

Erasmus Centre for Data Analytics

Erasmus Data Collaboratory

Hands-on preparation
for a data-driven future



Introduction

The Erasmus Data Collaboratory is an inclusive open action learning and -research environment concerning data and AI, located at campus Erasmus University Rotterdam. It is a place where people can think, work, learn, and innovate together.

As our physical hub, it provides space and facilities for multi-disciplinary, team-based hands-on learning, researching, experimenting, and innovating. A space where education, research, and innovation are facilitated IN the various aspects of data and AI and WITH the availability of data and AI.

Who we are

The Erasmus Centre for Data Analytics (ECDA) is the collaborative platform of the Erasmus University Rotterdam for research, education, and valorisation IN and WITH data analytics and AI. ECDA's purpose is to facilitate the Erasmus University and its public and private partner organisations in preparing society, hands-on and human-centred, for a data-driven sustainable future.

ECDA facilitates multi-disciplinary research and innovation based on a community of over twenty so-called Expert Practices in data analytics and AI with academics from various backgrounds (business, economics, law, social sciences, health science, computer science). It offers a learning community between public and private partner organizations, tech partners, academia, and students through the Erasmus Data Collaboratory, an AI lab and digital innovation hub.

ECDA organizes top class-exclusive events, seminars, and summits and provides short training courses for executives, post-doctoral programs, and teach-the-teacher training sessions.

ECDA supports data analytics training at bachelor and master level to full-time students and connects students to their network of public and private partners.

ECDA ensures that collaboration and data-sharing are compliant with legal provisions and codes.

Primary purpose

The primary purpose of the Erasmus Data Collaboratory is to foster collaborative creativity and initiate societal impact using the power of data and AI.

By connecting talent from academic, public- and private organisations, including start-ups/scale-ups, the Collaboratory encourages to work jointly on complex societal challenges; challenges that are related to contributing to the United Nations SDGs.



Examples are the challenges concerning energy transition, resilient deltas, health systems, smart and inclusive cities.

Design Challenges

These challenges are usually complex, messy and hard to resolve and thus demand creative, systemic and divergent design challenge approaches.

Every design challenge will involve facilitators, highly experienced coaches who act as lead learners and guardians of the Collaboratory space, as well as subject matter experts, who are responsible for providing relevant knowledge and contributing to the discussion in a relevant and pertinent matter.



Expert Practices

The Collaboratory facilitates the over 20 different Expert Practices of ECDA, to work on a project basis on specific challenges of public and private partners. It also will be the place for hands-on training, where students from different educational programs and different backgrounds can work with real datasets and data analytics, AI and ML tools.

Home of talent

The Erasmus Data Collaboratory is the home of the Erasmus Tech Community and Turing Students Rotterdam. Here they can plan and execute their activities, meet with ECDA's public and private partners, and gather to research, learn and share in a multi-disciplinary collaborative fashion.

Education, Research and Innovation

The Erasmus Data Collaboratory facilitates the complete data science cycle, from data engineering, data analysis up to data visualization. To that end, ECDA has partnered with several leading companies from the technology industry, both established and new, that offer the Collaboratory a support infrastructure for data-related activities. This includes amongst others access to specific data sets and an algorithm repository, use of advanced tools for AI and machine learning, process mining and visualization.



Trans-faculty collaboration

The Collaboratory will bring together top researchers and educators from the various faculties of the Erasmus University Rotterdam and offers a joint workspace to tackle the exciting realm of data analytics and AI.

