



# **An introduction to Bayesian approaches in Macroecology**

Room GO65, Arts Millennium Building, NUIG

12<sup>th</sup> - 13<sup>th</sup> of March 2020

## **Day 1, 12<sup>th</sup> march**

### **Registration**

10.00 – 10.30 am

### **Introduction to Bayes Theorem**

10.30 – 11.30 am

### **Coffee**

11.30 – 11.45 am

### **Introduction to Markov Chains**

11.45 – 12.45 pm

### **Lunch**

12.45 – 1.45 pm

### **From glm to MCMCglmm**

1.45 - 2.15 pm

### **R exercises in MCMCglmm**

2.15 – 3.15 pm

### **Coffee**

3.15 – 3.30 am

### **Checking your model**

3.30 - 4.30 pm

## **Finished for the day**

## **Day 2, 13<sup>th</sup> march**

**Advanced MCMCglmm**  
9.30-11.00 am

**Coffee:** 11.00 – 11.30 am

**Advanced MCMCglmm cont.**  
11.30-12.00 pm

**MCMCglmm hierarchal example**  
12.00-12.45 pm

**Lunch**  
12.45 – 1.45 pm

**Bayesian analysis using JAGS**  
1.45 – 3.00 pm

**Coffee**  
3.00 – 3.15 pm

**JAGS cont.**  
3.15 – 4.30 pm

**Workshop Finishes**