ENAI Recommendations on Ethical Use of AI in Education

Tomáš Foltýnek

Masaryk University

President of the ENAI Board

European Network
for Academic
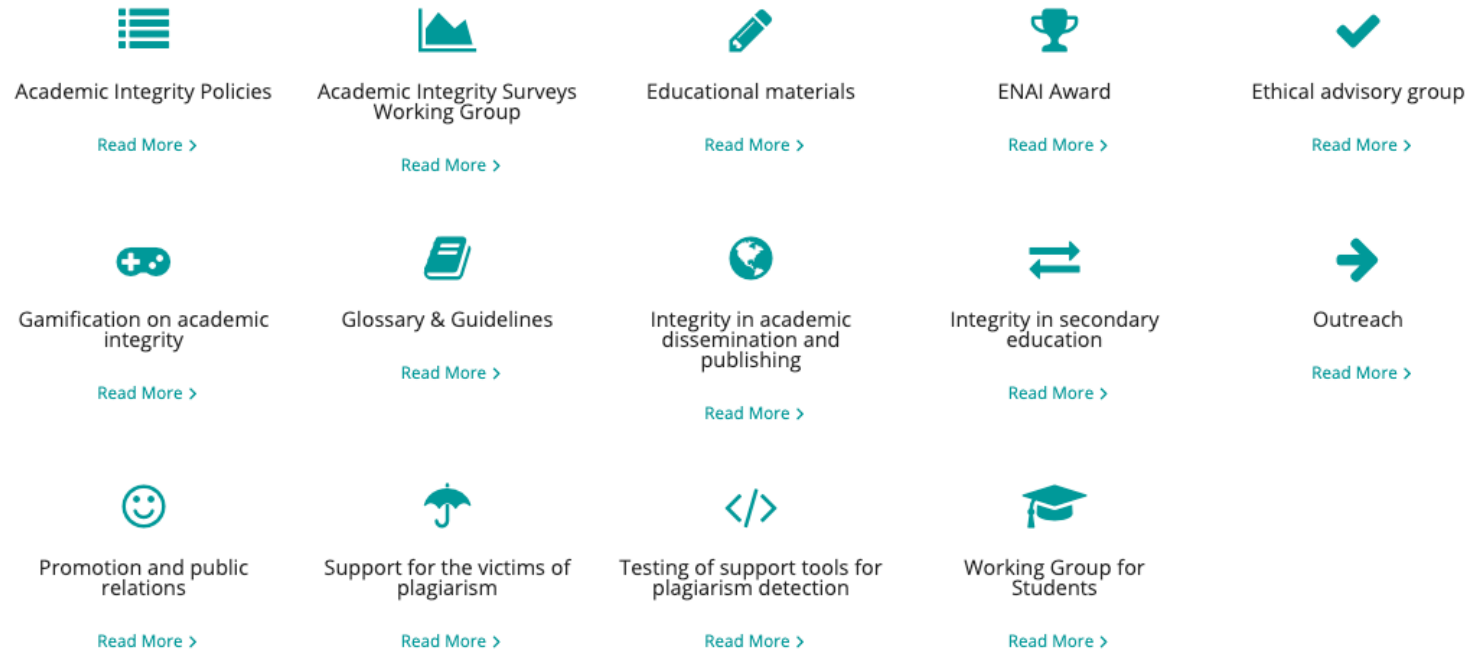Integrity

Purpose of ENAI

to **support**
higher education institutions
to **work together**
in the field of
academic integrity

Objectives

- to provide a platform for academics across all sectors to investigate, exchange, develop, collaborate and access **resources**

- to offer **opportunities** for researchers

- to present **best practices**

- to make available a **central point** of reference

- to organize conferences, workshops and other **events**

- to **network** and collaborate with individuals and organizations actively pursuing related research

- to collaborate towards **research**

- to appreciate individual and institutional efforts by offering **awards**

ENAI Activities & Working groups

- Conferences
- Summer schools
- Training events
- Web page with resources
  - Educational materials
  - Glossary, Guidelines
  - Self-evaluation tools
- Monthly webinars
- Newsletter every 2 months
- Social media

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Academic Integrity Policies
Read More >

Academic Integrity Surveys Working Group
Read More >

Educational materials
Read More >

ENAI Award
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Ethical advisory group
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Gamification on academic integrity
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Glossary & Guidelines
Read More >

Integrity in academic dissemination and publishing
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Integrity in secondary education
Read More >

Outreach
Read More >

Promotion and public relations
Read More >

Support for the victims of plagiarism
Read More >

Testing of support tools for plagiarism detection
Read More >

Working Group for Students
Read More >

Rationale

- AI tools being released into the public domain

- Make our lives easier

- Bring both opportunitites and challenges to education

- Thomas Lancaster's webinar in September 2022
  - Artificial Intelligence and Academic Integrity

- Improvements in generative AI tools

- Concerns among the educators

Midjourney /imagine artificial intelligence writing student essay in blue and yellow, white background

Authors of the Recommendations

Ad hoc working group established within ENAI

- Tomáš Foltýnek, Masaryk University, Czechia
- Sonja Bjelobaba, Uppsala University, Sweden
- Irene Glendinning, Coventry University, UK
- Zeenath Reza Khan, University of Wollongong in Dubai, United Arab Emirates
- Rita Santos, European Network for Academic Integrity, Portugal
- Pegi Pavletić, European Students Union, Belgium
- Július Kravjar, European Network for Academic Integrity, Slovakia

Process

- January 2023 → The working group drafted the list of ideas
- February 2023 → Feedback from ENAI working groups
- March 2023 → Wording, clean document
- April 2023 → Publication

- International Journal for Educational Integrity
  - accepted as editorial

Definitions

- **Academic integrity** can be defined as *"compliance with ethical and professional principles, standards, practices, and a consistent system of values that serves as guidance for making decisions and taking actions in education, research and scholarship"* (ENAI Glossary)

- **Artificial Intelligence** refers to systems that appear to have *"intelligent behaviour by analysing their environment and taking actions – with some degree of autonomy – to achieve specific goals"* (EU definition)

Midjourney /imagine artificial intelligence

Background and Context

- AI-based tools can be used to transform, produce or generate **any kind of content**, such as text, images, art, music, or programming code.

- It is increasingly challenging to reliably **distinguish** AI-generated content from human-produced content

- The wide accessibility of AI may **exacerbate existing** types of academic integrity **threats**, such as essay and paper mills, fabrication and falsification of data, etc.

Acceptable use of AI tools

- **Authorised and declared** usage of AI tools is usually acceptable

- **Academic misconduct**: *"any action or attempted action that undermines academic integrity and may result in an unfair academic advantage or disadvantage for any member of the academic community or wider society"* (ENAI Glossary)

- May not explicitly include unauthorised and/or undeclared use of AI

Unauthorised Content Generation

Production of academic work, in whole or part, for academic credit, progression or award, whether or not a payment or other favour is involved, using unapproved or undeclared human or technological assistance.

AI = Multiplier of Ability

- Both in good and bad ways

- Students and Educators should be guided on benefits and limitations of AI → learn how to use AI ethically

- AI penetrates all areas of human activity
  - University graduates should be prepared for using AI
  - Relevant AI tools should be embedded in the curricula

What Should Be Acknowledged?

- All persons, sources, and tools that influence the ideas or generate the content should be properly acknowledged.
  - Consequently, when an AI tool is used, it should be acknowledged.
  - Form of acknowledgement may differ
  - If possible, prompt should be provided
- Appropriate use of services, sources, and tools that only influence the form is generally acceptable
  - e.g. proofreaders, proofreading tools, spelling checkers, thesaurus

Responsibility

- The outputs of AI tools can include biased, inaccurate, or incorrect content that users should be aware of

- Neither the AI tool, nor the provider of the AI tool take responsibility for the generated content

- Human (user) is always responsible!

- An AI tool **cannot be listed as a co-author** in a publication
  - See COPE guidelines

Students & Teachers

- **Students** should be included and educated on the following:
  - The purpose of all activities related to learning and assessment and why they should develop (e.g. write) their individual/group work assignments.
  - How to develop their ethical writing and content production skills.

- **Teachers** should receive training on ethical use of AI
  - including development of relevant learning outcomes, learning activities, and assessment strategies.

Midjourney /imagine future of university education with artificial intelligence

National & Institutional Level

- National guidance should provide overarching advice on what institutions should include in their policies.

- Institutional policies:
    - Should define default rules on allowed use of AI
    - There should be space for specific rules at course level
    - The policy and the rules should be clearly communicated to all stakeholders
    - Should guide the users on how to correctly and transparently acknowledge the use of AI tools in an assignment, dissertation, thesis, paper, article, book chapter, computer programme, graphic, artwork and other types of artefact

Summary Statement

- There is no doubt that AI brings **significant change to education**

- As with any other technology, it extends and **enhances human abilities** and may be used both in a positive and a negative way

- ENAI urges national policymakers, institutions, and all individual members of the academic community to **seek ways** on the ethical use of AI and **share best practices** in order to benefit from the opportunities that AI brings to education and science

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Next Steps

- Get the Recommendations published

- Collect feedback

- Discussion at ECEIA 2023 in Derby

- Sharing good practice

- Development of educational materials

- Thank you for your attention!

Midjourney /imagine map of europe, networked, scattered with academic symbols, cooperation, collaboration, sharing