



Réf. UGA : 2023-0838

DATA TRANSFER AND USE AGREEMENT

ITinHERITAGE

BY AND BETWEEN

UNIVERSITY GRENoble ALPES, a French public University having its registered office located at 621 avenue Centrale, Domaine Universitaire de Saint-Martin d'Hères, CS 40700, 38058 Grenoble Cedex 9, France, SIRET no. 130 026 081 000 13, code APE 8542Z, represented by Yassine LAKHNECH, acting in his capacity as President and duly authorised for the purposes hereof ;

hereinafter referred to as "**UGA "the Recipient"**",

Acting in the name and on behalf of the Laboratory GROUPE DE RECHERCHE SUR LES ENJEUX DE LA COMMUNICATION (**GRESEC**), located at Institut de la Communication et des Médias (ICM), 11 Av. du 8 Mai 1945, 38130 Échirolles, FRANCE, headed by Mr. Benoit LAFON,

hereinafter referred to as the « **Laboratory** ».

AND

Xxxxxxxx

hereinafter referred to as the "**Partner**",

UGAThe Recipient and the Partner are collectively referred as the « **Parties** » and solely referred as the « **Party** ».

WHEREAS :

The Laboratory conducts research in Information and Communication Sciences. The Gresec Laboratory is a team organized around four themes, referred to as scientific axes: Axis 1, Industrialisation of culture, information, and communication; Axis 2, Communication, media, and social fields; Axis 3, Info-communication systems in transformation; Axis 4, Knowledge, Information, Document (CID).

The Partner specializes in the field of the Computer science history, the museal aspect and the role of the digital tools within the education field.

The Partner is owner of databases hosting the inventory of the NAM-IP museum (computer



artefacts and related items such as accessories, technical documentation, software). This inventory are documented based on recommended practices and also include watermarked pictures showing the artefacts from different angles. The inventory is hosted using Collective Access, a well-maintained open-source software for cataloguing and publishing museum and archival collections with a private backend and a public web interface. See Annex 1 for details.

The Parties ~~parties are working together as part of the wish to co-construct the~~ **ITinHeritage** research project, coordinated by Caroline DJAMBIAN, senior lecturer in Information and Communication Sciences, hereinafter referred to as the « **Project** ».

It aims to enhance the tangible and intangible heritage of “Information Technologies” through the following scientific issues:

- ~~What is Information Technologies (IT) heritage? It is a step of general interest to look at this heritage to understand today's and tomorrow's world; to safeguard and enhance IT heritage.~~
- The *ITinHeritage* project aims to support IT Museums, signatories of the present convention, in their cultural and ethical mission, by developing access to the knowledge carried by the artefacts of the IT museums collections, promoting the partner museums.
- Through a global approach, the *ITinHeritage* research project will encourage the transfer, appropriation, and creation of knowledge and cultures of IT.
- The project studies the heritage of information technology (IT) to understand the world of today and tomorrow, particularly through the prism of Artificial Intelligence and its impact on society.

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Deliverables of *ITinHeritage* project:

- ~~A platform dedicated to IT heritage enhancing museums' collections on the semantic web~~
- Harmonisation, standardization, and synchronization, followed by openness depending on the licenses chosen by each partner, it will open of the metadata of the museums' collections signatories of the convention.
- A platform dedicated to Information Technology (IT) heritage enhancing museums' collections on the semantic web.
- ~~The broadcasting of the metadata from the inventories of the partners' collections to all audiences and their link them to other web resources (Linked Open Data), and facilitating the transmission and creation of knowledge around the artifacts, by building a knowledge graph that complies with semantic web standards.~~
- The integration with ~~European and other~~ well-known open data initiatives ~~will to~~ increase the visibility of the collections, for partner museums wishing to do so, and the transmission of knowledge in the field integration in the Digital Humanities movement.
- ~~A~~ The knowledge modelling of IT heritage through a diachronic domain ontology built from partner museums' collections metadata, humanly and with the help of text and data mining tools such as Generative Artificial Intelligence models (i.e. Large Language Models (LLM)).
- ~~The platform will be structured by knowledge graphs and ontologies modelling diachronically the knowledge of the domain and allowing the link between the databases of the museums' collections signatories of the convention, and the web.~~
- ~~A multilingual and multimedia IT dictionary built from the collections~~

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will support the ontologies and participate in the creation of knowledge around the artefacts.

- A historical and foresight analysis of the technological evolutions, practices, and societal impacts of IT heritage as a tool for a societal transformation through its practices, through the prism of AI, and with the help of AI models, built and trained partly on metadata from partner museums, by text and data mining methods. It aims to support the consortium's scientific study and publicize the results of the project's scientific work to the general public, via the web platform or by staging it in partner museums that so wish, for example, by setting up themed seminars or Virtual Reality (VR) tools.
- Intelligent sensory virtual environments (SIVE) will allow original environments to be recreated and preserved, expert practices to be observed and their knowledge modelled, and an immersive experience to be offered to the public.

The Project ~~as has~~ two main goals:

- the creation of an international network of Science or Information Technology museums, working in conjunction with an international and interdisciplinary network of Digital Humanities scientists; ~~the creation of a network supporting the different Museums members of the Consortium;~~
- the creation of a scientific research project ~~the second one is to contribute to a scientific project developed and managed backed by UGA~~ the Recipient.

In this context, the Partners agree to provide data to the JTinHeritage project UGA ~~the Recipient~~ and all information necessary for the conduct of its work, for using it for the Project, under the terms and conditions defined in this agreement.

The Parties henceforth wish to set the terms and conditions for the transfer and use of the data as well as their respective rights and obligations therefrom, by means of this agreement (hereafter the "Agreement").

THE PARTIES HEREBY AGREE:-

❖ ARTICLE 1 - DEFINITIONS

In this Agreement, the following expressions shall have the following meanings:

By *Agreement*, we mean the package constituted by this Data Transfer Agreement, its Annexes, and any amendments thereto.

Background, ~~means~~ any and all technical and/or scientific information and knowledge, including know-how, trade secrets, commercial secrets, data, databases, software, files, plans, diagrams, drawings, formulae, and/or any and all other type of information, in any form whatsoever, whether patentable or not, patented or not, and all related rights, necessary for the execution of the Project, belonging to a Party or held by it prior to the Effective Date of the Agreement or independently of the work or completion of the Project, and on which the Party holds rights of use.

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The Parties' Background needed for the Project as of the Effective Date of the Agreement is specified in Appendix 1.

During the performance of the Agreement, each Party is responsible for advising the other Parties, in writing, of the creation of further Background for the Project and for proving, where applicable, the latter's independence vis-à-vis the Project. In this case, Appendix 1 shall be supplemented.

By *Confidential Information*, we mean any and all information and/or data, in any form and of any nature whatsoever, including in particular all written or printed documents, all samples, models and/or knowledge, whether or not patentable, that is disclosed by a Party to the other Party under the Agreement, subject to the disclosing Party having clearly and unambiguously stated its confidential nature or, in the event of oral disclosure, that the disclosing Party states its confidential nature orally when it is disclosed and confirms such nature in writing within 30 (thirty) days.

By *Data*, we mean ~~data-bases~~databases (including but not exclusively data base of images, audio documents, texts, and videos) and Metadata transferred by the Partner to ~~UGA~~the Recipient and described in Annex 1 of the Agreement.

By *Metadata*, we mean textual and multimedia information (including hyperlinks) that may serve to identify, discover, interpret and/or manage Data.

Open Source Software, we mean software under Free software license or under Open source license. Free software license shall mean any license meeting the criteria defined by the Free Software Foundation (<http://www.fsf.org>). Open source license shall mean any license adhering to the principles defined by the Open Source Initiative (<http://www.opensource.org>).

By *Program*, we mean the research program requiring the transfer of the Material described in Annex 2.

By *Results*, we mean any and all technical and/or scientific information and knowledge, whether actually patented or not, patentable or not, including know-how, trade secrets, data, databases, software (in its source-code or object-code version), files, plans, schematics, drawings, diagrams, designs, formulas or any and all other type of information, in any form whatsoever, and all the related rights, that are developed by one or both Parties or their subcontractors pursuant to the Agreement.

By *Own Results*, we mean any and all technical and/or scientific information and knowledge, whether actually patented or not, patentable or not, including know-how, trade secrets, data, databases, software (in its source-code or object-code version), files, plans, schematics, drawings, diagrams, designs, formulas or any and all other type of information, in any form whatsoever, and all the related rights, that are developed by one Party alone during the Project.

By *Common Results*, means any and all technical and/or scientific information and knowledge, whether actually patented or not, patentable or not, including know-how, trade secrets, data, databases, software (in its source-code or object-code version), files, plans, schematics, drawings,



diagrams, designs, formulas or any and all other type of information, in any form whatsoever, and all the related rights, that are developed jointly by both Parties during the Project.

By *Staff*, we mean public service agents, full-time or part-time employees, affiliates, subcontractors, temporary staff, trainees of the Recipient.

❖ **ARTICLE 2 - PURPOSE OF THE AGREEMENT**

The purpose of this Agreement is to organize the terms and conditions for the transfer and use of the Data transmitted by the Partner to Uga the Recipient under the Project.

❖ **ARTICLE 3 - DURATION**

This Agreement shall become effective as from the date of its signature by all the Parties and for a duration of fifteen (15) years.

❖ **ARTICLE 4 - TRANSFER OF DATA**

4.1. The Scientific Managers of the Party on the one hand and of Uga the Recipient on the other hand in charge of the Data transfer are identified by the Parties in Annex 2. The Annex 2 shall specify the name, version, format and type of content for every Data transferred. It shall also specify the date of the Data, and the date of the transfer.

4.2. The Scientific Manager of the Partner will send the Data in XML, ~~or~~ CSV or RDF format, by e-mail to the project's scientific leader, uploaded via API or deposited on the project's GitLab.

Other formats may be accepted, after the written agreement of the Scientific Manager, but require additional processing.

~~Other mode~~ Another mode of transfer may be accepted after the written agreement of the Scientific Manager.

4.3. The Recipient and the Scientific Manager of the Recipient, undertake that the Data:-

- a) is used only for research purposes corresponding to the Project as annexed (Annex 2) to this Agreement unless previously authorized in writing by the Partner.
- b) is used only in accordance with the laws and regulations applicable to this type of Data.
- c) is used exclusively by the Recipient and by its staff members working on the Project and under the responsibility of the Recipient's Scientific Manager.

The Data shall remain the exclusive property of the Partner, as well as other intellectual property rights therein.

At any time, the ~~Partner~~ Partner can demand, in writing, that the Data ~~are~~ be returned to the Partner, or destroyed by the Recipient.



❖ **ARTICLE 5 - INTELLECTUAL PROPERTY**

5.1. Background

Subject to the rights of third parties, each Party retains full and total ownership of its Background.

For the duration of the Project and for the sole purpose of completing the Project, each Party grants a royalty-free, non-exclusive, non-assignable right, that may not be sub-licensed to use its Background [for the Project](#).

Any use of Background for a different purpose than the one written above, in particular but not only, use for communication to the general public, should be requested in writing to the owner, and granted by the Party owning said Background and in writing.

If the Background of one Party is needed by another Party after the duration of the Project, it should be requested in writing to the owner, and granted by the Party owning said Background and in writing.

The Parties undertake to take all appropriate measures, in particular, vis-à-vis their staff and/or any subcontractors, to enable them to grant the other Parties the rights of use and / or exploitation of their Background, under the terms and conditions provided for in this Agreement.

5.2. Own Results

The Own Results belong to the Party having created it alone.

Each Party retains full and total ownership of its Own Results.

Each Party may freely use, exploit and/or have exploited its Own Foreground.

If the Own Results of one Party is needed by another Party, it should be requested in writing to the owner. If the owner agree, Parties will determine the terms and conditions of those uses as they see it.

5.3 Common Results

The Parties undertake to take all appropriate measures, in particular, vis-à-vis their staff and/or any subcontractors, to enable them to grant the other Parties the rights of use and / or exploitation of the Joint Foreground, under the terms and conditions provided for in this Agreement.

The Common Results are the property of the Parties proportionally to their contributions, unless said Parties were to contractually agree to the related property rights being transferred to one of them.

The joint owners grant each other a right to use the Common Results a royalty-free, non-exclusive, non-assignable right (right that may not be sub-licensed), for the Project and for internal or third-parties research project and educational purposes and to modify or adapt language, format, software



languages or technical details necessary to the use of the Data, Background and Results.

Any other uses of the Joint Results or the Background of another Party shall be requested in writing. Parties will agree on the terms and conditions of those uses as they see fit, in good spirit with the purpose of the Project.

❖ **ARTICLE 6 - PUBLICATIONS**

6.1. In the event of publication or communication from a Party regarding the Data, the work carried out, and/or the Joint Results obtained, whatever the nature and medium, the prior text of such publication or communication shall be submitted to the Scientific Manager of ~~Uga~~ the Recipient written authorization no later than forty-five (45) days before the disclosure of such information or the submission of the text of this publication to the publisher. Scientific Manager may ~~authorized~~ authorizes the publication or communication under certain ~~condition~~ conditions, such as ~~a~~ request for changes or delay, in particular, if some of the information ~~contained~~ contains Confidential Information or Results.

6.2. In accordance with current scientific practice, all publications or communications relating to the use of the Data refer to the owner of the Data and its employer.

6.3. The provisions of this Article shall remain in force for the duration of this Agreement and for one (1) year following its expiry or termination.

❖ **ARTICLE 7 - CONFIDENTIAL INFORMATION**

7.1. Each Party remains the owner of its Confidential Information and may freely dispose of it.

7.2. Each Party ~~commit~~ commits, except with the prior written consent of the Disclosing Party, to:

- a. Consider Confidential Information to be strictly confidential and treat it with the same degree of care and protection provided to its own Confidential Information,
- b. not to use the Confidential Information for any purpose other than the Agreement,
- c. not to copy, reproduce or duplicate, in whole or in part, the Confidential Information only for the sole purpose ~~of~~ carrying out the Agreement,
- d. not to disclose Confidential Information to third parties,
- e. communicate Confidential Information only to members of its personnel or sub-contractors involved in the Agreement who need to become aware of it for carrying the Agreement and for the Project.

In any event, the Receiving Party shall remain liable to the Disclosing Party for compliance by its personnel with the obligations under this Article.

7.3. The recipient Party shall have no obligation and will not be subject to any restrictions with regard



to the Confidential Information for which it can demonstrate:

- a) that it has entered the public domain prior to disclosure or thereafter, but in this latter case in the absence of any fault of the recipient Party;
- b) that it was lawfully in the recipient Party's possession prior to disclosure from the disclosing Party as substantiated by documentary evidence;
- c) that it has been received from a third party authorized to disclose;
- d) that the use or disclosure has been authorized in writing by the disclosing Party; or
- e) that it has been developed independently and in good faith by personnel of the recipient Party who did not have access to the Confidential Information as substantiated by documentary evidence.

7.4. In case the disclosure of Confidential Information is imposed by the application of a law or regulation or in the context of a judicial, administrative or arbitration procedure, this communication shall be limited to the strict minimum. The recipient Party agrees to promptly inform the disclosing Party ~~in order to~~ allow the latter to take appropriate measures ~~in order to~~ preserve confidentiality.

7.5. Without prejudice to Article 5, it is expressly agreed between the Parties that communication of Confidential Information among them under the Agreement, can in no way be interpreted as conferring expressly or implicitly to the Parties receiving the Confidential Information any rights, including intellectual property rights (in the form of a license or by any other means) on the Confidential Information.

7.6. At the end of this Agreement, the obligation as regards ~~the~~ Confidential Information exchanged will continue for ~~a period of~~ five (5) years after the term or termination of the Agreement.

❖ ARTICLE 8 – FINANCIAL TERMS

The Data is provided by the Partner without any financial compensation.
There are no financial flows between the Parties.

❖ ARTICLE 9 – GARANTIES AND INSURANCES

9.1. ~~Uga the Recipient and the Project~~ accepts the Data "as is" without any guarantee of any kind whatsoever, with the exception of article 9.2.

9.2 The Partner warrants to ~~Uga the Recipient and the Project~~ that it holds all intellectual property rights to the Data. In this respect, the Partner guarantees that the Data does not infringe any patent right, copyright (moral and exploitation rights), trademark or any other third-party right. Consequently, the Partner undertakes to cover ~~Uga the Recipient and the Project~~ against any claim or action brought by the beneficiary of an intellectual property right in connection with the use of the Data.

❖ ARTICLE 10 - INTUITU PERSONAE



The Parties declare that the Agreement is concluded “intuitu personae”. Therefore, none of the Parties is authorized to transfer to a third party its rights and obligations hereunder, in whole or in part, without the other Parties’ prior written consent.

❖ **ARTICLE 11 - RESILIATION**

11.1. This Agreement may be terminated by mutual agreement of either Party by providing a 30-day notice of termination to the other Parties, or in the event of a material breach of the Agreement by one of the Parties.

11.2. In case of a material breach, the termination shall become effective one (1) month after receipt by the defaulting Party of a registered letter with acknowledgment of receipt stating the grounds for termination, except if within this one (1) month period, the defaulting Party has met its obligations.

Exercising this right of termination does not release the defaulting Party from fulfilling all of its contractual obligations up to the effective date of termination or from compensating the other Parties for any damages they may have suffered due to the early termination of the Agreement.

❖ **ARTICLE 12 - ENTIRE AGREEMENT**

12.1. This Agreement cancels and supersedes any previous written or oral agreements and understandings between the Parties with regard to the same subject matter, and constitutes the Parties’ entire agreement as to such subject matter. No addition or modification of the terms of the Agreement shall be valid between the Parties unless made in writing and signed by their duly authorized representatives.

❖ **ARTICLE 13 - INVADILITY**

If one or more of the provisions of this Agreement were found to be invalid or declared as such pursuant to a treaty, law or regulation, or following a final decision by a competent court, the other provisions shall retain all their force and scope. The Parties shall then proceed without delay to the necessary amendments respecting, as far as possible, the agreement of will existing at the time of signature of this Agreement.

❖ **ARTICLE 14 - NOTIFICATIONS**

14. Any notification, which may be made in the context of the execution or interpretation of this Agreement, shall be sent, in writing, to the following persons:

For any administrative information :



For UGA the Recipient :

Attn : Mona ROGER ~~IP Legal Counsel~~ ~~DGDRIV~~ ~~DAPIV - SPPI~~
 Nom : Université Grenoble Alpes
 Adresse : Direction Recherche Innovation Valorisation
 Adresse : Bâtiment Central
 CS 40700
 38058 GRENOBLE Cedex 9, France
 Courriel : dgdriv-ip-legal@univ-grenoble-alpes.fr

For the Partner :

Attn : ~~Yves Poulet~~ ~~President~~ ~~xxxx~~
 Name : ~~NAM IP Computer Museum~~ ~~xxxx~~
 Address : ~~Rue Henri Blès 192 A, 5000~~
~~Namur, Belgium~~ ~~xxxx~~
 E-Mail : ~~xxxxyves.poulet@unamur.be~~

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For any scientific information :

For the Recipient :

Attn : ~~Caroline DJAMBIAN~~
 Nom : ~~xxxx~~ ~~Université Grenoble Alpes~~
~~xx~~
 Adresse : ~~xxxx~~ ~~IUT2, Département IC~~
~~2 place Doyen Gosse~~
~~38000 GRENOBLE~~
 Courriel : ~~caroline.djambian@univ-grenoble-alpes.fr~~ ~~xxxx~~

For the Partner :

Attn : ~~x-xxx~~
 Name : ~~xxxx~~
 Address : ~~xxxxxx~~
 E-Mail : ~~xxxx~~

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ARTICLE 16 LITIGATIONS

16.1 The Agreement is governed by French law.

In the event of a disagreement with regards to the interpretation, the performance or the validity of the Agreement, the Parties shall endeavor to settle their dispute amicably through the Committee, and subsequently through their respective legal representatives. Should the disagreement persist beyond 3 (three) months from the date of its occurrence, the matter shall be referred to the French courts of competent jurisdiction.

Written in Saint-Martin-d'Hères, in two (2) originals copies,



UNIVERSITE-GRENOBLE-ALPES	The Partner
Monsieur Yassine LAKHNECH President <i>For the president and by delegation</i> Date : <u>Signature :</u>	xxxx Nom : xxxxx Fonction : xxxxx Date : <u>Signature :</u>

ha formattato: Francese (Francia)

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ANNEX 1 : DESCRIPTION OF DATA

Name of Database	Description	Owner(s)	License OR Use permitted for the Project	Format
NAM-IP public inventory	Artefact description through a set of filed resulting from the ontology and based on the available field, including an identification field. Extra online information provided: public URL of the artefact on the NAM-IP inventory web site and URL to access low resolution pictures of the artefact when available	NAM-IP Computer Museum	Right to publish unmodified data on centralised repository with trace information to the NAM-IP source with its identification number. Right to process data for scientific purposes with validation or even collaboration of NAM-IP scientific committee (see contact in Annex 2).	CSV, XML, XSLX or JSON



ANNEXE 2 : INFORMATIONS

1. Identification of the Parties' Scientific Officers

PARTIES	PARTNER	UGATHE RECIPIENT
NOMS :	XXXX	Caroline DJAMBIAN
ADRESSE :	XXXXX	Université Grenoble Alpes IUT2 – Département IC 2 place Doyen Gosse 38000 GRENOBLE
COURRIEL :	XXXX	caroline.djambian@univ-grenoble-alpes.fr

2. ItinHeritage research project: program description

What is Information Technology (IT) heritage? How can it be circumscribed and defined, and how can prospective visions be drawn from it? What are its technological, economic, political and societal roots and impacts, unprecedented and out of proportion? UNESCO defines IT as "the set of technological tools and resources for transmitting, recording, creating, sharing or exchanging information....". (UNESCO, 2023). Today, there are countless computerized objects, and the rapid development of IT has left little time for study. Yet looking at this heritage is crucial to understanding today's world and how society has evolved since the second half of the twentieth century. Our resolutely patrimonial approach starts with the Information Technology museum spaces. These include the Musée des Arts et Métiers (France), ACONIT (France), the London Science Museum (UK), NAM-IP (Belgium), the Museo del calcolo (Italy), the Homecomputermuseum (Netherlands) and the HNF (Germany). The ITinHeritage research project aims to conduct an epistemological reflection on the issue of IT by placing at the heart of the question of heritage the history of a societal mutation and the emergence of new knowledge in terms of representations of the world, by defining the heritage of IT, its new places of knowledge and by questioning the computerization of the world and the history of IT: the life of an IT, the emergence of a digital culture, practices and knowledge. We mobilize the new sources of knowledge arising from the major IT movements (knowledge modeling, semantic web, big data, Human-Computer Interaction, Virtual Reality) to serve their own heritage, its analysis, and the transfer of its knowledge. By developing new methods in Digital Humanities, we are working towards a 'Conservatory of Digital Professions and Practices'.

ITinHeritage: a Digital Humanities and Open Science project

Coordinator: Caroline DJAMBIAN, Grenoble Alpes University, GRESEC Laboratory.

Context, objectives, and importance of the problem:

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Is society capable of an ethical and equitable digital transformation? At a time of exponential innovation and societal permeation by Information Technology (IT), can our society control the risks of its practices? Our historical study will be conducted through the prism of Artificial Intelligence.

The *TinHeritage* project takes IT as a marker of contemporary technoscience, and AI as a techno-societal and ideological syncretism. Faced with a science in perpetual creation and acceleration, how can we draw ethical and fair practices, and define the limits of mutual respect between humans and machines? We will respond in the following 3 areas: **1. Capitalizing on the past to build the future of IT:** The primary aim of our project, which began three years ago, was to enhance and perpetuate IT heritage by gathering and harmonizing the metadata from six European IT museums into a knowledge graph, structured by a domain ontology. We aim to open up and link this heritage via a web platform built according to the paradigms of the semantic web (Linked Open Data (LOD)). **2. Contextualizing AI in the history of IT practices and impacts:** While working on the representations of the IT world and on the ways of naming them to build the *TinHeritage* domain ontology, we quickly realized that we needed to move on to the study of the practices on which these representations are based, and then to the impacts of these practices organized around IT. We would therefore like to use this heritage work as a starting point for a historical study. First, by determining our society's relationship to IT machines and scientific knowledge, the place of humans, and the new representations of the world generated by IT, a fortiori AI. Secondly, by analyzing societal issues and impacts in action through history, intrinsically linked to practices in the age of AI, and to establish ethically acceptable limits. As AI is changing not only our relationship with our world but also with ourselves, we will consider AI in terms of the ethical and epistemological issues it raises. This work will be backed by AI innovative developments complementing the work of historians of science. **3. Anticipating evolutions and risks for conscious innovations and uses:** by creating a "conscious foresight AI" respecting the values of the project and aiming to produce forward-looking scenarios of emerging technologies and their practices, particularly at risk. It will be built on current generative AI technologies to propose an innovative model of non-generative AI, more sober and sustainable for humans. Our work will be applied to various empirical fields so that it can be extended to other areas. We'll ensure the relevance, reliability, and robustness of our innovative solutions by reproducible evaluation methods. Finally, we'll build concrete educational actions toward the public for responsible techniques and practices.

European partnership networks:

1. From the heritage field: as IT heritage is the starting point for understanding contemporary technosciences and their future development, our approach is based on science and IT museums partners: London Science Museum (London, UK), Computer Museum NAM-IP (Namur, BELGIUM), ACONIT (Grenoble, FRANCE), Museo degli strumenti per il calcolo (Pisa, ITALY), Home Computer Museum (Helmond, NETHERLANDS), Heinz Nixdorf MuseumsForum (Paderborn, GERMANY), which provide us with their data. The Namur Museum (Belgium) is involved as an expert, member of the research.

2. From the entrepreneurial field: to support our fundamental research in a variety of empirical areas and make it applicable and extensible to the widest possible range of fields, we have joined forces with the AI solutions developer *noet-ia* startup, which is funding an AI thesis.

3. From an interdisciplinary academic field:

Ass. Prof. Caroline DJAMBIAN, project coordinator, Grenoble Alpes University, GRESEC Laboratory (Research Group on Communication Issues): *management and transmission of specialist knowledge, impact of digital technology.*

ERA Chair Prof. Christophe ROCHE, Savoie Mont-Blanc University, LISTIC Laboratory and Crete University (Greece), TALOS-AI4SSH- AI for Humanities and Social Sciences Laboratory: *AI, ontology, logic.*

Prof. Benjamin LECOUEUX, Grenoble Alpes University (France), LIG Laboratory: *NLP, IA.*

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[Ass. Prof. Gilles SERASSET](#), Grenoble Alpes University (France), LIG Laboratory: *NLP, IA, ontology, knowledge graphs*.

[Ass. Prof. Christophe PONSARD](#), Namur University, CETIC (Belgium): *software engineering, cybersecurity, sustainability*.

[Prof. Marie GEVERS](#), Namur University (Belgium): *computing anthropology*.

[Ass. Prof. Sylvain LAUBE](#), Brest University (France), Centre F. Viète: *History of technology, heritage of cultural industrial sensory landscape*. Co-Head of the ANR project *Lab In Virtuo*. <https://anr.fr/Projet-ANR-20-CE38-0016>

[Prof. Yves POULET](#), Namur University (Belgium), former Director of the Centre de recherche informatique et droit (CRID), expert for the Council of Europe, the European Parliament and Commission, and UNESCO:

[Freedoms relating to the information society and the Internet](#).

[Rachel BOON](#), London University (England), Head of the 'Data and Computing' collection at the Science Museum in London: *history of science and Information Technology*.

[Marie des Neiges RUFFO DE CALABRE](#), ESPHIN (Espace philosophique de Namur), Centre de recherche en information, droit et société (CRIDS), Complaints commission of Euro-ISME (European Chapter of the International Society for Military Ethics): *philosophy, IT and ethic*.

[Prof. Micaela ROSSI](#), Genoa University (Italy), Lingua e traduzione Laboratory: *Specialised languages*

ha formattato: Nessuna sottolineatura

ha formattato: Tipo di carattere: 11 pt, Grassetto, Nessuna sottolineatura

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ha formattato: Nessuna sottolineatura

ha formattato: Tipo di carattere: 11 pt, Grassetto, Nessuna sottolineatura

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