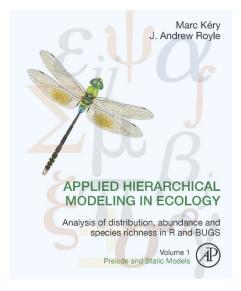
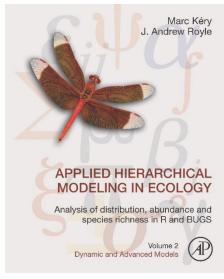
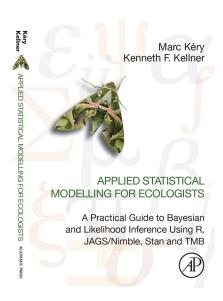
# Applied hierarchical modelling (AHM) for species distribution and abundance

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Workshop at
Michigan State University
East Lansing, MI
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## **Syllabus**

Morning: 9–13h, lunch break around 13–14h, afternoon: 14–17h, possibly extend to 17.30h. --- Incl. two breaks of 30' each around 10.30h and 15.30h. Hence, am has 3.5h (210') and pm has 2.5h (150'), for a daily total of 360'.

### **Monday**

am/pm	Module	Торіс	Reading	Duration	Who
am	1	Introduction to Statistical	ASM (2)	180	Marc
		Inference			
pm	2	Static occupancy models	AHM1 (10)	180	Marc

#### **Tuesday**

am/pm	Module	Торіс	Reading	Duration	Who
am	3	Dynamic occupancy models	AHM2 (4)	180	Ken
pm	4	Occupancy models with false	AHM2 (7)	180	Andy
		positives			

#### Wednesday

am/pm	Module	Topic	Reading	Duration	Who
am	5	Multispecies occupancy	AHM1 (11),	240	Josh/ Ken
		models	AHM2 (5, 8)		
pm	6	N-mixture and Royle-Nichols	AHM1 (6)	120	Ken
		models (RN maybe Tues PM)			

#### **Thursday**

am/pm	Module	Topic	Reading	Duration	Who
am	7	Dynamic Nmix (Dail-Madsen)	AHM2 (2)	120	Marc
am/pm	8	model Occupancy/abundance		120	Josh/Ken
		interaction models			
pm	9	Multinomial N-mixture models	AHM1 (7)	120	Andy

#### **Friday**

am/pm	Module	Торіс	Reading	Duration	Who
am	10	Distance sampling	AHM1 (8, 9),	180	Andy
			AHM2 (11)		
pm	11	Integrated models	AHM1 (10),	180	Marc
			ASM (20)		