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Embracing AI as a Tool for Science, highlights from the Helmholtz AI team for Earth & Environment

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Artificial Intelligence is the new electricity! It is a valuable tool, that already shows its potential in numerous everyday applications. We are the Earth and Environment team at Helmholtz AI and our aim is to contribute in making this tool available within the science community, as a means towards scientific advancement. We help researchers embrace AI in their research endeavors, and work together with it to foster new ideas and scientific progress.

One of the important factors towards progress lies in bridging the gap between different fields. Within the scientific community, it is currently challenging to keep up with the latest advancements in AI, given the very rapid pace in development of machine learning technologies. Hence, we strive to occupy the role of AI experts, offering insight about the entire machine learning pipeline: starting from data pre-processing, model architecture design and implementation, result post-processing and deployment. We also give guidance regarding the usage of computational resource infrastructure that is available through the Helmholtz institution.

In this presentation we will give examples and talk about the various types of projects we worked on recently, ranging from computer vision, sequence analysis and explainable AI topics, as well as showcase relevant deployment aspects. This will convey insight about the kind of things that are currently possible, and inspire other novel ideas that can be pursued in the future. You may talk to us personally at the symposium or contact us via: https://www.helmholtz.ai/themenmenue/you-helmholtz-ai/ai-consulting/index.html

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