Guidelines for good scientific practice, AI and ethics

Good scientific practice

Compliance with the **rules for good scientific practice,** including the observance of ethical aspects in research, is mandatory. This pertains to the application process and, in case of funding, the research work.

- WWTF is member of the Austrian Agency for Research Integrity (OeAWI) and thus committed to their standards for good scientific practice. Hence, applicants must comply to OeAWI standards
- In case of suspected scientific misconduct, WWTF will employ the ombudsperson at the applicant's institution or request OeAWI to investigate the case.
- Based on the outcome of investigations by the ombudsperson or OeAWI, WWTF reserves the right to exclude the applicants and the application from the involved and future calls.

Use of **generative AI** in the application process

WWTF recognizes that the use of genAI tools is pervasive and can facilitate proposal writing, for example in relation to improving written language. However, substantial use of genAI must be declared as such for the sake of transparency.

> "Substantial use" is defined in line with the European Commission's definition: "[…] using generative AI as a basic author support tool is not a substantial use. However, interpreting data analysis, carrying out a literature review, identifying research gaps, formulating research aims, developing hypotheses, etc. could have a substantial impact." (EC 2024: Living Guidelines on the responsible use of generative AI in research.)

This mainly concerns critical parts of scientific relevance, such as hypothesis formulation and the scientific project plan. Applicants will be required to provide statements on the use of generative AIs at both the short and full proposal stages. WWTF emphasizes the importance of human responsibility for the content submitted at all stages of the application process.

> WWTF does not allow the use of genAI in its decision making processes.

Ethical aspects of the planned research

Project proposals may include **ethical aspects** that require the approval from an ethics committee/institutional review board. Please consider WWTF's requirements regarding ethical aspects and, if applicable, upon the selection of a project for funding.

- In the proposal, applicants provide a brief statement regarding the ethical aspects of the project. Applicants must indicate whether a formal ethical approval is required for the proposed work.
- If the nature of the project requires a formal ethical approval, it has to be included in the submission of the project. If an ethical approval for the proposed work cannot be provided in the given timeline (deadline for the submission), applicants must provide a timeline and an explanation of the feasibility of obtaining the necessary ethical approvals. In the latter case, applicants commit themselves to obtaining the required permits to commence the project in a timely manner, should it be selected for funding.
- Upon selection for funding, submission of the final ethical approvals to WWTF is a prerequisite for the funding contract. As projects must start no later than 6 months after funding approval, grantees must ensure that ethical approvals are submitted to WWTF in time for the funding contract to be concluded.

> Please note that the feasibility of obtaining the required ethical approval will be considered during the evaluation of the full proposal. Insufficient demonstration of the ability to obtain ethical approvals within a timely manner may result in the project being excluded by the jury panel.

Please note the following requirements regarding **ethical approvals** for WWTF-funded projects.

- The approval by the ethics committee should be specific for the planned WWTF project. Therefore, the title of the project should be the same as on the approval (minor deviations are possible). If the title of the approved research differs significantly from the proposed project, a statement must be provided (in the Funding Portal), confirming that the approval will cover the planned research.
- If the main applicant for the ethical approval is not a core team member (i.e., PI&C or co-PI) of the WWTF proposal, a clear statement must be included in the proposal, in which a core team member confirms that he/she is authorized to conduct the planned research within this ethical approval.
- If the planned research is covered by an existing approval, the applicants must submit the extension of the approval ("Verlängerung der Gültigkeit des Votums"). The above also applies for extensions.

> Non-compliance will result in the rejection of the proposal on formal grounds.

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