



# MAGNETO Final Event 30<sup>th</sup> of March 2021

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## Ethical Risk Assessment

# Two new ethical assessment tools developed in MAGNETO

- **Ethical Risk Assessment (ERA)**  
Form and associated electronic  
tool
- **Misuse Risk Assessment (MRA)**  
Form and associated electronic  
tool

# Risk Assessment v Ethical Risk Assessment

- **Traditional risk assessment** is about what can cause harm to people, or groups, or things.
- **Ethical risk assessment** is about harm to an individual's or a group's rights.
  - *It is more about culture, views and rights*
  - *More subject to personal bias and your experience*
  - *Those affected are likely to be outside of your organisation*
  - *They may have different lifestyles than you*
  - *The impacts are probably less immediate and less obvious*

## Ethical Risk Assessment Form

- Identifies specific MAGNETO challenges based on the 7 key requirements that AI systems should meet in order to be trustworthy
  - Human agency and oversight
  - Technical robustness and safety
  - Privacy and data governance
  - Transparency
  - Diversity, non-discrimination and fairness
  - Societal and environmental well being
  - Accountability

# Example Issues for MAGNETO

Example Key Words	Example Issues to consider
Human agency	<ul style="list-style-type: none"><li>- Clarity that results have come from an algorithmic/ AI process (explainability)</li><li>- no executive action/ final decisions based solely upon AI output</li></ul>
Human oversight	<ul style="list-style-type: none"><li>- human oversight and control of the system and its outputs</li><li>- audit and correction of data and results is possible</li></ul>

# Misuse risk Assessment Form

- Using MRA Form will help you to *mitigate the ethical risk that could rise from the misuse of the MAGNETO system and its tools.*

Moral risk	Misuse risk	Specific challenges
Moral risk of privacy intrusion	The LEA user does not comply with the legal framework relevant to the activity.	Improper ethical and legal governance.
		Lack of transparency and accountability.

Demonstration  
ethical tools

# Ethical Risk Assessment as part of end-user governance of MAGNETO system

Demonstration  
ERA and MRA tools

# Example Issues Identified by Use of ERA / MRA

Tool	Issue	Action / New Control?
ERA	Although data analysed by an analyst are encrypted, unless the system automatically times-out then these data or their analysis may be inadvertently accessible by another party	Investigate automatic time-out in MAGNETO.
MRA	Investigations often require the assessment of large amounts of data and this should be made much easier by the use of MAGNETO. To avoid accidental infringement of human rights this may require better/stricter controls on the selection of input data.	Consider additional controls for the selection of evidentiary data for use in systems like MAGNETO.



Closing

## Contact

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