

	Monday	Tuesday	Wednesday	Thursday	Friday			
0900-0930	Words of welcome and introduction, presentation of instructors (Torres, Peterson)	Ecological niche modeling (niche concepts and key factors) (Martinez-Meyer)	Introduction to GARP (Peterson)	Model Validation (intro - Nakamura); Continuation (Peterson)	Brief presentations of project results	0900-0930		
0930-1000	Brief introductions of participants	Niches and distributions I (Soberon)	DesktopGARP Interface (Peterson)			0930-1000		
1000-1030			Practice - GARP			1000-1030		
1030-1045	Break	Break	Break	Break	Break	1030-1045		
1045-1115	Biodiversity - general introduction to dimensions of biodiversity) (Peterson)	Niches and distributions II (Soberon)	Practice - GARP	Model validation: small sample sizes and jackknife (Peterson)	Brief presentations of project results	1045-1115		
1115-1145	Disussion and questions	Disussion and questions	Background to MaxEnt (Soberon)	Case Studies (Mosquitoes and dengue - Nakazawa; Cactoblastis - Soberon; teporingos - Martinez-Meyer)		1115-1145		
1145-1230	Introduction to distributed biodiversity databases (Peterson)	Case Studies - The geographic dimension (Ebola/Marburg - Peterson; Transgenics - Soberon)	MaxEnt Interface (Papes)			1145-1230		
1230-1300	Biological data - georeferencing (Papes)	Niches, distributions, and data (Nakamura)	Practice - MaxEnt	Niche Visualization (Soberon)		1230-1300		
1300-1330	Lunch	Lunch	Lunch	Lunch		1300-1330		
1330-1400	Biological data - error detection (Peterson)	Ecological Niche Modeling: A Statistical Framework (Nakamura)		Lunch	Lunch	1330-1400		
1400-1430	Biological data - error detection (Peterson)	Ecological Niche Modeling: A Statistical Framework (Nakamura)	Lunch	New frontiers for GBIF: example of 2010 (Soberon and Peterson)	Sum-up and remarks (instructors)	1400-1430		
1430-1500	Geographic data - sources and considerations (Papes)	Diverse computational solutions to a complex problem (Soberon)	Case Studies - Ecological niches and geographic distributions (Niches and abundances - Martinez, Amazon history - Bonaccorso)			1430-1500		
1500-1530	Break	BIOCLIM example (Soberon)	Break	Project development	Discussion and questions	1500-1530		
1530-1600	Exploration and play with GBIF, etc.; biological data preparation	Break	Project development			1530-1600		
1600-1630		Exploration and geographic data preparation				Project development	1600-1630	
1630-1700							Course wrap-up and evaluation (Torres)	1630-1700
1700-1730								1700-1730
1730-1800				1730-1800				



breaks and meals
lectures
discussions
case studies
practicum