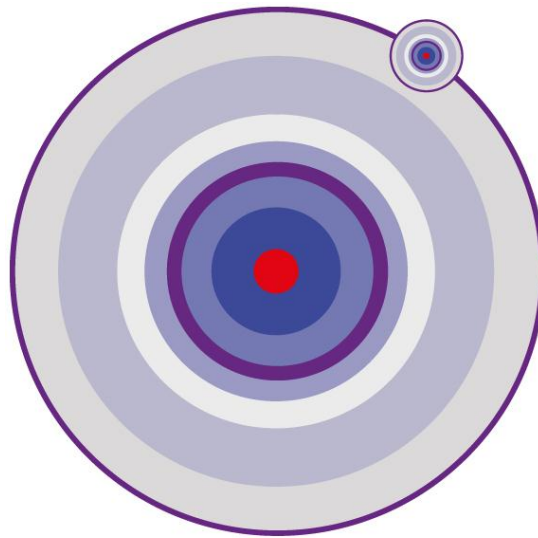


## D3.1: Specification of the roadmapping process



MIReS

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<b>Author(s)</b>	Arthur Flexer
<b>EC Project Officer</b>	Rossella Magli
<b>Abstract</b>	Structured plan developed for organising the inter-consortium discussion process, relevant information sources identified and documented (beyond WPs 2 and 5), as well as the process for gathering and collating of information relevant to the roadmap. Expertise and specific resources of the individual consortium partners are identified and specific roles and topic categories assigned to them.
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## 1 BACKGROUND

This deliverable has been scheduled for month 6 of the project right at the beginning of two very important tasks in the overall roadmapping process: "Task 3.1: Organize discussion process and develop plan for roadmap writing" and "Task 3.3: MIReS Roadmap". It is the aim of this deliverable to give a concrete plan about how the actual writing of the roadmap will be organized. This structured plan will organize the inter-consortium discussion process, the identification and documentation of relevant information sources (beyond WPs 2 and 5), and the gathering and collating of information relevant to the roadmap. The actual compiling of the roadmap will be a collaborative process, with all consortium partners involved.

## 2 INTRODUCTION

This deliverable is the product of two inter-consortium meetings: the kick-off meeting in Barcelona hosted by UPF-MTG and the meeting in Vienna hosted by OSGK-OFAI. In what follows we will summarize both meetings and their main results with respect to the roadmap. We will also include the preliminary “roadmap structure” and “roadmapping structure” as the major results.

### 3 SPECIFICATION OF ROADMAPPING PROCESS

#### 3.1 Barcelona Kick-off meeting

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Date: 20-21 October 2011 (M1)

Organizer: UPF-MTG

Location: Universitat Pompeu Fabra, Roc Boronat 138, Barcelona, Spain

Present: STRO (Michela Magas), UPF-MTG (Emilia Gómez, Perfecto Herrera, Sergi Jordà, Alba Rosado, Xavier Serra), INESC-Porto (Fabien Gouyon), OSGK-OFAI (Gerhard Widmer), QMUL (Simon Dixon, Magdalena Chudy), IRCAM (Geoffroy Peeters), BMAT (Oscar Paytuvi).

Result: The main goal of this meeting was to identify expertise and specific resources of the individual consortium partners which led to the assignment of specific roles and topic categories for the roadmapping process. This was done by jointly reviewing and compiling the state of the art in music information research in a structured brainstorming process. We were able to compile a very first version of the roadmap document basically consisting of a topic structure plus responsible partners. We also agreed on expanding this draft document to a collection of extended abstracts and important citations until our next meeting in Vienna. This phase of expanding and refining our first draft was already done utilizing input from work packages 2 (Meta-Analysis of the MIR Discipline) and 5 (Community Co-creativity and New Knowledge Generation).

Details of the roadmapping process:

Given the fact that the roadmap should concentrate on providing future directions (rather than providing an exhaustive summary of all contributions made to the field so far, which usability would anyway be doubtful), it was decided, right from the beginning, to apply a top-down approach which is translated in our case by a future-to-past approach. In other words, it has been decided to first highlight what are the promising directions in M.I.R., and from this, summarize what are the corresponding existing researches today related to these directions. Each of the proposed directions will then be discussed as: - state of the art and - challenges for the future. We also decided to consider three main point-of-views for promising directions: the one of research, the one of the society and the one of the industry. It should be noted that these three point-of-views are not mutually exclusive but are used to highlight the fact that the vision of the future may be expressed differently according to the considered community.

#### 3.2 Vienna meeting

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Date: 2-3 February 2012 (M4)

Organizer: OSGK-OFAI

Location: Austrian Research Institute for Artificial Intelligence, Freyung 6/6, Vienna, Austria

Present: STRO (Michela Magas), QMUL (Simon Dixon), INESC-Porto (Fabien Gouyon, Carlos Guedes), BMAT (Oscar Paytuvi), UPF-MTG (Xavier Serra, Sergi Jorda), IRCAM (Geoffroy Peeters) and OSGK-OFAI (Arthur Flexer, Gerhard Widmer)

Result: In the original research proposal it was planned to have a focused joint working meeting around month 6 of the project. This meeting was organized in February by OSGK-OFAI



who are also leader of work package 3 (Roadmap Document for Music Information ReSearch). The goal of the meeting was to define a concrete plan for producing the roadmap, which will then further be refined in the process. During the two day meeting we refined and finalized the overall roadmap structure and drew up a plan for the actual compilation and writing that will organize the roadmapping process for the rest of the year. In the following we provide details about both the roadmap structure and the roadmapping process.

### 3.3 Roadmap structure

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Please note that each of the actual MIREs-topics below (2.1-2.6, 3.1-3.3, 4.1-4.8) is further split into: state of the art, challenges, references.

1. Introduction: the MIREs vision
  - 1.1 Definition of MIREs
  - 1.2 Scope of roadmap
2. Technical-scientific perspective
  - 2.1 Musically relevant data
  - 2.2 Music representations
  - 2.3 Data processing methodologies
  - 2.4 Knowledge-driven methodologies
  - 2.5 Music content analysis
  - 2.6 Evaluation of research results
3. Socio-cultural perspective
  - 3.1 Social aspects
  - 3.2 Culture specificity
  - 3.3 User behaviour
4. Exploitation perspective
  - 4.1 Scalability
  - 4.2 Legal and ethical issues
  - 4.3 Search and discovery applications
  - 4.4 Artistic applications
  - 4.5 Education applications
  - 4.6 Digital library applications
  - 4.7 Research applications
  - 4.8 Other Applications
5. Conclusions



### 3.4 Roadmapping process

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We agreed on the following meetings of all MIREs partners which will structure the overall roadmapping process:

Barcelona, host UPF-MTG, 12-13 April 2012

London, host QMUL, 18 June 2012, in conjunction with the "9<sup>th</sup> International Symposium on Computer Music Modeling and Retrieval (CMMR)", 19-23 June, <http://www.cmmr2012.eecs.qmul.ac.uk/>

Porto, host INESC, October 8 2012, in conjunction with the "13<sup>th</sup> International Society for Music Information Retrieval Conference (ISMIR)", October 8-12, <http://ismir2012.ismir.net/>

Paris, host IRCAM, 8-9 November 2012

The tasks for producing the roadmap for the rest of 2012 are:

- Until Barcelona meeting: every partner will finish the "state of the art"-chapters for which they are responsible
- At the Barcelona meeting: "state of the art"-chapters will be discussed and finalized, "challenges" for all topics will be discussed and planned
- Until London-meeting: every partner will finish the "challenges"-chapters for which they are responsible
- At the London meeting: "challenges"-chapters will be discussed and finalized, remaining open parts of the roadmap (basically introductions and conclusions) will be discussed and responsible partners identified
- Until Porto: publishing of a preliminary version of the roadmap on the MIREs-Wiki-page to allow public feedback
- At the Porto meeting and during the ISMIR-conference: gathering feedback from all interested researchers present but especially from MIRRORs session at ISMIR, MIRROR papers and session are of special interest and value since their topic is "Looking back to the past of ISMIR to face the future of MIR"
- Until Paris meeting: analyzing feedback from the general public
- At the Paris meeting: discussion on integration of feedback, planning of the finalization of the roadmapping process

## 4 CONCLUSION

The aim of this deliverable is to present a concrete plan about how the actual production and writing of the roadmap will be organized. This is covered with the “roadmap structure” and “roadmapping process” presented above. Concerning the roadmapping process all tasks are proceeding according to the original plan and schedule.