

BIG DATA FOR ALL



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The [CCSI Data Observatory](#) aims to be the go-to point for the cultural and creative sector and industry data. We want to help creative businesses, policy-makers, film funds, cultural heritage organizations, and civil society organizations with their data problems. Such organizations in Europe usually have a small team, often made of freelancers. Most of them have no data scientists or data engineers (and could not afford them). They usually do not even have in-house IT, or it has a very limited capacity.

[Reprex](#) is a Hauge-based impact startup currently developing the prototype of a decentralized, modern, web 3.0-compatible. We are collecting and processing our users' hard-to-get data and information in 20 countries. Our live prototype, the [Digital Music Observatory](#), has successfully solved several countries' complex problems (e.g. valuing and pricing music, providing evidence on piracy, predicting audiences, and finding algorithmic biases against small-country artists.) Our product/market fit was validated in the world's 2nd-ranked university-backed incubator, the Yes!Delft AI+Blockchain Lab. We further developed the idea in the JUMP European Music Market Accelerator and are currently a finalist in the international impact innovation competition, The Hague Innovators Challenge. In 2022, our Digital Music Observatory collaboration won a Horizon Europe Research and Innovation Grant and three **Creative Europe** grants.

We realized in 2021 that most of the hard-to-get and difficult-to-process information sources of music are identical or very similar to those in film, gaming, books, and even fashion. We created a consortium with some of our partners in the music observatory (notably, the [Institute for Information Law Research](#) or the University of Amsterdam, and Europeana, the EU's cultural heritage harmonization body) to launch a broader data observatory for the cultural and creative sector. We would like to use our PPP funding consortium experience, data governance experience, and excellent EU tendering track record of building a broader sister observatory for our music observatory.

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1. We want to help cultural organizations with top-notch market research, for example, survey recycling, big data collection, and reuse of not-yet-processed public sector data to provide a much better value-for-money service. We can also place the research data into innovative apps, such as audience prediction with machine learning.

2. Make the digital presence of our creative partners more visible and usable in the era of **web 3.0**. Harmonize their website and information automatically with global knowledge graphs, and place their research material, films, 3D objects, and catalogs into international knowledge databases and web services to create a much **more significant impact**.

3. Test if autonomous, AI-driven applications (such as music, film, or book streaming platforms, library recommender systems, and search engines) find their content, understand it well and **recommend it to the correct audiences**. Big data and AI create many inequalities and usually place European creative enterprises, particularly from smaller countries, in a disadvantageous position vis-a-vis American or



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English-language productions. With our world-class research partners in metadata and algorithmic biases, we improve.

4. Provide so-called '[smart policy documents](#),' such as business or policy dashboards, newsletters, and advocacy reports that automatically refresh their international comparative data, its visualizations, and legal and official policy document references. We automate the work of an eminent research assistant: we find the correct version of data in your documents and remind you of outdated legal or policy references. We place your research on web 3.0 knowledge graphs so that the document will search for its appropriate audience and significantly increase your dissemination and advocacy outreach.

Data observatories

More than 60 EU, UN, or OECD-recognized data/social science observatories worldwide exist. They are public-private partnerships among businesses, consultancies, policy- and knowledge organizations, NGOs, and academic research institutes. They ensure the continuity of data collection, processing, and dissemination in various sectors. Their role is vital in balancing big data inequalities: usually, only the largest corporations, best-endowed universities, and advanced governments can sustain significant and systematic data collection programs without partners. Sharing collection and processing costs allows city ecosystems, smaller enterprises, or researchers outside global knowledge centers to remain competitive.



Open collaboration

1. We would like to find new partners to **optimize their market/academic research**, or **digital heritage production/publication** with modern data science.
2. We are looking for partners who want to get involved in **methodological innovation** (supported by national or **Horizon Europe** grants) in survey recycling, digital rights management, and the distribution of conventional and 3-dimensional cultural objects.
3. Also looking for partners to help **develop and test our connected, open-source tools** for releasing digital cultural objects on global knowledge graphs and make the innovations of 21st-century data science and engineering even in microenterprises or civil society organizations to combat the inequalities of big data and unethical AI. Such projects are ideal candidates for **Creative Europe grants**.
4. We are looking for **a forward-looking city and a local art/media tech scene**, possibly with an existing knowledge lab or a recent European cultural capital history, **to host our developing observatory** and gain EU or UNESCO recognition for the project. [Reprex](#) has the know-how to develop a PPP in such an ecosystem, develop the data governance plan, and obtain financing.



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