

## BACKGROUND

- Decay factors required for landfilled waste
- SA lacks waste-specific data
- Impact pulp and paper industry
- Empirical research needed

## AIM AND OBJECTIVES

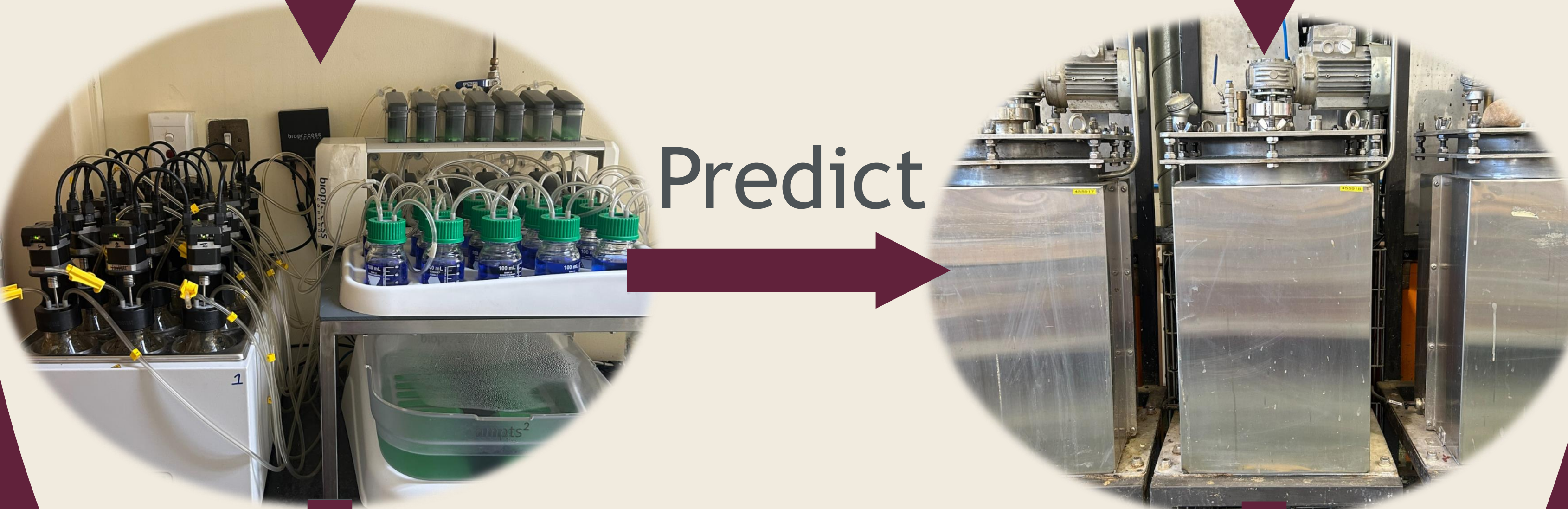
- Estimate decay factors for eight key paper materials

- 1 Upper-limit of gas production
- 2 Prediction factors
- 3 Realistic estimate

## RESULTS

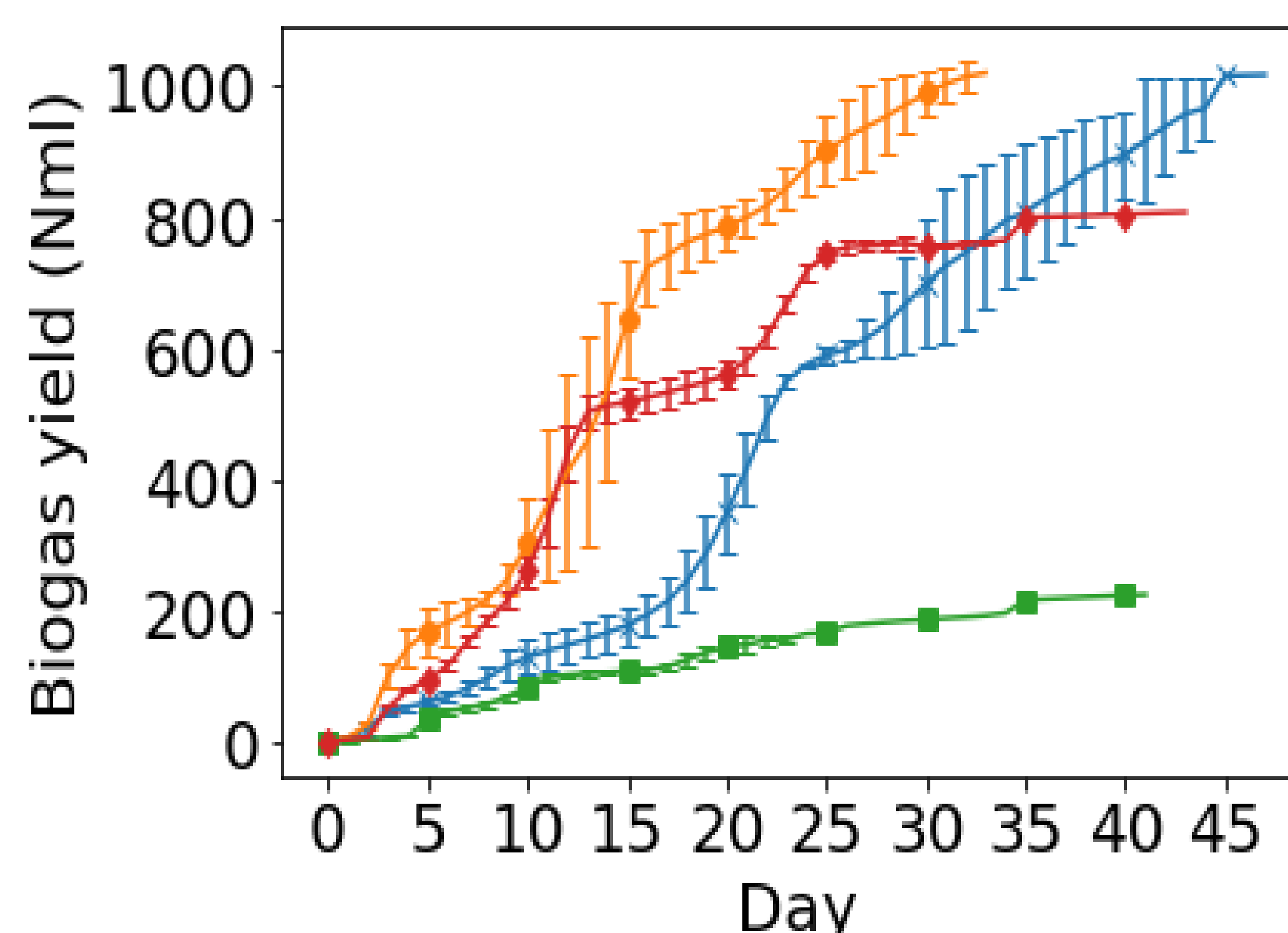
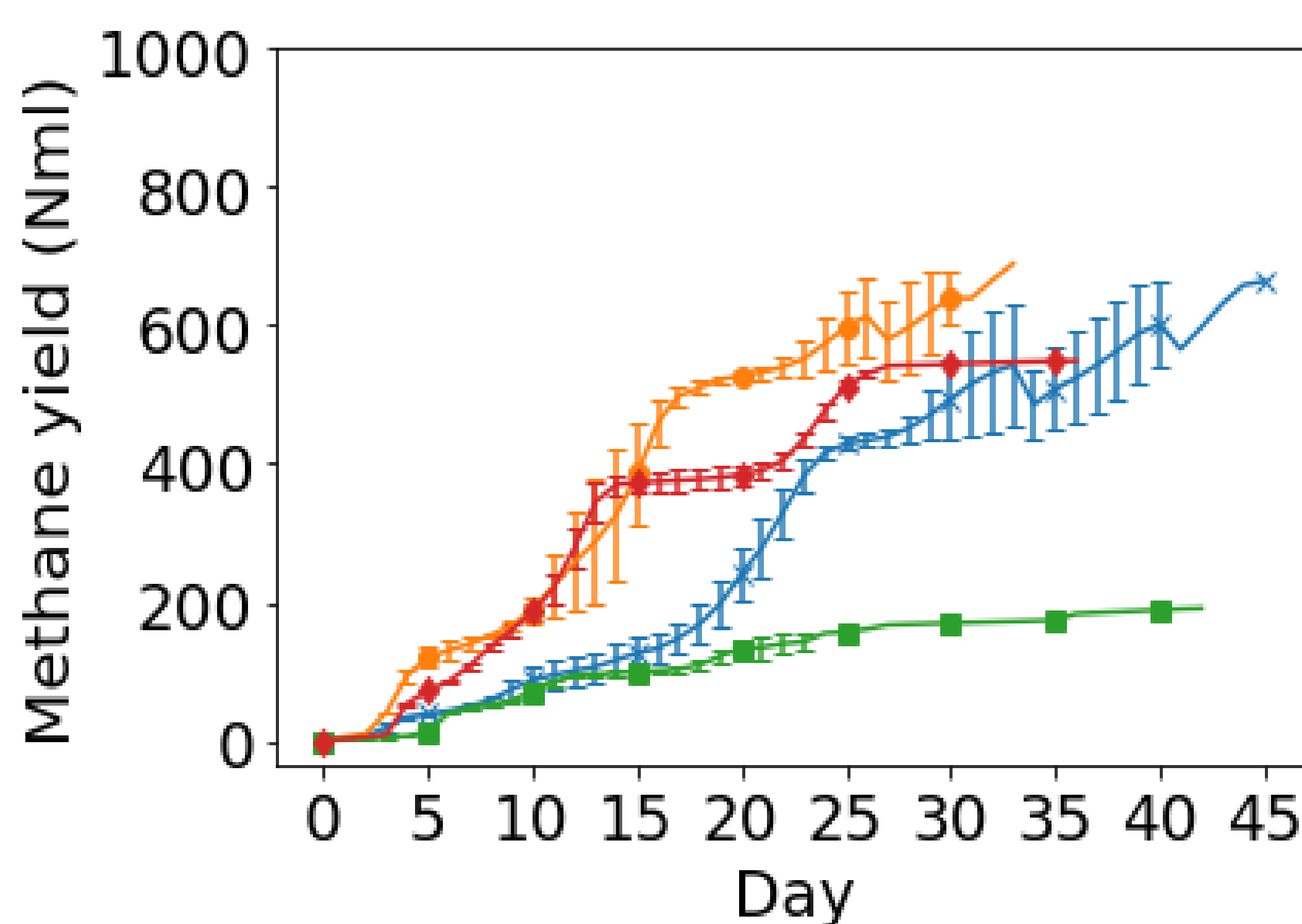
Bench-scale runs:

- office paper
- Newsprint
- coated paper



## FUTURE WORK

- Bench scale runs:
  - Packaging paper
  - Multilayered paper
  - Label backing paper
  - Liquid board paper
  - Paper sacks
- Pilot scale runs
- Modelling of prediction factors



## REFERENCES

Photos by [Ceyda Çiftci](#), [Mr Cup / Fabien Barral](#), [Myriam Jessier](#), [Jon Moore](#), [Sam Herriott](#), [Akram Huseyn](#), [Wesley Tingey](#), [Rishabh Sharma](#), [Annie Spratt](#), [Gabi Miranda](#) on [Unsplash](#)