

# Synthetic Image Detection

## DESCRIPTION

This project studies how to **detect AI generated and manipulated images**, with a particular focus on the evidentiary implications for courts and legal practice.

## OBJECTIVES

1. **Benchmark** human and AI's detection capability on modern generative models such as diffusion based image generators.
2. **Analyse** how detection results should be presented to judges, lawyers, and fact finders.
3. **Contribute** to guidelines on admitting and weighing digital image evidence.

## CURRENT PROGRESS

- First empirical research has been finished.
- Contact other legal partners working in this field.

## NEXT STEPS

### Short term (Summer 2026)

- Finalise a first benchmarking report over the summer.
- Produce an accessible explainer for legal audiences.

### Long term

- Publish a full empirical study.
- Develop a decision aid or training material for legal professionals.

