



Time
Machine

Time Machine

7.11.2019

Finland's agenda in the massive European flagship project

What is the Time Machine?

- Gigantic European project initiative aiming at next Horizon program (2021 →)
- International network aiming to be key European actor on digital cultural heritage



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“We will create a **sharp increase** in the demand for digital and traditional humanists and social scientists at a time where these disciplines and corresponding university degrees do not guarantee jobs in these fields. Also, we will **promote and create jobs for the new profession of Digital Humanities expert.**”



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1950 1960 1970 1980 1990 2000 2010

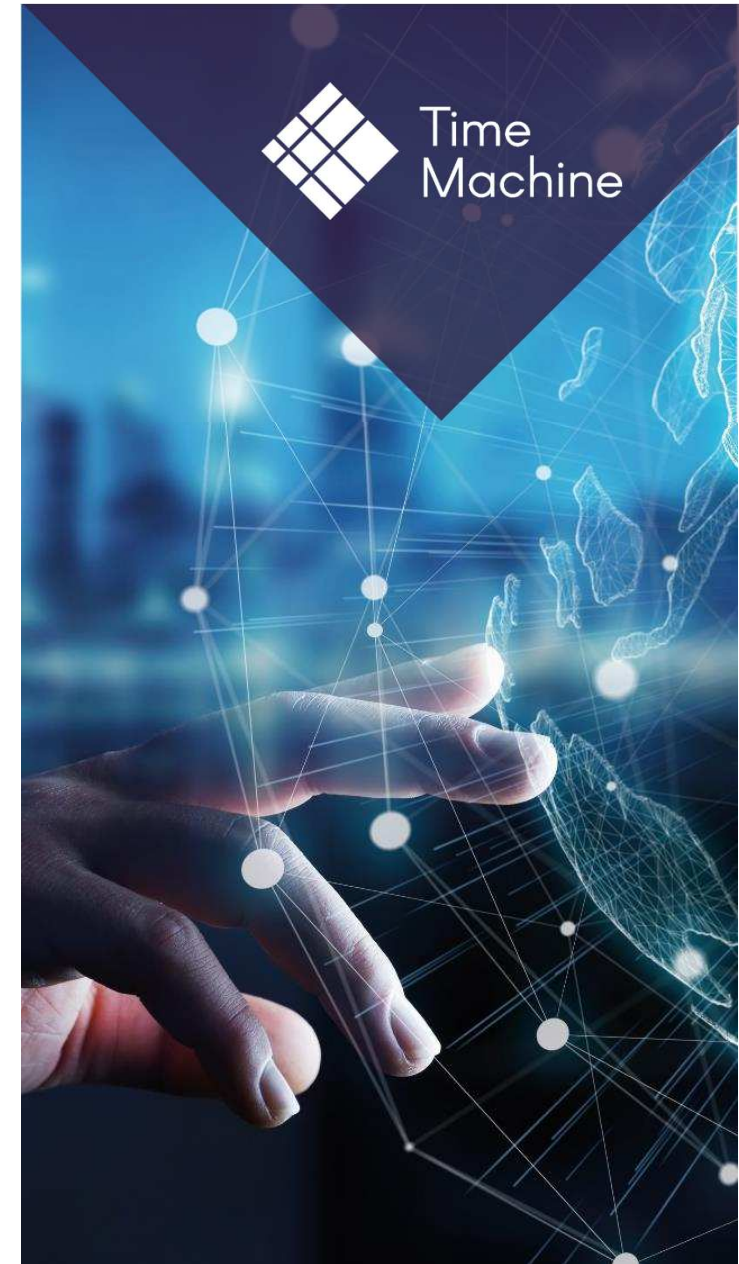
2020 2030 2040 2050 2060 2070 2080 2090

Time Machine Project Initiative

Building the Big Data of the Past

Time Machine Initiative

- Competing for a maximum funding of one billion euros
- Funded by the European Commission and participating organisations
- The project is intended to begin in 2021 and last for about 10 years
- Time Machine CSA is preparing the final proposal
- Led by the Swiss Federal Institute of Technology (EPFL) in Lausanne



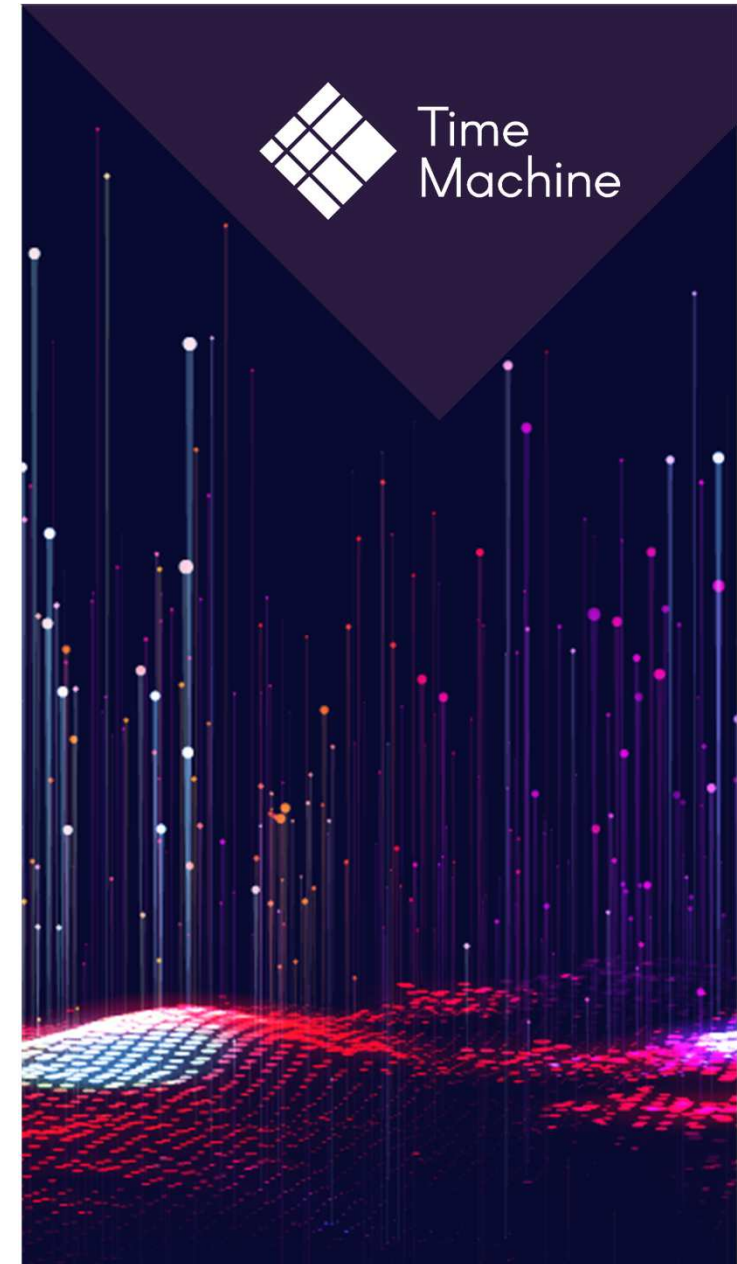
Intended Outcomes of the Time Machine Initiative

- Development of completely new technology and workflow that enables digitizing large portion of European cultural heritage during our time
- Building the "big data of the past" by utilizing OCR, HTR and pattern recognition
- Creating AI based technology that enables the utilization of the big data of the past in different fields of society



Time Machine Is ...

- An international **collaboration** to bring 5000 years of European history to life
- Digitising millions of **historical documents**, paintings and monuments
- The **largest** computer simulation ever developed
- An **open access**, interactive resource



Time Machine Will ...

- **Revolutionise** education, culture, media, tourism, policymaking and legislation
- Give historical data **new relevance**
- **Contextualise history** through advanced AI
- **Modernise the institutions** that archive Europe's history





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Time Machine Organisation (TMO)

Future Leading Network of Science, Technology and Cultural
Heritage

Time Machine Organisation (TMO) is a network

- ...led by the International Centre for Archival Research ICARUS
- ...whose members are participating or supporting the upcoming TM Project
- ...which continues to function regardless of the fate of the Time Machine Project



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“We will develop tools, forms of analysis and modelling procedures that combine **Big Data** from multiple sources to explain phenomena that extend over large periods of time, and/or affect extended regions of populations.”

Who Can Participate?

Participation is open to all members of the Time Machine ecosystem, who, thus, have the means to participate in:

- the governance of Time Machine
- the definition of research and innovation actions
- the implementation of these actions
- the development of new initiatives in relation to common interests

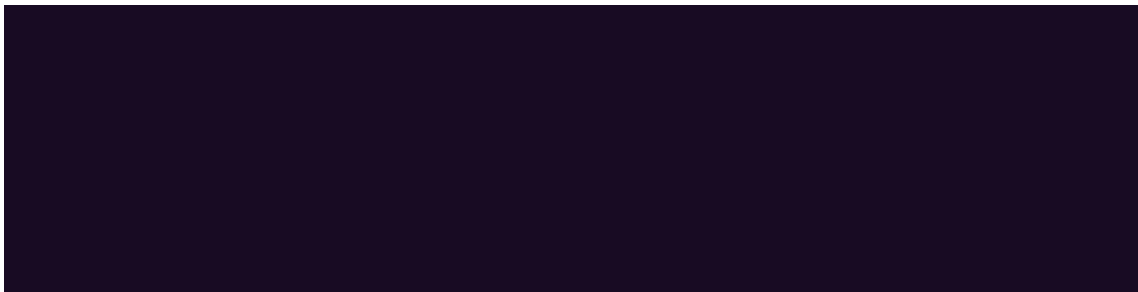


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“With the Time Machine Organisation we provide the institutional framework ensuring economic independence as well as cross-sectoral communication and partnerships.”

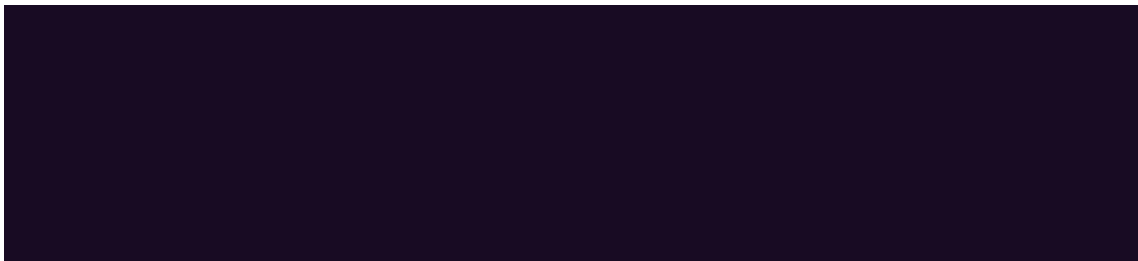
Time Machine Members in Europe

- 300+ member organisations from 32 countries
- GLAM's
- 100+ European universities and other research institutions
- Private businesses and third sector organisations



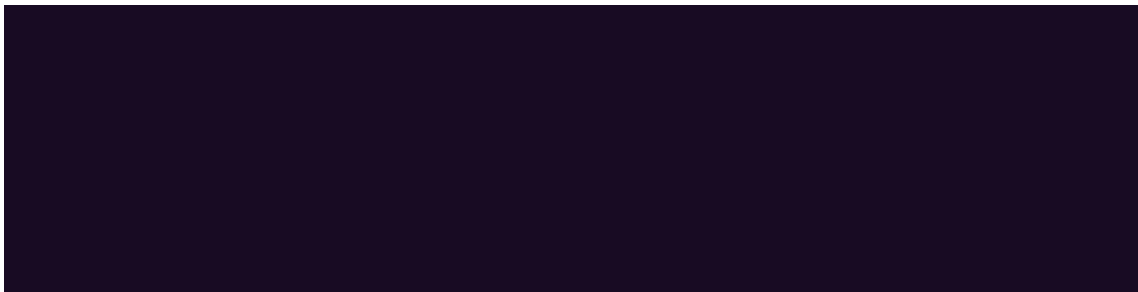
Time Machine Members in Finland

- Aalto University
- Citynomadi Oy
- Finnish Museums Association
- Music Archive Finland
- National Archives of Finland
- National Library of Finland
- National Museum of Finland
- Open Knowledge Finland
- Svenska Litteratursällskapet (SLS)
- University of Helsinki (HELDIG)



Finland's Agenda

- Finland's agenda in Time Machine is to be creative, competent and reliable force in the project and in TMO network
- Our aim is to do our bit in making this project happen and be part of this outbreak of cultural heritage



TMO Membership Categories

- **Founding Members**
 - Entry fee 10 000 € + membership fee 2000 €/year
 - Guaranteed partnership in TM Project
- **Regular Members**
 - Membership fee 500 €/year
 - Possible partnership in TM Project
- **Associated Members**
 - No fees
 - Observer/supporter status



Learn more of membership categories
and registration:



<https://www.timemachine.eu/membership/>



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“We want to **innovate access** to cultural heritage by creating participatory platforms, allowing for a ‘**polyvocal history**’, that also includes citizens’ perspectives on the places and information that is relevant for them and their lives.”

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Is This Our Last Chance?



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Thank you for your attention!

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The National Archives of Finland

timemachine.eu



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@TimeMachineEU



timemachine.eu/trailer