AI+ Sustainability™(AISA)

ID AISA **Price** CHF 995.—(excl. VAT) **Duration** 1 day

Who should attend

- Environmental Professionals: Ideal for individuals working in sustainability, seeking to integrate AI tools for better environmental solutions.
- Data Scientists and Analysts: Perfect for those wanting to apply data analytics and AI in tackling global sustainability challenges.
- AI Enthusiasts: Anyone passionate about artificial intelligence and looking to apply it for environmental impact reduction.
- Policy Makers and Regulators: Suitable for those involved in creating policies, regulations, or frameworks related to sustainable development.
- Industry Leaders and Innovators: Professionals in energy, waste management, and other sectors aiming to drive sustainability through AI solutions.

Prerequisites

- Basic Knowledge of Artificial Intelligence: Understanding core AI concepts, algorithms, and their practical applications for solving sustainability challenges across sectors.
- Understanding of Sustainability Issues: Awareness of pressing environmental challenges, global sustainability initiatives, and solutions for reducing ecological impact.
- Data Analytics Skills: Ability to analyze large datasets, interpret trends, and use insights to support sustainability decision-making processes.
- Familiarity with Environmental Science: Knowledge of environmental principles, ecosystems, sustainability frameworks, and their role in shaping sustainable development practices.
- Programming Skills: Proficiency in Python or similar languages, enabling you to apply AI techniques for sustainability-related problem-solving.

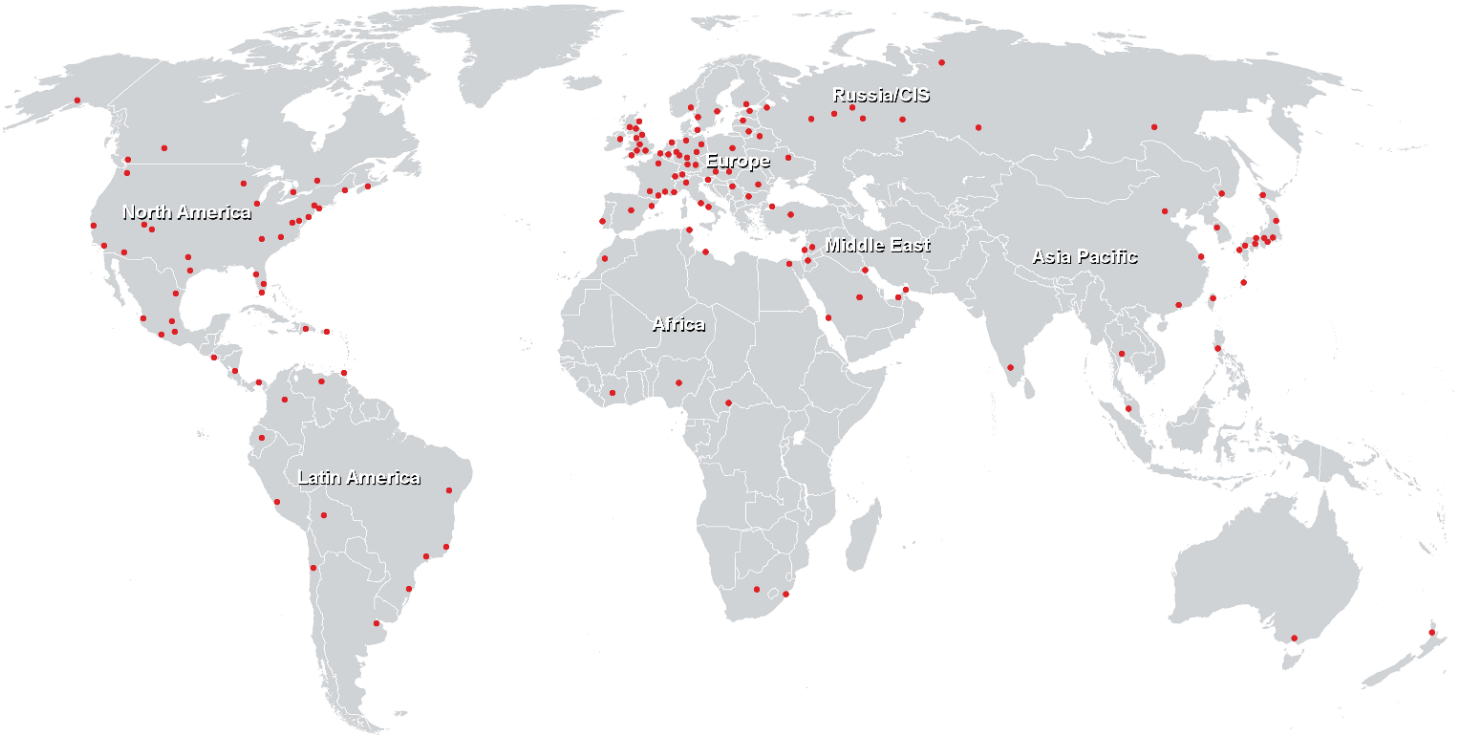
Course Objectives

- Grasp AI Technologies for Sustainability: Learn how to leverage AI to address critical environmental challenges in various sectors.
- Apply AI in Sustainable Energy and Smart Cities: Develop the ability to implement AI solutions in energy management and urban sustainability.
- Master Data Analysis and Resource Optimization: Equip yourself with skills to use AI for real-time data analysis and optimizing resource use.
- Develop Predictive Modeling Skills: Gain proficiency in using AI for predictive modeling to anticipate and mitigate sustainability risks.
- Contribute to Environmentally Sustainable Practices: Learn to apply datadriven AI solutions that drive positive environmental impact and support sustainability goals.

Course Content

- Introduction to AI and Sustainability
- AI Techniques for Sustainability Solutions
- AI for Climate Change Mitigation
- AI in Sustainable Energy Systems
- AI for Sustainable Agriculture
- AI in Waste Management and Circular Economy
- AI for Biodiversity Conservation and Environmental Monitoring
- AI for Water Resource Management
- AI for Sustainable Cities and Smart Urban Development
- Capstone Project: Designing an AI Solution for a Sustainability Challenge

Training Centres worldwide



Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch