



A Joint AI Call 2021 project

# EXPLAIN



An explainable, interactive approach to machine learning

## Project summary

EXPLAIN (EXPLAnatory interactive Artificial intelligence for INdustry) will create an end-to-end machine learning (ML) lifecycle for industrial domain experts that provides human supervision on artificial intelligence (AI) systems and ML models. This will increase the acceptance of AI/ML in industrial settings.

## Consortium

**Germany**

**ABB**

**GINKGO ANALYTICS**  
A MEMBER OF ERGAS GROUP

**LEAGO**

**TECHNISCHE UNIVERSITÄT DARMSTADT**

**Universität Hildesheim**

**Sweden**

**ABB**

**BOLIDEN**

**li.u LINKÖPING UNIVERSITY**

**SÖDRA**

**UMEA UNIVERSITY**

**VIKING ANALYTICS**

**The Netherlands**

**TU Delft**

**mek**  
MACHINE LEARNING ENGINEERING

**PRODRIVE TECHNOLOGIES**

**signify**

## Project duration

May 2022 - May 2025

## Expected key results

- > **Improved Trust in ML Models:** to enhance the trust of process experts in ML models, making it more likely that the recommendations of the models will be acted upon
- > **Increased Model Transparency:** to provide clear insights into the inner logic of models, making them more understandable and accountable to both domain experts and end users
- > **Collaborative ML Optimisation:** continuous feedback from end users will iteratively improve ML models, leading to higher performance and accuracy

**EXPLAIN project website**



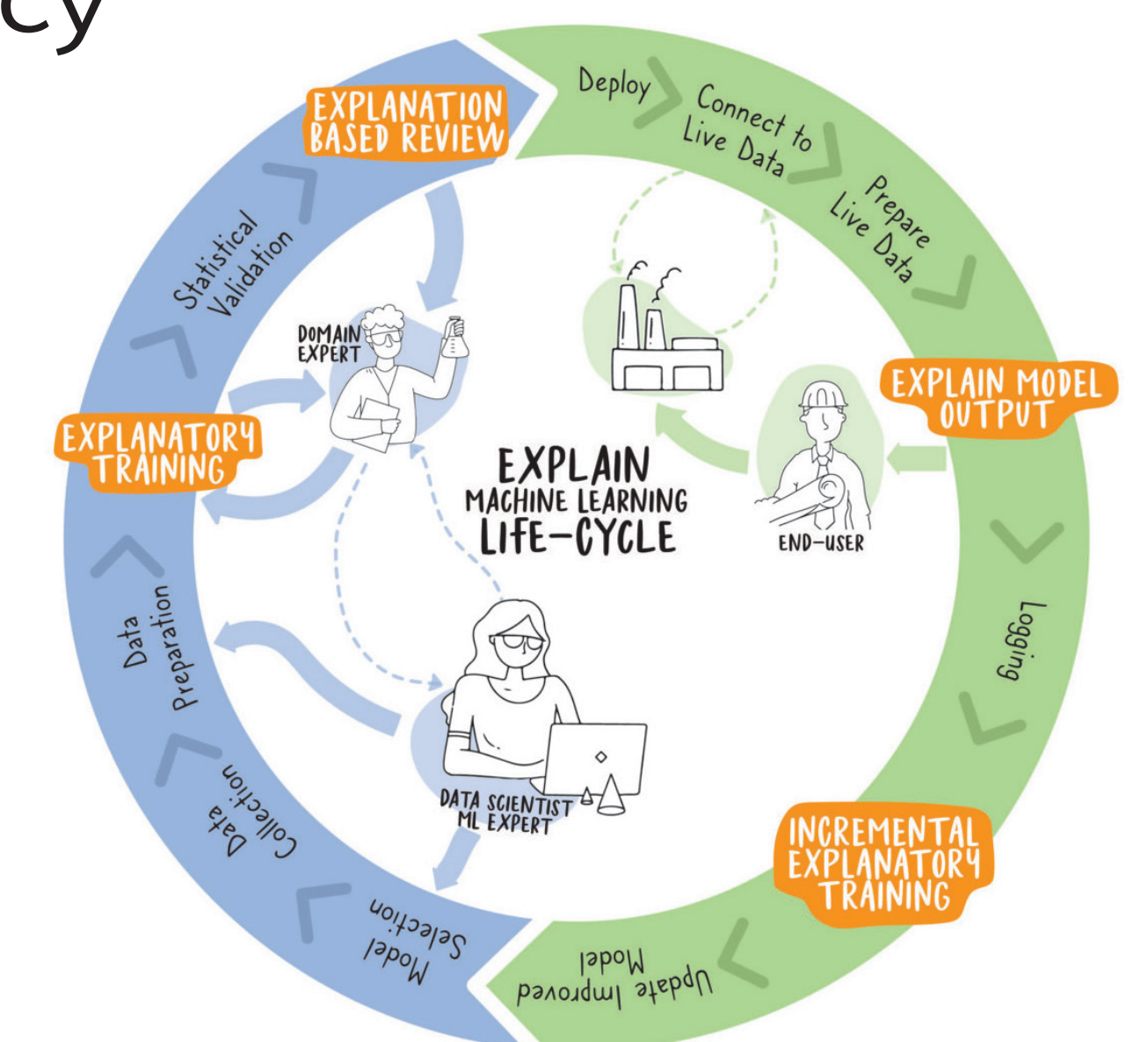
<https://explain-project.eu/>

**Dashboard demonstrator**



<https://bit.ly/3QNGGqO>

## EXPLAIN ML LIFE-CYCLE



## Contact

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