%</b>	<b>318.985,54</b>
<b>Max. EC Funding</b>	<b>573.000,00</b>	<b>358.946,10</b>	<b>139.345,68</b>	<b>50,27%</b>	<b>229.676,44</b>

Comparison of use of resources planned and real one in MS2 (month 9). All figures in Real use of resources are estimated and will be consolidated in the Periodic Report which will cover from M1 to M12.

At the moment all partners and its expenditure rate are following expected levels, though STRO presents a deviation of the resources used until M9. The extra effort in order to obtain additional resources for the Music Tech Fest (activity within WP5) ran out their available resources for WP5, consuming 1.25 extra PMs. This extra dedication

turned out in a decreased expenditure of other costs category (due to the extra funds obtained).

Taking into consideration the facts and reasons above-mentioned, a correction of the Person Months and Other costs allocation to STRO partner is required at the moment. The following chart shows the available resources for STRO at M9:

MILESTONES	TOTAL BUDGET	PERSONNEL	OTHERS	INDIRECT (20%)
TIME PERIOD	102,387.60 €	45,000.00 €	40,323.00 €	17,064.60 €
MS1 (Oct'11-Mar'12)	35,415.60 €	20,000.00 €	9,513.00 €	5,902.60 €
MS2 (Mar'12-Jun'12)	36,025.46 €	17,500.00 €	12,521.22 €	6,004.24 €
Subtotal	71,441.06 €	37,500.00 €	22,034.22 €	11,906.84 €
Remaining	30,946.54 €	7,500.00 €	18,288.78 €	5,157.76 €

The following charts contain our proposal for correction of this deviation, including both personnel and other costs projection for expenditure until the end of the project:

PERSONNEL					
	Total PMs	PMs spent (Oct11-Jun12)	Remaining PMs	PMs expected until the end of the project	Proposal for correction
WP1	3	1.5	1.5	1.5	0
WP2	1	1	0	0	0
WP3	1	0.25	0.75	0.75	0
WP4	0.5	0.5	0	0.25	0.25
WP5	1.5	2.75	-1.25	0.5	1.75
WP6	2	1.5	0.5	0.5	0
TOTAL PMs	9	7.5	1.5	3.5	2

SUMMARY				
	Total costs	Personnel costs	Other costs	Indirect costs
Actual budget (MS2, M9)	30,946.54 €	7,500.00 €	18,288.78 €	5,157.76 €
Foreseen use of resources	30,456.00 €	17,500.00 €	7,880.00 €	5,076.00 €
Remaining	490.54 €	-10,000.00 €	10,408.78 €	81.76 €
Proposal for correction				
Correction (+2 PMs)	0	10000	-10000	0
Remaining	490.54 €	0.00 €	408.78 €	81.76 €

Regarding the estimated effort until the end of the project, the partner OFAI would like to spend more effort in WP3 due to planned effort required in order to include the feedback collected in the number of events and workshops organised and to be attended for the time span Oct-Dec. This fact is cost neutral for the project due to a shift of direct costs to personal costs. All work will be carried out as foreseen in our original proposal. The proposal for shifting between personnel and other costs is as follows:

	PERSONNEL				
	Total PMs	PMs spent MS2	Remaining PMs	PMs expected until the end of the project	Proposal for correction
WP1	1	0,17	0,83	0,83	0
WP2	3	2,96	0,04	0,04	0
WP3	4,5	2,37	2,13	3,88	1,75
WP4	1	0	1	1	0
WP5	0,5	0	0,5	0,5	0
WP6	0,5	0	0,5	0,5	0
<b>TOTAL PMs</b>	<b>10,5</b>	<b>5,5</b>	<b>5</b>	<b>6,75</b>	<b>1,75</b>

	SUMMARY			
	Total costs	Personnel costs	Other costs	Indirect costs
Actual budget (MS2, M9)	51.206,71 €	30.188,01 €	15.013,36 €	6.005,34 €
Foreseen use of resources	55.046,82 €	36.688,99 €	9.183,36 €	9.174,47 €
Remaining	-3.840,11 €	-6.500,98 €	5.830,00 €	-134,20 €
Proposal for correction				
Correction (+1.75 PMs)	0	5.830,00 €	0,00 €	1.166,00 €
Remaining	-805,18 €	-670,98 €	0,00 €	-134,20 €

## 8.5 Other coordination activities

The MIRÉS Project Coordinators have invested efforts in aligning MIRÉS execution with the Chorus+ project, presenting the project goals and achievements at different forums organised by this complementary EC initiative. MIRÉS project is present in other events and initiatives organised by the EC, such as the EU Search Cluster Concertation Meeting last December 2011, the Search and media computing meeting organized by Chorus+ and the NEM Summit next September 2012.

## 9 USE OF RESOURCES

The following tables provide an explanation of personnel costs, subcontracting and any major costs incurred by each beneficiary within MIReS project, such as the purchase of important equipment, travel costs, large consumable items, etc., linking them to work packages. Costs reported by June 2012 in the current report are estimated and might slightly vary. Possible variations will be addressed in the Periodic Report planned for M12 (October 2012)

Personnel, subcontracting and other major cost items for Beneficiary 1 ( <b>UPF-MTG</b> ) for the period			
WP	Item description	Amount	Explanations
1, 2, 3, 4, 5, 6	Personnel direct costs	39.962,64€	2.25 PM PI 1.80 PM Senior researcher 1.80 PM researcher 3.60 PM project manager
-	Equipment depreciation	0€	N/A
-	Consumables	0€	N/A
1, 2, 3, 4, 5, 6	Travel and subsistence	17.253,23€	Project meeting at Barcelona, 20-21 Oct 2011 (costs of organization) WP1 ICT Coordinators Day at Brussels, 3 Dec 2011 (A. Rosado) WP5 Multicultural event at Delhi, KIIT, 20-22 Jan 2012, expenses of invited expert (B. Bozkurt) WP4 TEI 2012 Conference at Kingston, 19-22 Feb 2012 (S. Jordà) Project meeting at Vienna, 2-3 Feb 2012 (X. Serra, S. Jordà) WP4 event ICASSP'12 (Kyoto), 25-30 Mar 2012 (J. Salamon) Project meeting at Barcelona, 10-11 Apr 2012 (costs of organization) WP4 event WWW'12 (Lyon), 16-20 Apr 2012 (X. Serra, M. Sordo) WP5 MIReS Admire Workshop at Lyon, 14-20 Apr 2012 (M. Haro, J. Salamon) WP5 event INFLA/FMA Conference at Seville, 19-20 Apr 2012 (J. Salamon). WP5 event MIReS Panel Discussion at Barcelona, 14-16 Jun 2012 (R. Kaye, panellist) Project meeting at London, 18 Jun 2012 (X. Serra, S. Jordà, A. Rosado) WP5 MIReS workshop inside CMMR'12 Conference at London, 19-23 Jun 2012 (D. Bogdanov, J. Zapata)
-	Others costs (to specify)	0€	N/A
	Indirect costs	11.443,17€	Calculated as 20% of direct costs
<b>TOTAL COSTS</b>		<b>68.659,05€</b>	

Personnel, subcontracting and other major cost items for Beneficiary 2 ( <b>STRO</b> ) for the period			
WP	Item description	Amount	Explanations
1, 2, 3, 4, 5, 6	Personnel direct costs	37.500,00	7.50PMs including dedication of M Magas, C Rea, J Hearty, A Ashkenazi
-	Equipment deprecation	0€	N/A
-	Consumables	0€	N/A
1, 2, 3, 4, 5, 6	Travel and subsistence	7.894.90€	<p>Project meeting in Barcelona, 20-21 Oct 2011 (M Magas)</p> <p>WP4 FP7 Concertation Meeting in Brussels, 13-14 Dec 2011 (M Magas) Presentations of the MIReS project to the Search Cluster</p> <p>WP4 Networked Media Workshop in Brussels 27 January 2012 (M Magas) representing MIReS</p> <p>WP4 MIDEM 28-31 January 2012 (M Magas and C Rea) dissemination with industry</p> <p>Project meeting at Vienna, 2-3 Feb 2012 (M Magas)</p> <p>Project meeting at Barcelona, 10-11 Apr 2012 (M Magas)</p> <p>WP5 event FMA Conference at Seville, 19-20 Apr 2012 (M Magas and C Rea).</p> <p>WP5 event Music Tech Fest at London, 17-20 May 2012. Group flights organised in order to secure expert input to the MTF, and to participate and organise MIReS-related events. Invited contributors flights: P Kirn (Music Tech Fest Creative Workshop Director), J Sehovic and S Celeski (EU Associate Countries hackers), C Laurier (MIR specialist hacker), M Benainous (gaming specialist hacker).</p> <p>WP5 event MIReS Panel Discussion at Barcelona, 14-16 Jun 2012 (J. Knowles). Travel and Subsistence organised for BBC journalist for the MIReS panel at Sonar.</p> <p>WP5 event MIReS Panel Discussion at Barcelona, 14-16 Jun 2012 (M Magas, C Rea, J Hearty, A Ashkenazi, A Welch)</p>
5, 6	Others costs (to specify)	14.139,32€	<p>Heather Strain Invoice: Artwork for MusicTechFest</p> <p>Nick O'donnell-hoare invoice: App visuals &amp; concept development</p> <p>MTF-T-Shirt samples: Festival T-Shirt sample order - Ethicstar LTD</p> <p>Nela Brown Invoice: Sound Design for MusicTechFest website and app</p> <p>Eyelets &amp; pliers for Banners</p> <p>Materials for MTF banners</p> <p>Stacey Pitsillides invoice: artwork for the</p>

			<p>Music Tech Fest</p> <p>Amazon tools for banners</p> <p>Hayley Crompton: PR for MusicTechFest</p> <p>Bruno Zamborlin Invoice: MIR invited speaker installation</p> <p>Maplin - Lead free solder: Materials for the MTF hackers</p> <p>Maplin - screwdriver &amp; Drill: Materials for the MTF hackers</p> <p>Painting Equipment: Materials for MTF banners</p> <p>Sewing Machine Thread: Materials for MTF banners</p> <p>Eyelets for Banners: Materials for MTF banners</p> <p>Marion Lean Invoice: artwork for MusicTechFest banners</p> <p>Heather Strain Invoice: artwork for MusicTechFest banners</p> <p>Avi Ashkenazi invoice: video production for the Music Tech Fest</p> <p>Midren doo: T-shirts for MTF</p> <p>Avi Ashkenazi invoice: Installation expenses for Music Tech Fest</p> <p>Ravensbourne College invoice: Banner Printing inks for MTF</p> <p>Danny Goodayle invoice: Music Tech Fest app programming</p> <p>Inpoint Media: first round of video editing for the Music Tech Fest channel</p> <p>Sonar Pro badge</p>
	Indirect costs	11.906,84€	Calculated as 20% of direct costs
<b>TOTAL COSTS</b>		<b>71.441,06€</b>	

Personnel, subcontracting and other major cost items for Beneficiary 3 ( <b>OSGK-OFAI</b> ) for the period			
WP	Item description	Amount	Explanations
1, 2, 3	Personnel direct costs	30.711,99€	4,50 PM for one senior researcher 1,00 PM one researcher
-	Equipment deprecation	0€	N/A
-	Consumables	0€	N/A
1, 2, 3	Travel and subsistence	5.116,64€	Project meeting at Barcelona, 20-21 Oct 2011 (G. Widmer) Project meeting at Vienna, 2-3 Feb 2012 (cost of hosting meeting) Project meeting at Barcelona, 10-11 Apr 2012 (A.Flexer) WP5 MIReS Admire Workshop at Lyon, 14-20 Apr 2012 (M.Schedl & P.Knees) Project meeting at London, 18 Jun 2012 (A.Flexer, J. Schlüter)
-	Others costs (to specify)	0€	N/A



-	Indirect costs	7.165,73€	Calculated as 20% of direct costs
TOTAL COSTS		42.994,36€	

Personnel, subcontracting and other major cost items for Beneficiary 4 ( <b>IRCAM</b> ) for the period			
WP	Item description	Amount	Explanations
2, 3, 4, 5, 6	Personnel direct costs	19.825,10€	4.70 PMs including part-time dedication of G. Peeters, G. Assayag, N. Schnell, S. Benoit, H. Vinet
-	Equipment depreciation	0€	N/A
-	Consumables	0€	N/A
2, 3, 5, 6	Travel and subsistence	5.048,31€	Project meeting at Barcelona, 20-21 Oct 2011 (G Peeters) Project meeting at Vienna, 2-3 Feb 2012 (G Peeters) Project meeting at Barcelona, 10-11 Apr 2012 (G Peeters) Project meeting at London, 18 Jun 2012 (G Peeters) WP5 MIR and Creation Workshop: Expenses of invited speakers at workshop
5	Others costs (to specify)	209,98€	Expenses of invited speakers at workshop MIR and Creation
	Indirect costs	5.016,68€	Calculated as 20% of direct costs
TOTAL COSTS		30.100,07€	

Personnel, subcontracting and other major cost items for Beneficiary 5 ( <b>INESC PORTO</b> ) for the period			
WP	Item description	Amount	Explanations
1, 2, 3, 4, 5	Personnel direct costs	31.218,02€	6.04 PMs of the working team comprising F Gouyon, MA Domingues, C Guedes and J dos Santos Cardoso The University of Porto (UP) and the Institute Polytechnic of Porto (IPP) make available human resources to INESC Porto. These resources are allocated to INESC Porto by the Universities and Institutes and they are managed by INESC Porto, at its discretion, according to its own needs and organization, in accordance to the law and appropriate regulations. This does not configure a partnership or any form of sub-contract and the results of the activity belong only to INESC Porto. This contribution is a contribution in kind from UP, by providing to INESC Porto some human resources that are managed at INESC Porto's own discretion, on a basis of a prior agreement. Therefore, the human resources used by INESC Porto in its projects are all considered

			its own resources. INESC Porto Team is composed in its vast majority by professors from the University of Porto and Institute Polytechnic of Porto and, according to FP7 Programme rules, their cost is considered as third party costs.
-	Equipment deprecation	0€	N/A
-	Consumables	0€	N/A
1, 4, 5	Travel and subsistence	4.052,60€	Project meeting at Barcelona, 20-21 Oct 2011 (F Gouyon) Project meeting at Vienna, 2-3 Feb 2012 (F Gouyon, C Guedes) WP4 event ICASSP'12 (Kyoto), 25-30 Mar 2012 (J Oliveira) WP4 event WWW'12 (Lyon), 16-20 Apr 2012 (M Domingues) Music Tech Fest (London), 17-19 May 2012 (M Davis) Project meeting at London, 18 Jun 2012 (F. Gouyon)
-	Others costs (to specify)	0€	N/A
-	Indirect costs	7.054,12€	Calculated as 20% of direct costs
TOTAL COSTS		42.324,74€	

Personnel, subcontracting and other major cost items for Beneficiary 6 ( <b>QMUL</b> ) for the period			
WP	Item description	Amount	Explanations
2, 3, 4, 5, 6	Personnel direct costs	23.182,71€	5.48 PMs including dedication of 2 Senior researchers and 1 PhD student
-	Equipment deprecation	0€	N/A
4	Consumables	0€	N/A
2, 3, 4, 5	Travel and subsistence	2.749,99€	Project meeting at Barcelona, 20-21 Oct 2011 (S Dixon; M Chudy) Project meeting at Vienna, 2-3 Feb 2012 (S Dixon) Project meeting at Barcelona, 10-11 Apr 2012 (S Dixon; M Chudy) Project meeting at London, 18 Jun 2012 (partial cost of hosting meeting; full cost to be reported in next accounting period)
-	Others costs (to specify)	0€	N/A
-	Indirect costs	31.119,24€	Calculated as 20% of direct costs
TOTAL COSTS		27.747,73€	

Personnel, subcontracting and other major cost items for Beneficiary 7 ( <b>BMAT</b> ) for the period			
WP	Item description	Amount	Explanations
2, 3, 4, 5, 6	Personnel direct costs	14.019,78€	3.65 PMs including 1 project manager part-time and 3 employees part-time

-	Equipment deprecation	0€	N/A
-	Consumables	0€	N/A
2, 3, 4, 5, 6	Travel and subsistence	7.580,42€	WP4 event MIDEM event, Cannes, 18-23 Jan 2012 (A Loscos) Project meeting at Vienna, 2-3 Feb 2012 (O Paytuvi) WP5, WP6 Music Tech Fest (London), 17-19 May 2012 (O Paytuvi, P Capella, X Francisco) Project meeting at London, 18 Jun 2012 (O Paytuvi)
5, 6	Others costs (to specify)	9.239,75€	Organization of MusicTechFest and MIREs Panel discussion at Sonar Festival
-	Indirect costs	6.167,99€	Calculated as 20% of direct costs
<b>TOTAL COSTS</b>		<b>37.007,94€</b>	