Quality Strategy

Hybrid Intelligence

1 Introduction Quality Strategy

The HI quality strategy outlines how the HI consortium will ensure quality for its projects, education and products. It contains the objectives, responsibilities, procedures, and resources for quality control and monitoring. The goal of the quality strategy is to ensure that the projects, education and products meet the agreed requirements, relevant standards and regulations.

1.1 The Quality Strategy objectives

The main objective of the consortium is to develop AI technologies that can effectively collaborate with humans in various fields such as healthcare, education, transportation, and industry. The objectives of the quality plan are:

1. Ensuring that all research conducted by the consortium adheres to ethical standards and guidelines for AI development.

2. Ensuring that all research results are reliable, accurate, and reproducible.

3. Ensuring that all research is conducted in compliance with relevant laws and regulations.

1.2 The Quality strategy responsibilities

The HI consortium's leadership team will be responsible for overall quality management and review of all research plans and results. Each research team will be responsible for implementing quality control measures and maintaining documentation related to their work. The HI Ethics policy describes that each institute will be responsible for reviewing and approving all research proposals related to their institute via their institutional ethics board to ensure they comply with ethical standards.

2 Quality Policy

The consortium is committed to achieving the highest standards of quality in its research and development activities by adhering to ethical principles and best practices in AI development.

2.1 The Quality Standards

The consortium will comply with all relevant legal, regulatory and ethical requirements related to AI development and ensure that all of its activities are conducted in an ethical and responsible manner. This includes for example the following standards:

- ethical standards for AI development (eg. EC The Ethics Guidelines for Trustworthy Artificial Intelligence)

- Netherlands Code of Conduct for Research Integrity

- NWO grant rules

- University policies

2.2   The Quality Procedures

Project review   All research proposals will be reviewed and approved by the consortium's leadership team and the university's ethics committee before work begins in accordance with local and national standards.

Data management   All data collection and analysis will be done in accordance with the established Data Management policy.

Publications   All research results will be thoroughly reviewed and validated before they are published or shared with external parties, in accordance with the communication policy.

Risk Management   The consortium has established a risk management process to identify, assess, and mitigate potential risks to the quality of its resources, research and development activities. A risk registry has been initiated at the start of the project and is continuously reviewed by the MT and escalated to the EB when needed.

2.3   The Quality Resources

The HI consortium has established effective communication channels and will provide regular information on the quality policy, ethical standards and best practices for AI research to all members. The consortium will maintain a database of relevant laws and regulations for AI research and will make this information available to all members.

2.4   Quality Control

The consortium will conduct regular internal and external reviews of its research and development activities to ensure that they meet the highest standards of quality. The consortium will also establish procedures for reporting and addressing any issues or non-conformities that are identified. The consortium will establish a continuous improvement process to identify and implement changes to improve the overall quality of its research and development activities.

2.5   Related policies

The Quality policy is closely related to the other Project Policies comprising the Diversity Statement, Ethics Policy, Supervision Policy, Data management Policy and the Communication Policy.