

AISSAI center

AI for Science, Science for AI

<https://www.cnrs.fr/en/artificial-intelligence-science-science-artificial-intelligence-aissai-center>

Goals

- Genesis: WG AI of CNRS strategic priorities.
- Foster dialogue between scientific disciplines in interaction with AI.
- Establish radically new modes of collaboration between scientific fields far beyond the mere assimilation of AI methods.
- Address domain-specific strategic questions such as explainability, expert knowledge, robustness, ethics, frugality, etc.
- Address new scientific questions and accelerate scientific discovery in sciences (physics, chemistry, materials, biology, humanities, etc).
- Build ties with other similar centers abroad (e.g., Canada).

- Thematic trimesters on multidisciplinary subjects: [Phystat-AI](#) (2022), Causality in AI (2023), others are to come (particle physics, material sciences, etc.): workshops, seminars, schools, invited profs, etc.
- Host multidisciplinary teams.
- Incubator for projects: fellowships, visiting researchers, project funding, AI engineers in multidisciplinary projects.
- Training sessions related to AI for researchers from different communities (e.g., [Les Houches Summer School of Physics](#), 2022).
- Workshops, webinars, or hackathons.
- Outreach: AI and society.

- **International Scientific Advisory Board:** 10 internationally renowned experts spanning all scientific spectrum of CNRS:
 - Rebecca Willett (U. Chicago, INSMI/INS2I)
 - Antoine Georges (Flatiron et Collège de France, INP)
 - Claudia Draxl (Humboldt-Universität zu Berlin, INP/INC)
 - Brice Ménard (John Hopkins, INSU)
 - Jesse Thaler (MIT, IN2P3)
 - Tanya Berger-Wolf (Ohio State University, INEE)
 - George Karniadakis (Brown, INSIS)
 - Alfred Hero (U. Michigan, INS2I)
- **Executive Committee:** 1 director, 1 deputy director and 1 project manager.
- **Steering Committee:** 12 members representative of all CNRS institutes.