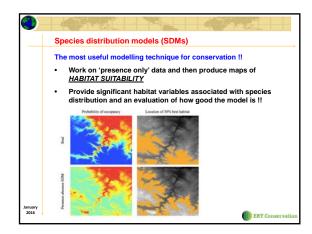
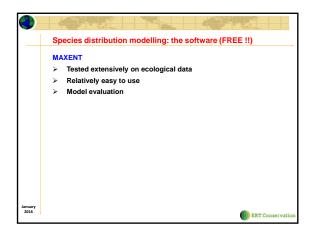


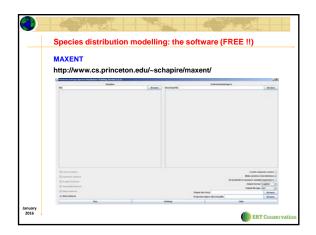
	Problems with modelling ecological systems
	<ul> <li>Often difficult to obtain 'sufficient' measurements across range of conditions</li> </ul>
	> There can be extremely high variability within and between individuals and conditions
	Most environments are 'open' systems and therefore subject to broad range of conditions often not included as one of the model variables e.g. variation in annual weather pattern
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$\downarrow$	GIS data: what's the point in starting out ?		
	We know in ten years		
	Better data		
	Higher resolution		
	Less uncertainty	•	
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$  \rightarrow  $	Habitat suitability modelling		
	Models used to:		
	1. Identify a suitable habitat for a species		
	2. Identify potential distribution of a species/habitat		
		•	
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$\perp$	Species distribution models (SDMs)		
	The most useful modelling technique for conservation !!		
	Relatively easy to get results with some key knowledge		
		•	
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	What is the connection with GIS ?
	GIS provides the variables for MAXENT
	Everything you will do on this course would allow you to complete a species distribution model !!
	We will have a look at this technique in closer detail
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