

Report on Music Diversity and Circulation in Europe

DOI: 10.5281/zenodo.6465114

Daniel Antal, CFA, Reprex & University of Amsterdam
Scanga, Cateriana, PhD, Scuola Superiore Sant'Anna
Molina, Andrés GJ, PhD, Reprex

2022-04-16

Abstract

The *Feasibility study for the establishment of a European Music Observatory* (in short: EMO Feasibility Study)¹ has identified four critical data gaps related to the diversity and circulation of European music. This is a key business planning and policy problem, and of course, a serious shortcoming for better music research in Europe, that we will aim to resolve in a fully reproducible manner.

In the last decade, the evidence-based policy movement gained significant traction in Europe as well as globally. Its focus has been to increase the rigour of the evidence generated, to improve the credibility and understandability of evidence created for policy purposes. As evidence-based policies often rely on scientific evidence, the evidence-based policy movement went hand in hand with the efforts to increase the transparency and reproducibility of scientific research (See: (Munafò et al. 2017) and in an EU context (J 2015; Commission et al. 2020; European Commission and Directorate-General for Research and Innovation 2020).)

Our Report on Music Diversity and Circulation in Europe, and its supporting document, Music diversity and circulation: Novel data collection methods and indicators² will follow the Open Policy Analysis Guidelines and the best practices of the European Union's Knowledge For Policy and the European Open Science Cloud portal.

The current version of the *Report on Music Diversity and Circulation in Europe [outline]* is a research planning document that sets out our 9 transparency criteria following the best practices (Level 3) of the *Open Policy Analysis Guidelines*, and provides some illustrations on how a “live policy document” works with a few reproducible datasets³. If our Proposal is successful and gets funded, the document will start to contain reused data from 2023, new data from 2024, and can be first read as draft policy document in the summer of 2024.

Report Outline

For full reproducibility, following the Open Policy Analysis guidelines, this deliverable is a “live policy document” that will aim to be first useful for the reader in the calendar year 2024, but will integrate data as they appear in the pipeline from the inception of the project (and illustration data at the Proposal Stage).

The **Report on Music Diversity and Circulation in Europe** describes the policy context regarding music diversity and circulation in the target countries in particular, and in Europe in general. It also describes the pilot study design, implementation, and results. Lastly, it analyses the transfer potential of the pilot study to other European music ecosystems, as a new best practice. It is designed to be readable as a stand-alone deliverable, but the data it presents will also be integrated into the Digital Music Observatory (D5.1).

¹Feasibility study for the establishment of a European Music Observatory (European Commission et al. 2020).

²Music, Society, and Citizenship: Novel data collection methods and indicators (Antal, Edwards, and Garcia 2022)

³Report on the European Music, Society, and Citizenship [outline] ([report__music__diversity__circulation?](#))

Subjects: Cultural diversity policies; Music industry Recommender systems (Information filtering)

Open Policy Analysis Requirements (Level 3)

Open Output

1. **Ensure unified output by defining the most appropriate format for the report before publishing, and justifying changes to format output across reports.** Best practice: A detailed description of output is provided, including a sample output published pre-release of final results, using version control within and across reports
2. **Establish a clear link between input and output by displaying how the output changes under different assumptions.** Best practice: An interactive tool allowing for adjusted inputs is provided, and its underlying code shares the same key sections of code behind the analysis section.

Open Analysis

3. **Provide clear accounts of all methodological procedures in a way that is easily interpreted by an informed reader.** Code is clearly documented into a dynamic document, or open notebook. No spreadsheets. Our Methodologies are part of our Proposal, and they can be found as dynamic document on the Github repo github.com/dataobservatory-eu/report-european-music-economy, and versions with metadata and DOI of the methodology document on the Zenodo open science repository under the title Digital Music Observatory.
4. **Share raw (or analytic) data and materials in a way that the analysis is reproducible with minimal effort.**
5. **Share an open report that includes clear accounts of all methodological procedures, data, and assumptions.** Best practice: All project components are organized in a selfcontained folder using a Standard File Structure (SFS), and a readme file is included. We place all files with SFS on the European open science repository Zenodo on zenodo.org/communities/music_observatory/.

Open Materials

6. **Standardize the file structure so that materials are organized in a way that is accessible to an informed reader.** Best practice: All project components are organized in a selfcontained folder using a Standard File Structure (SFS)—for this project: github.com/dataobservatory-eu/report-music-society-citizenship; and a readme file is included (for this report, here).
7. **Label and document each input, including data, research, and guesswork.** Best practice: List all inputs, their sources, and provide links or detailed references. We use DublinCore and DataCite mandatory and recommended descriptive metadata to provide not only full bibliographic reference, but also full findability and interoperability, and clear reuse conditions.
8. **Ensure that code/spreadsheets are reproducible.** Best practice: *For code:* Code is easily readable and possible to run with just one click. *Spreadsheets* are published with the code, and the code re-creates the spreadsheet from the latest data on one click. New runs are placed in the Digital Music Observatory community space on Zenodo, like our Harmonized Cultural Access & Participation Dataset for Music.
9. **Use a version control strategy.** Best practice: All team members use version control software and track changes in a shared project repository. This document is placed in a version controlled repository github.com/dataobservatory-eu/report-european-music-economy

References

Antal, Daniel, James Edwards, and Andrés G. J. Garcia. 2022. “Music, Society, and Citizenship: Novel data collection methods and indicators.” Zenodo. <https://doi.org/10.5281/zenodo.6464933>.

- Commission, European, Directorate-General for Research, Innovation, L Baker, I Cristea, T Errington, K Jaško, et al. 2020. *Reproducibility of Scientific Results in the EU : Scoping Report*. Edited by W Lusoli. Luxembourg: Publications Office of the European Union. <https://doi.org/doi/10.2777/341654>.
- European Commission, Directorate-General for Education, Youth, Sport and Culture, M Clarke, P Vroonhof, J Snijders, A Le Gall, B Jacquemet, et al. 2020. *Feasibility Study for the Establishment of a European Music Observatory : Final Report*. Publications Office of the European Union. <https://doi.org/doi/10.2766/9691>.
- European Commission, and Directorate-General for Research and Innovation. 2020. *Progress on Open Science Towards a Shared Research Knowledge System. Final Report of the Open Science Policy Platform*. Luxembourg: Publications Office of the European Union. <https://doi.org/10.2777/00139>.
- J, Wilson. 2015. *Evidence-Based Policy Making in the European Commission*. Edited by Elisabeth Lannoo. CIC Report 7440. Oslo (Norway): CICERO Centre for International Climate; Environmental Research. <http://www.cicero.uio.no/en/posts/news/report-from-science-to-policy-how-to-improve-the-dialogue/>.
- Munafò, Marcus R., Brian A. Nosek, Dorothy V. M. Bishop, Katherine S. Button, Christopher D. Chambers, Nathalie Percie du Sert, Uri Simonsohn, Eric-Jan Wagenmakers, Jennifer J. Ware, and John P. A. Ioannidis. 2017. “A Manifesto for Reproducible Science.” *Nature Human Behaviour* 1 (1): 0021. <https://doi.org/10.1038/s41562-016-0021>.