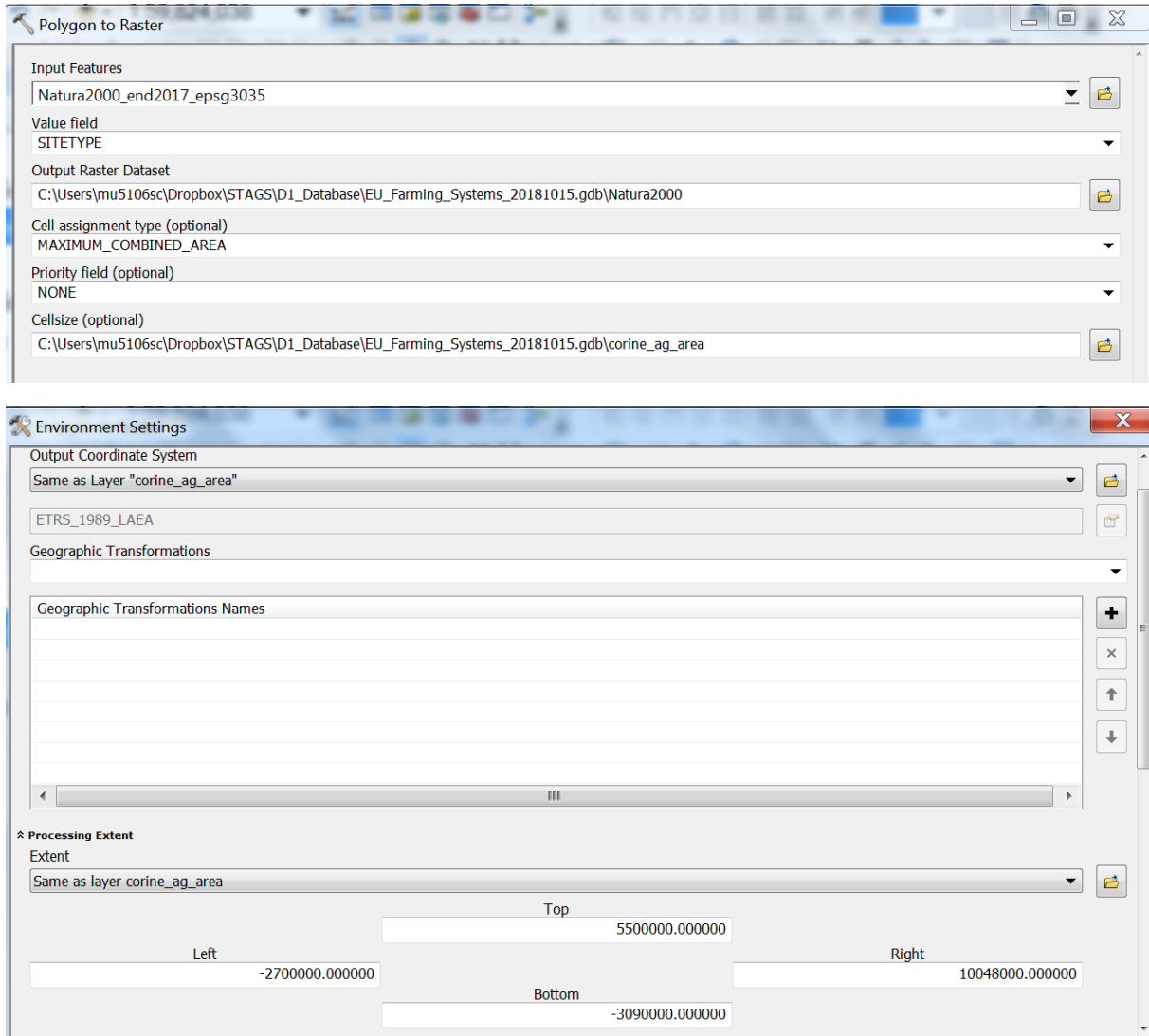


Date: 2018/12/21

Author: Murray Scown

Purpose: Processing NATURA 2000 GIS data

1. Downloaded Natura 2000 shapefile for end 2017 from <https://www.eea.europa.eu/data-and-maps/data/natura-9#tab-gis-data>
2. Converted shapefile to raster with same cell size and extent as the CORINE ag land grid



3. Reclassified letters representing SITETYPE to '1' and NoData to '0' because these actually mean not a Natura2000 area

Reclassify

Input raster
Natura2000

Reclass field
Value

Reclassification

Old values	New values
1	1
2	1
3	1
4	1
NoData	0

Classify...
Unique
Add Entry
Delete Entries

Load... Save... Reverse New Values Precision...

Output raster
C:\Users\mu5106sc\Dropbox\STAGS\D1_Database\EU_Farming_Systems_20181015.gdb\Natura2000_extent

☐ Change missing values to NoData (optional)

4. Calculated area of agricultural land covered by Natura2000 (SUM in hectares, AREA in m2).

"corine_ag_area" * "Natura2000_extent"

Output raster
C:\Users\mu5106sc\Dropbox\STAGS\D1_Database\EU_Farming_Systems_20181015.gdb\ag_Natura2000

Zonal Statistics as Table

Input raster or feature zone data
nuts2_corine_grid

Zone field
NUTS_ID

Input value raster
ag_Natura2000

Output table
C:\Users\mu5106sc\Dropbox\STAGS\D1_Database\EU_Farming_Systems_20181015.gdb\nuts2_ag_Natura2000

☒ Ignore NoData in calculations (optional)

Statistics type (optional)
SUM

5. Calculated total Natura2000 area within each NUTS2 (SUM in number of cells, AREA in m2)

Zonal Statistics as Table

Input raster or feature zone data
nuts2_corine_grid

Zone field
NUTS_ID

Input value raster
Natura2000_extent

Output table
C:\Users\mu5106sc\Dropbox\STAGS\D1_Database\EU_Farming_Systems_20181015.gdb\nuts2_Natura2000_area

☒ Ignore NoData in calculations (optional)

Statistics type (optional)
SUM