

# 2nd International Workshop on Multisensory Data and Knowledge (MDK)

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## CCS CONCEPTS

• Information systems → World Wide Web; Web mining.

## KEYWORDS

Multisensory, data, knowledge, smell, music, workshop, Web

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## 1 INTRODUCTION

Our senses are the gateways to our memories and emotions. However, they are under-represented in language technology and web research. In this workshop, two currently ongoing H2020 projects, Odeuropa<sup>1</sup> and Polifonia,<sup>2</sup> teamed up to advance our understanding of how smells and music are represented in texts, images and structured data. This workshop addresses topics such as extracting

references to smells and music, with contextualised information such as time, place, actor, event and circumstances (i.e. sensory information) from unstructured sources (text, images, audio etc.) as well as their available metadata, data describing their cultural, historical and political context, and model them as interlinked knowledge graphs. This research has a strong interdisciplinary character, hence the workshop has the potential to attract researchers from diverse disciplines such as social sciences, humanities, and computer science. The workshop's potential impact areas include: preservation, valorisation, and data-driven policy-making in cultural heritage, urban planning, artistic performances, applications for scholars in musicology and history, applications for museums, teaching innovations, and maintenance and exploitation of large catalogues, archives and libraries. The key workshop goals are:

- (1) Bringing together researchers from diverse disciplines from both social sciences and humanities and computer science (in particular, Web Content Mining, Web Search, Social Web, AI, NLP, Computer Vision) working on sensory mining, representation and applications;
- (2) Advance the state of the art in application domains such as: preservation and valorisation of cultural heritage, data-driven policy making in cultural heritage, urban planning, artistic performances, applications for scholars in musicology and history, applications for museums, innovation in teaching, maintenance and exploitation of large catalogues, archives and libraries;
- (3) Creating a reference venue where new ideas and results can be shared and lead the way towards a technological and cultural shift in how we understand and experience our cultural heritage on the Web.

<sup>1</sup><https://odeuropa.eu/>

<sup>2</sup><http://www.polifonia-project.eu>

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