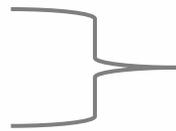- Why is AI so important (in science)
- What is the European Commission doing
- What is the proposed ERA action about

The way we approach Artificial Intelligence (AI) will define the world we live in the future
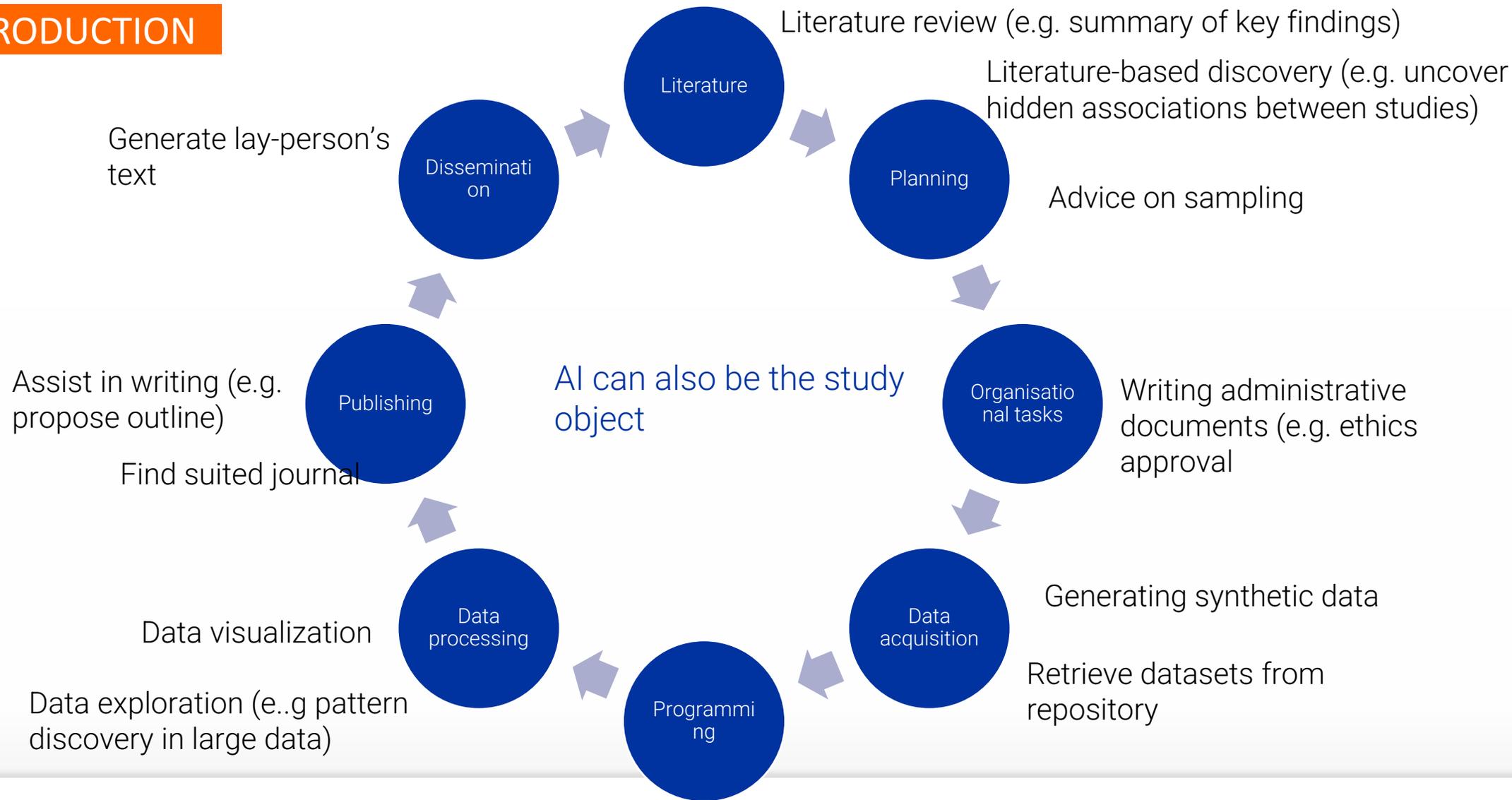
Why is AI a game changer?
- General-purpose nature
- Accessible

Ability to impact all processes, all sectors, and our daily life

European approach to artificial intelligence | Shaping Europe's digital future
Trends in the use of AI in science - Publications Office of the EU

INTRODUCTION

Literature review (e.g. summary of key findings)

Literature-based discovery (e.g. uncover hidden associations between studies)

Advice on sampling

Writing administrative documents (e.g. ethics approval

Generating synthetic data

Retrieve datasets from repository

Data exploration (e..g pattern discovery in large data)

Data visualization

Find suited journal

Assist in writing (e.g. propose outline)

Generate lay-person's text

Literature

Planning

Organisational tasks

Data acquisition

Programming

Data processing

Publishing

Dissemination

AI can also be the study object

VUB ONDERZOEK RESEARCH

VUB guidelines for responsible use of artificial intelligence for research purposes

What is the European Commission doing?

- [Coordinated Plan on Artificial Intelligence](#)
- [Regulatory framework on AI (AI act)](#)
- [Monitoring the use of AI in science](#)
- [Recommendations how to accelerate the responsible uptake of AI in science](#)
- [Living guidelines on the responsible use of generative AI in research](#)

> **Objective 1:** Accelerate the uptake across scientific fields and harness its immense potential
> **Objective 2:** Implement AI strategies and programmes
> **Objective 3:** Align AI policy to prevent fragmentation within Europe

Objectives

Support, align and coordinate the policy measures to accelerate and facilitate the uptake of AI in European science and research

4 key activities

- **General meeting:** a kick-off meeting (2025), a mid-term meeting (2026), final meeting (2027)
- **Capacity building activity** – to present evidence, experience, useful developments and best practices from AI in Science policy-making
- **Hands-on workshop** – working together on concrete topics like policy alignment, joint Roadmap, funding agendas, updates of guidelines, etc.
- **Joint project** – for ERA members to build something together (if considered feasible by participants)

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- Access to infrastructure (example: HPC)

- Access to data

- Funding for AI in Science

- Talent and skills

- Monitoring and steering the impact of AI on the scientific work

- Building a collaborative community on AI in Science with the engagement of relevant stakeholders

- Updated living guidelines on the use of generative AI in research

- A joint roadmap on AI in Science

- An agreed strategic funding agenda

- Joint project (if considered feasible by participants)

- A future plan for collaboration and policy evolution

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- Exchange knowledge and ideas

- Create alignment

- Facilitate institutional support for ideas and best practices at national level

- Support joint projects on AI in Science

- Opportunity to engage and shape policies

Thank you! Your feedback?