Biodiversity Account: Group Exercise 1, Step 1: Select three key species and reasons for selection

Species prioritization and rationale

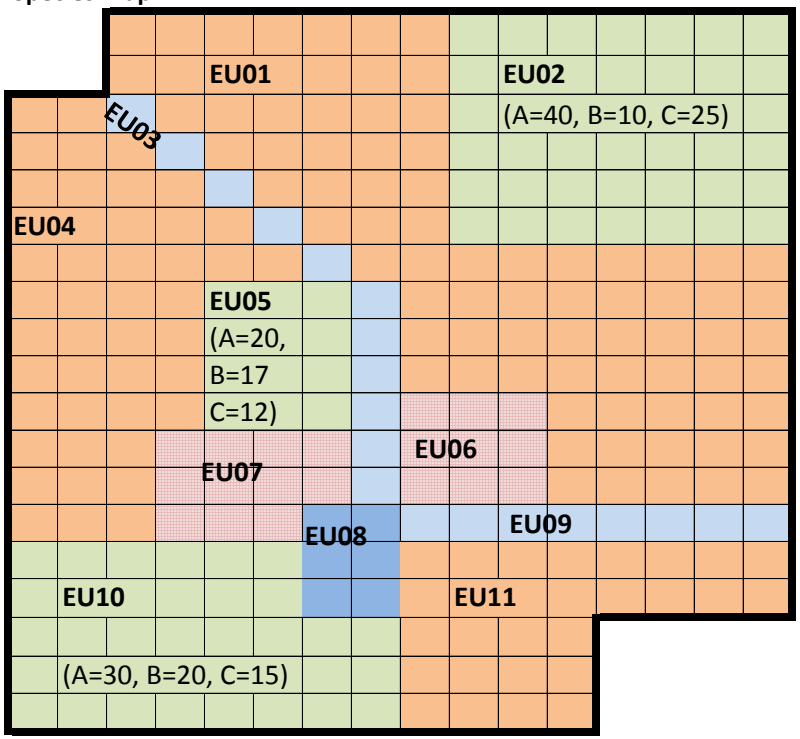
Species	Species name	Reason for selection
A		
B		
C		

Instructions:

1. Write down the three key species you will prioritise and why. When picking your key species, keep in mind the goal of the Biodiversity Account and how including that species will provide information to achieve that goal.

Biodiversity Account: Group Exercise 1, Steps 2-4: Calculate Shannon Index and Evenness for three Forest EUs

Species Map



Species Table

EU	Individuals	p_i	$\ln(p_i)$	$p_i * \ln(p_i)$
EU02 = Forest tree cover				
Species (A)				
Species (B)				
Species (C)				
EU05 = Forest tree cover				
Species (A)				
Species (B)				
Species (C)				
EU10 = Forest tree cover				
Species (A)				
Species (B)				
Species (C)				

Summary Table

EU	Shannon Index	Evenness
EU02 = Forest tree cover		
EU05 = Forest tree cover		
EU10 = Forest tree cover		

Instructions: (1) Transfer the counts of individuals for each species from the map to the Species Table for EU02, EU05 and EU10.
(2) Sum the total number of individuals (A + B + C) for EU02, EU05 and EU10.
(3) Calculate p_i (individuals in species i as a proportion of total number of individuals in the EU)
(4) Calculate $\ln(p_i)$ for each species
(5) Multiply p_i by $\ln(p_i)$ for each species
(6) Calculate Shannon Index (add $p_i * \ln(p_i)$ for each species in EU); Multiply by -1
(7) Calculate Evenness = Shannon Index /ln(3)