

AI literacy and the future of Records Management and Archives

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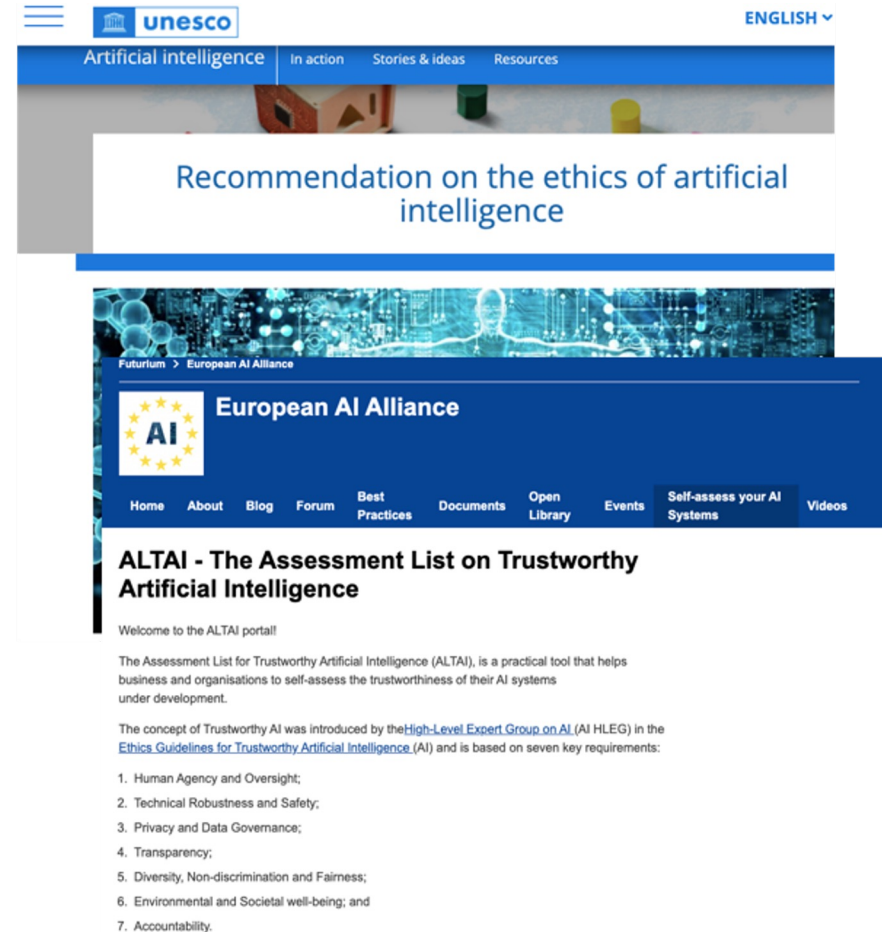
Brazil

InterPARES
TrustAI 



AI literacy, Records Management and Archives

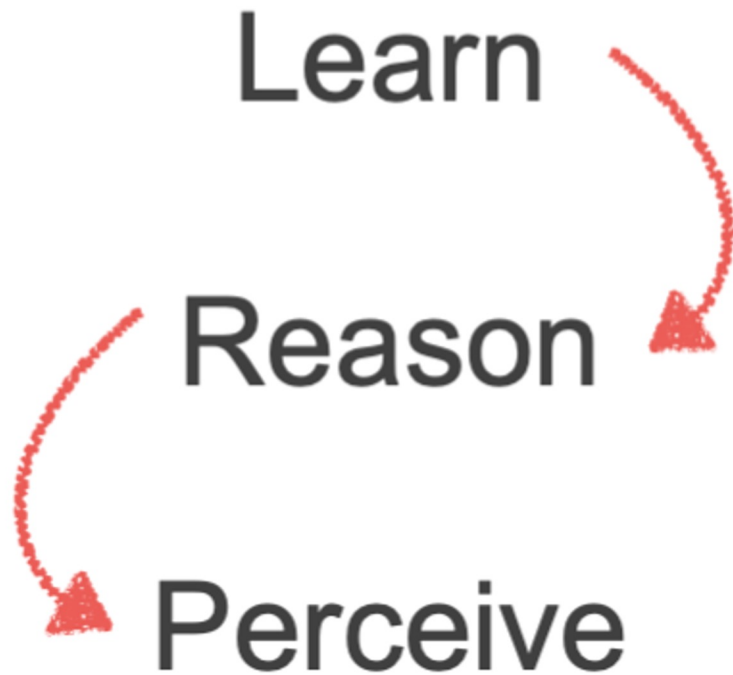
Literature review
Documentary research
Survey
Content analysis



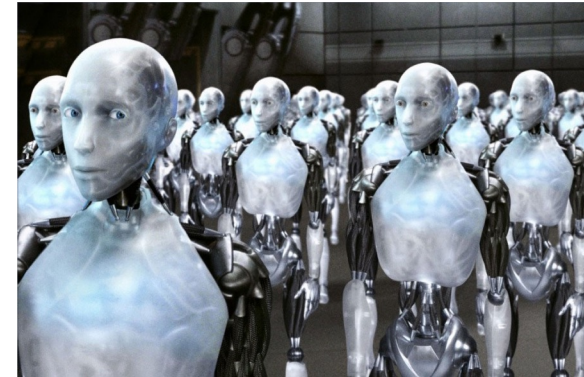


Word cloud – InterPARES TrustAI
Projects

Imitate human intelligence in machines



SCI-FI MISCONCEPTIONS



REAL APPLICATIONS



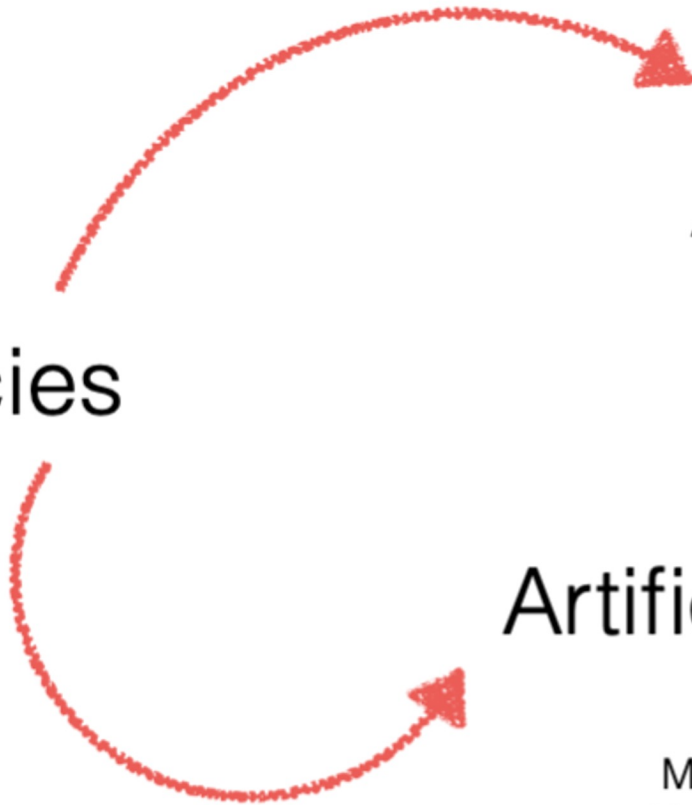
Literacies

RM &
Archives

Organization
Retrieval
Access
Mediation

Artificial Intelligence

Data / Big Data
Machine / Deep learning
Natural language Process
Computational View
Cognitive Computing
Neural Network



Literacies

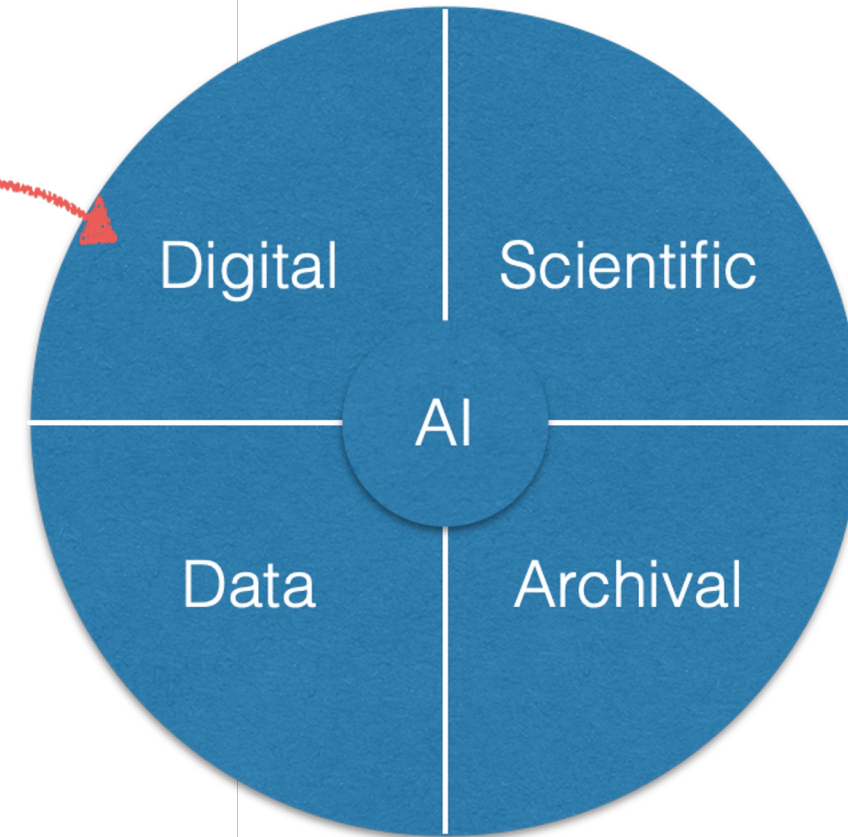
RM &
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Organization
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Cross
Competences



*AI competencies according
Long, Magerko (2020)*



- Competency 1 - Recognizing AI
- Competency 2 - Understanding Intelligence
- Competency 3 - Interdisciplinarity
- Competency 4 - General vs. Narrow

- Competency 5 - AI's Strengths & Weaknesses
- Competency 6 - Imagine Future

- Competency 7 - Representations
- Competency 8 - Decision-Making

- Competency 9 - ML Steps
- Competency 10 - Human Role in AI
- Competency 11 - Data Literacy
- Competency 12 - Learning from Data
- Competency 13 - Critically Interpreting Data

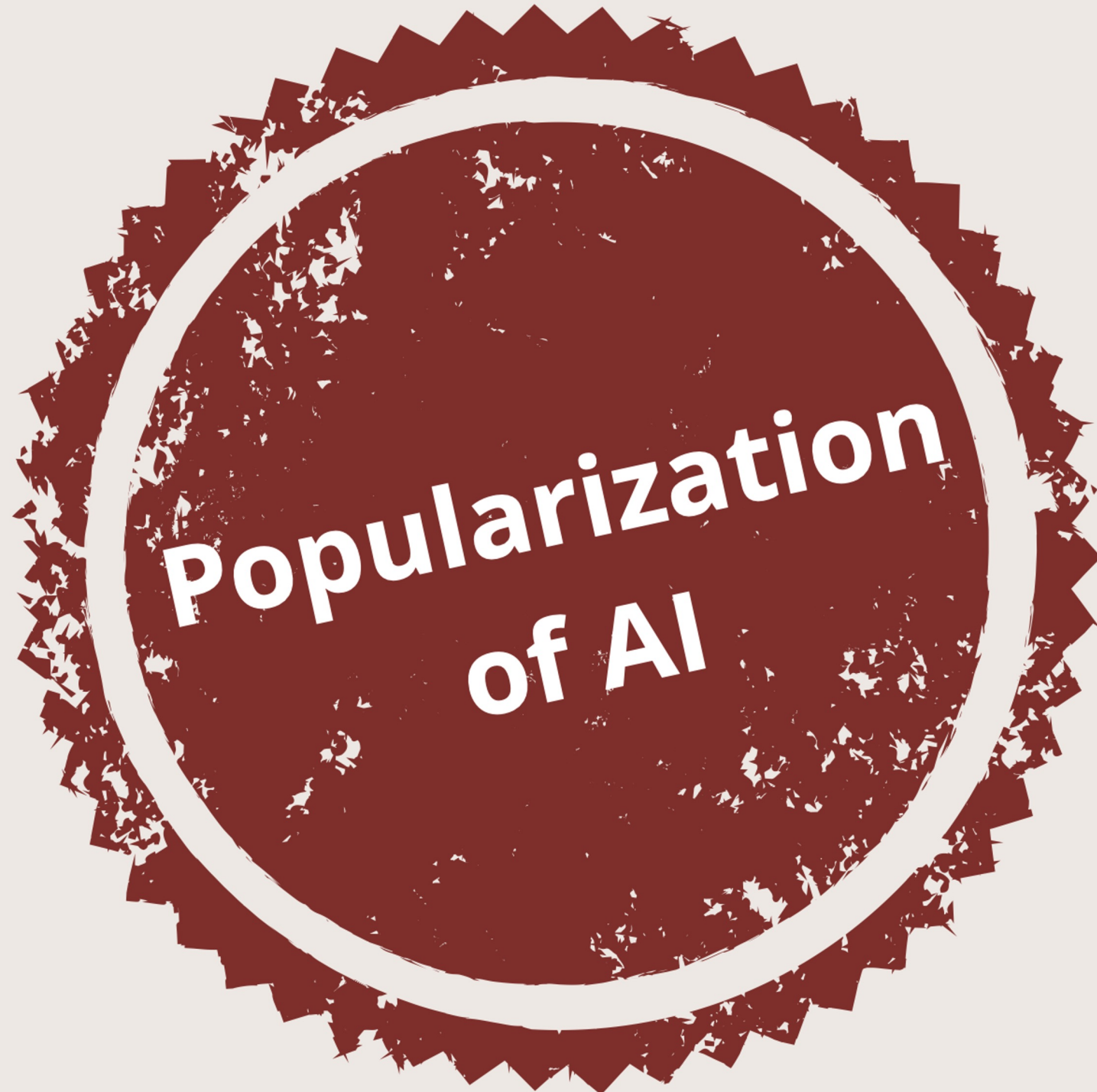
- Competency 14 - Action & Reaction (Robotics)
- Competency 15 – Sensors (Robotics)

- Competency 16 - Ethics

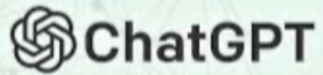
AI competencies according
Ng, Leung, Chu & Qiao (2021)



AI literacy	Definitions
Know & understand AI	Know the basic functions of AI and how to use AI applications in everyday life ethically.
Apply AI	Applying AI knowledge, concepts and applications in different scenarios.
Evaluate & create AI	Higher-order thinking skills (e.g., evaluate, appraise, predict, design) with AI applications.
AI ethics	Human-centered considerations (e.g., Fairness, Accountability, Transparency, Ethics)



UPDATES



Bard AI



MO

What is InterPARES Trust AI?



InterPARES Trust is a research project that focuses on developing strategies and methods for preserving digital records over time. AI, or Artificial Intelligence, is an important aspect of this project, as it is used to help manage and analyze digital records in order to ensure their authenticity, reliability, and accessibility over time.



InterPARES Trust AI refers to the specific use of AI technologies, such as machine learning and natural language processing, in the context of the InterPARES Trust project. These technologies are used to help manage and analyze digital records, with the goal of ensuring that they remain trustworthy and usable over time, even as technology and formats change. By leveraging AI, InterPARES Trust is working to develop new approaches to digital preservation that can keep pace with the rapidly changing technological landscape.

Regenerate response

Send a message.



Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. [ChatGPT Mar 23 Version](#)

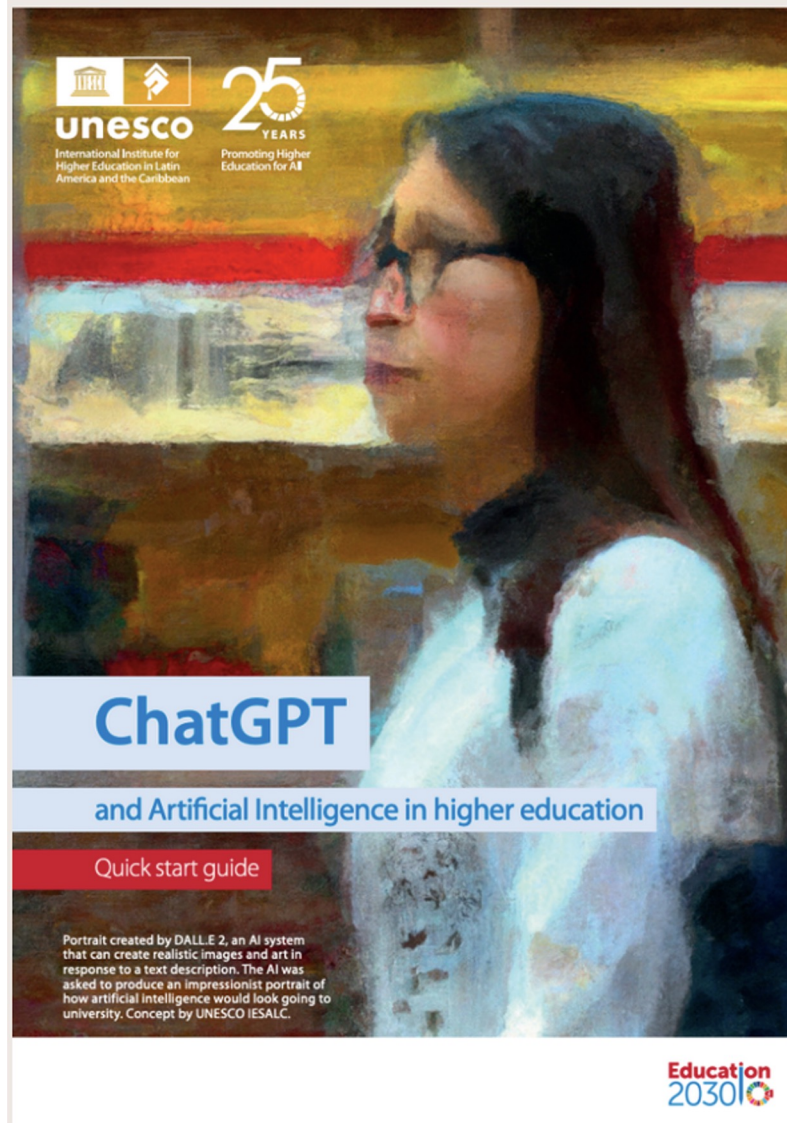
 DALL·E 2



IMAGE GENERATORS

LARGE LANGUAGE MODELS

UPDATES



NEW DOCUMENTS

UPDATES



Writing up

- Improve writing quality
- Reformat citations and references
- Translate writing



Data analysis

- Code data
- Suggest themes or topics for analysis



Research design

- Generate ideas for research questions or projects
- Suggest data sources



Data collection

- Search archives and datasets
- Translate sources into other languages

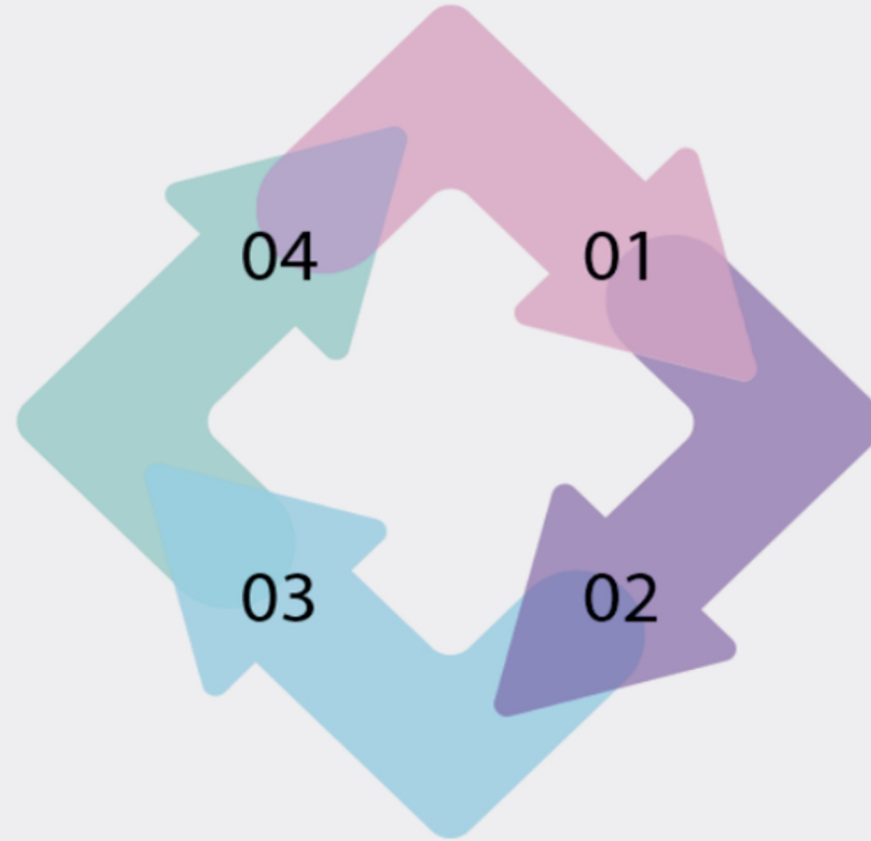
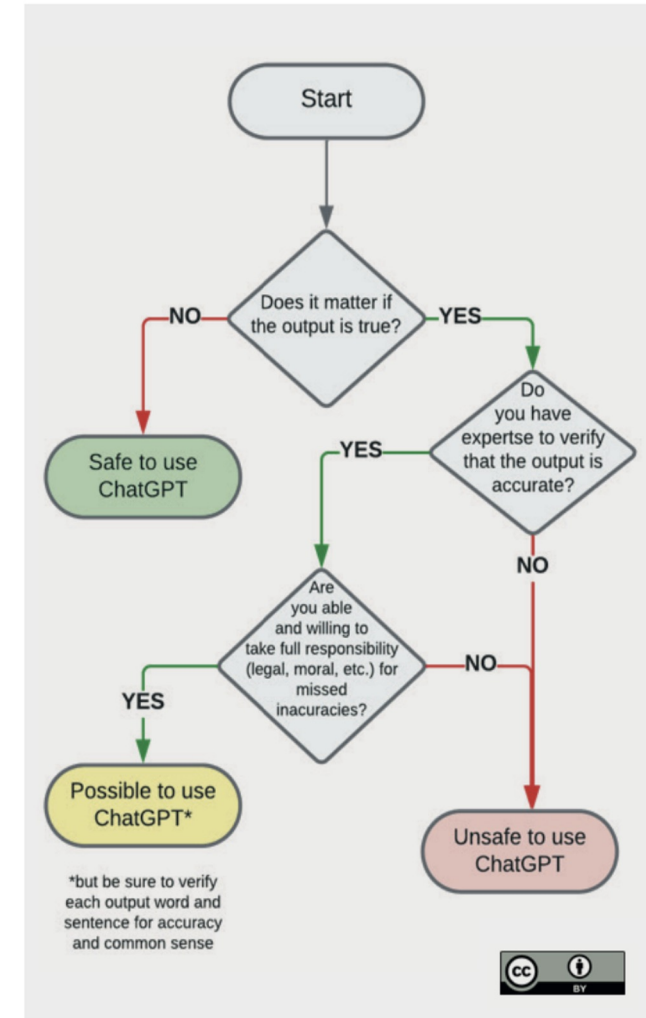


Image created by UNESCO IESALC

AI & SCIENTIFIC LITERACY

limitations

Understand that the knowledge being produced about AI will quickly become obsolete and needs to be constantly updated, for example, in the case of a plagiarism detector or AI text detector (such as GPT Zero), or prompt assistant (such as writeGPT).



Some considerations

Public understanding of AI technologies and how to define AI literacy is **under-explored**.

The most **frequent topics**: education, ethics, competences, teaching, algorithms, bias.

The importance to approach the **Data Lifecycle**: Acquisition, Cleansing, Modeling, Implementation, Optimization, Analysis, Visualization, Evaluation, Sharing, Erasing, Archiving (Grillenberger, Romeike, 2017)

Overlap of some competencies in the selected literacies (Artificial Intelligence literacy, Archival literacy, Digital literacy, Scientific literacy, data literacy). This, in fact, is something that we highlight: the approximation of these competencies, and how they can complement each other.

Understand that **it is not necessary to be an expert in all this areas**, however the level of literacy must be sufficient to collaborate with interdisciplinary projects.

Dissemination

- Artificial Intelligence Literacy In The Context of Archives and Records Management, ICA Conference, Rome, Italy, 2022
- Ciência da informação e inteligência artificial: Um caminho para arquivos e bibliotecas inteligentes - International Society of Knowledge Organization - ISKO Conference, Lisbon, 2022
- Literacia em Inteligência Artificial e Arquivologia - VII Reunião Brasileira de Ensino e Pesquisa em Arquivologia - Rio de Janeiro, Brazil, 2022
- AI literacy for access and archives preservation - Seminar “Artificial Intelligence and Archives”. The Municipal Archive of Girona, 2023
- Inteligencia artificial nos arquivos: o projeto InterPARES Trust AI, International Archives Week, Public Archive of the State of São Paulo, Brazil, 2023

More: <https://interparestrustai.org/>

SCAN ME



Thank you!

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