



Interactive Music Science Collaborative Activities
 Team Teaching for STEAM Education

Deliverable 3.3
First Version of iMuSciCA workbench design and overall architecture

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Dissemination level:	CO
Work package	WP3 – Sub-systems specifications and overall architecture
Version:	1.0
Keywords:	iMuSciCA, workbench, learning environment, core-enabling technologies, architecture
Description:	First version of iMuSciCA the overall architecture and the interplay of the integrated core enabling technologies on the iMuSciCA workbench.



H2020-ICT-22-2016 Technologies for Learning and Skills
iMuSciCA (Interactive Music Science Collaborative Activities)
 Project No. 731861
 Project Runtime: January 2017 – June 2019
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Executive Summary

In D3.1 the iMuSciCA learning environment was divided into different functional pieces, e.g., learning content authoring tool, learning content management system, learning record store, etc. In this deliverable we provide technical and implementation details about these components.

Moreover, same-subject core-enabling technologies are put together in order to create a workbench activity environment. This way, we provide a different functionality and look and feel depending on the type of STEAM activity being performed. In this deliverable, we present and describe in detail the defined workbench activity environments.

In addition, in order to connect the different iMuSciCA learning environment parts, we have defined a communication API that establishes a common inter-operative language between them.

The workbench is an online application to be executed in a web browser. The use of different libraries as well as the core-enabling technologies restricts us to use certain web browser versions. We will provide details about this in the last section of this deliverable.