ELIAS

European Lighthouse of AI for Sustainability

ELIAS aims at establishing Europe as a leader in Artificial Intelligence (AI) research that drives sustainable innovation and economic development.
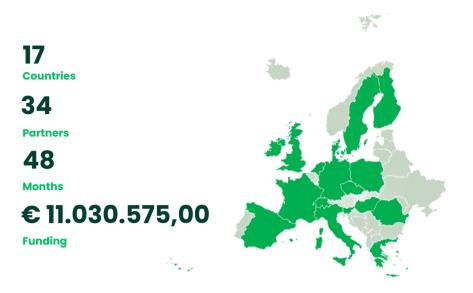
Key figures

17
Countries

34
Partners

48
Months

€ 11.030.575,00
Funding

ELIAS Research Spheres

ELIAS aims to elevate the trajectory towards *a "new generation of AI methods and applications that benefit all in society."* This initiative seeks to refine the existing research agenda, focusing on key aspects crucial for a sustainable long-term future, cohesive societies, and safeguarding individual rights.

AI for a Sustainable Planet
AELIAS leads the way in developing and implementing technologies focused on efficient energy and material usage, addressing the urgent need for a sustainable planet. The initiative integrates innovative solutions to make a tangible difference in alleviating the ecological burden.

AI for a Sustainable Society
IELIAS is dedicated to fortifying democratic foundations by introducing liquid democracy mechanisms. These mechanisms enhance public participation, aggregate collective preferences, and establish smart working structures. In a globalised and digitised world, ELIAS places AI at the core to supervise and combat manipulation, foster social influence, and support collective efficiency.

Trustworthy AI for Individuals
ELIAS recognises the transformative potential of data-driven algorithms in decision-making. While addressing human limitations, such as corruption and biases, ELIAS is committed to ethical considerations. Pioneering research ensures the responsible and ethical deployment of AI, unlocking its positive potential for fairer, more inclusive, and objective decisions.

Use-cases

UC1: AI for Building Optimisation

UC4: Mitigating misinformed migrant perception in EU

UC2: AI for Monitoring the Virtual Infrastructure

UC5: AI for Forecasting of Vegetation State

UC3: Responsible, User-centric Advertising

UC6: Open Materials Discovery Project

At ELIAS, our mission is multi-faceted. We are committed to advancing fundamental research in AI to answer critical questions about how it can reduce computational costs, model the societal impacts of policy decisions, and affect individuals. Our approach entails a deep integration of academic research with industry-driven applications, forging a synergy that propels the field forward.

Moreover, ELIAS is pioneering the Sciencentrepreneurship track, designed to attract and empower individuals at the nexus of scientific innovation and business acumen. Our goal is to cultivate original AI solutions that contribute to a sustainable future for our planet, foster social cohesion, and uphold individual rights.

Our Partners