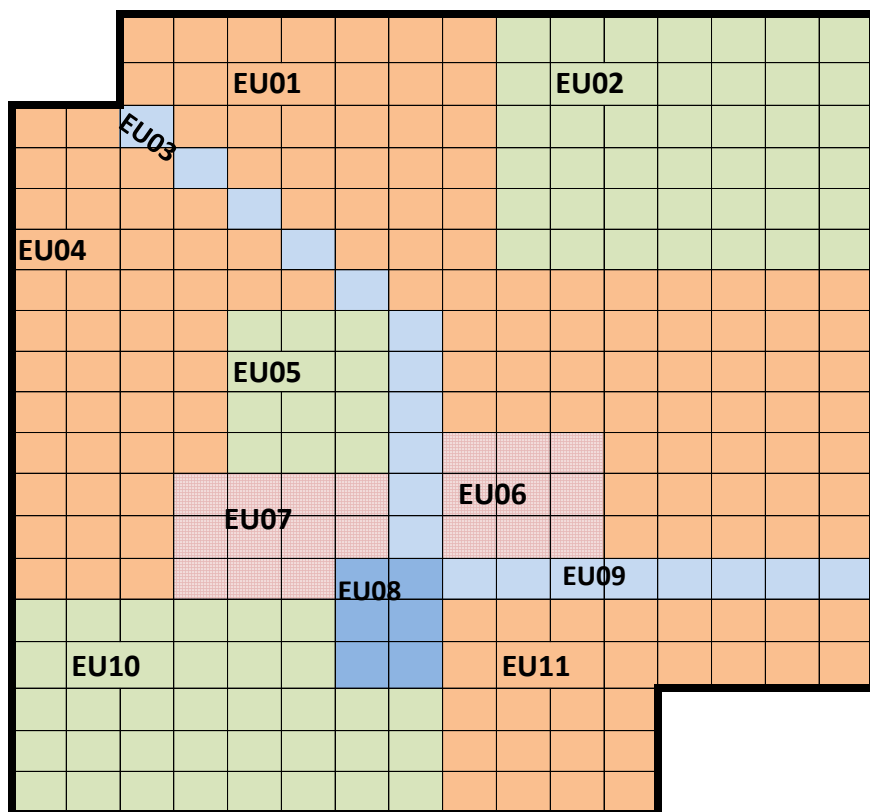


Spatial Units: Group Exercise 1: Calculate area of each EU and EU type



Note: One BSU = 250m*250m = 6.25 ha

EAU area = 288 BSUs = 18 km²

1 ha = (100m x 100m) = 10,000m²

1 km² = 100 ha = 1,000,000m²

EU Table

EU	BSU count	Area (km ²)
EU01 = Herbaceous crops		
EU02 = Tree covered areas		
EU03 = Inland water bodies		
EU04 = Herbaceous crops		
EU05 = Tree covered areas		
EU06 = Artificial surfaces (urban)		
EU07 = Artificial surfaces (urban)		
EU08 = Shrubs..regularly flooded (wetland)		
EU09 = Inland water bodies		
EU10 = Tree covered areas		
EU11 = Herbaceous crops		
Total		

Summary Table

EU Type	BSU count	Area (km ²)
Artificial surfaces (urban)		
Herbaceous crops		
Tree covered areas		
Inland water bodies		
Shrubs..regularly flooded (wetland)		
Total		

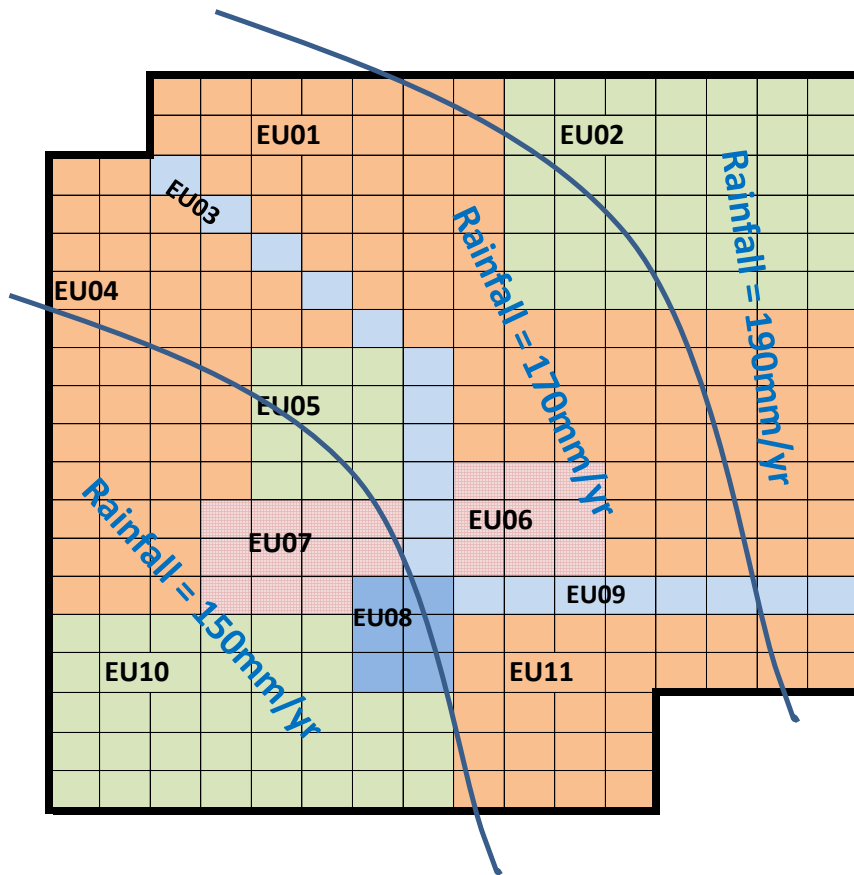
Note: 1 Km² = BSU count / 16

Instructions: (1) Count the BSUs in each EU and record in the BSU Count column of the EU Table.

(2) Calculate the area for each EU

(3) Add the BSU Count and Area for each EU type and record in the Summary Table

Spatial Units: Group Exercise2: Calculate average rainfall (mm/year) for each EU



Rainfall table

EU02	BSU Count	Total rainfall (mm)
A: Rainfall = 190mm/yr		=BSU*190
B: Rainfall = 170mm/yr		=BSU*170
Total		= A + B

Rainfall summary table

	BSU Count	Average rainfall (mm)
EU02 average Rainfall		=(A+B)/(BSU Count)

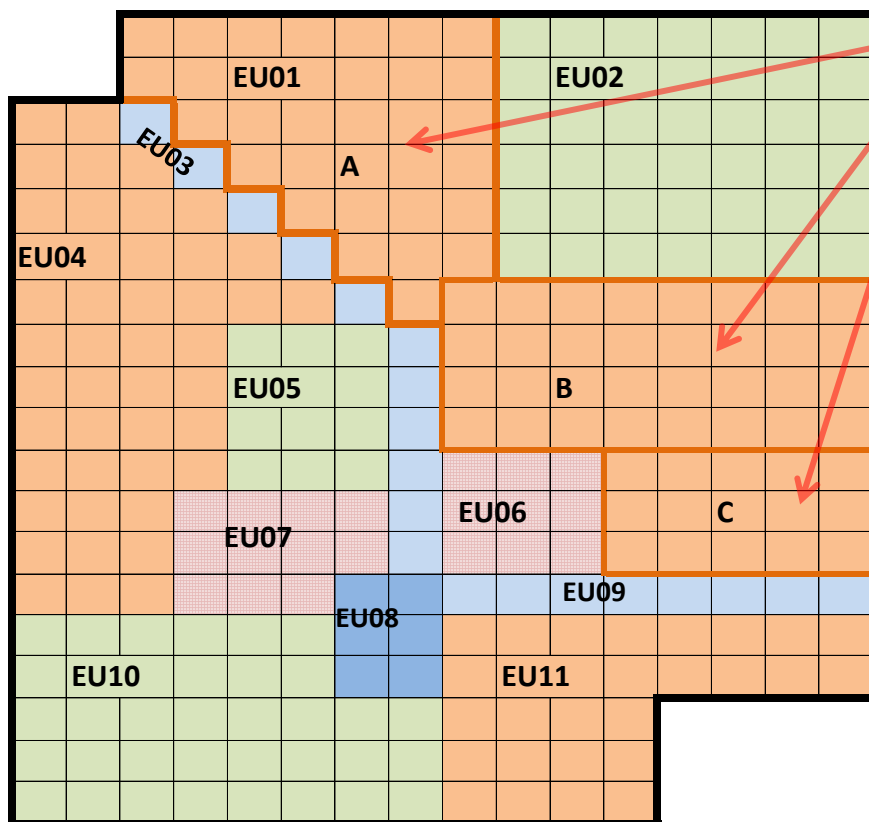
Instructions: (1) For EU02 only, count the number of BSU in each rainfall band. Record in the BSU Count column of the Rainfall Table. Count partial BSUs as well.

(2) Calculate the Total rainfall

(3) Calculate the Total BSU Count for EU02.

(4) Calculate the Average rainfall for EU02 (Total rainfall/total BSU count)

Spatial Units: Group Exercise3: Calculate average production (Tonnes/ha) for EU01



Farm productivity

Farm	Production (tonnes)	BSU Count	Productivity (tonnes/ha)
A	6,500		
B	9,000		
C	3,200		

=Production / BSU / 16

=Production / BSU / 16

=Production / BSU / 16

EU01 Productivity

	Total Production	BSU Count	Average Productivity
EU01			

=Production / BSU / 16

- Instructions: (1) Count the number of BSUs in each farm (A, B, and C). Record the results in the BSU Count column.
 (2) Calculate the Productivity of each farm (A, B, and C). Record in the result in the Productivity column.
 (3) Calculate the Total Production for EU01. Calculate the Total BSU Count for EU01.
 (4) Calculate the Average Productivity for EU01.