

# BES WORKSHOP

British Ecological Society Meeting 2025, Edinburgh

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## 1 Welcome to the course!

- Welcome to the `inlabru` workshop!
- The goal of this workshop is to introduce new users to the `inlabru` software for Bayesian spatial modelling using the integrated nested Laplace approximation (INLA).



### ! important

Please use the instructions provided [here](#) to install and check your installation *before* the course start.

## 2 Learning Objectives for the workshop

At the end of the workshop, participants will have an understanding of:

- The `inlabru` workflow and software principles.
- The motivation for and the challenges of analysing and modelling spatial data.
- Statistical models used to analyse spatial data.
- The implementation of these models in the `inlabru` package

## 3 Intended audience

The workshop aims to cater for participants with a range of different backgrounds, who is interested in analysing data with modern spatial statistical modelling approaches.

## 4 Prerequisites

Participants should be familiar with the R environment, and general statistical approaches for modelling such as regression, analysis of (co)variance, and generalized linear models.

No knowledge of R-INLA or inlabru is required.

## 5 Schedule Program

| Time          | Topic  |
|---------------|--|
| 13:00 - 14:00 | Workshop registration                            |
| 14:00 - 14:45 | <b>Session 1:</b> Introduction to inlabru        |
| 14:45 - 15:30 | Practical Session 1                              |
| 15:30 - 16:00 | Refreshment break                                |
| 16:00 - 16:45 | <b>Session 2:</b> Spatial Modelling with inlabru |
| 16:45 - 17:45 | Practical Session 2                              |
| 17:45 - 18:00 | Wrap-up and outlook                              |