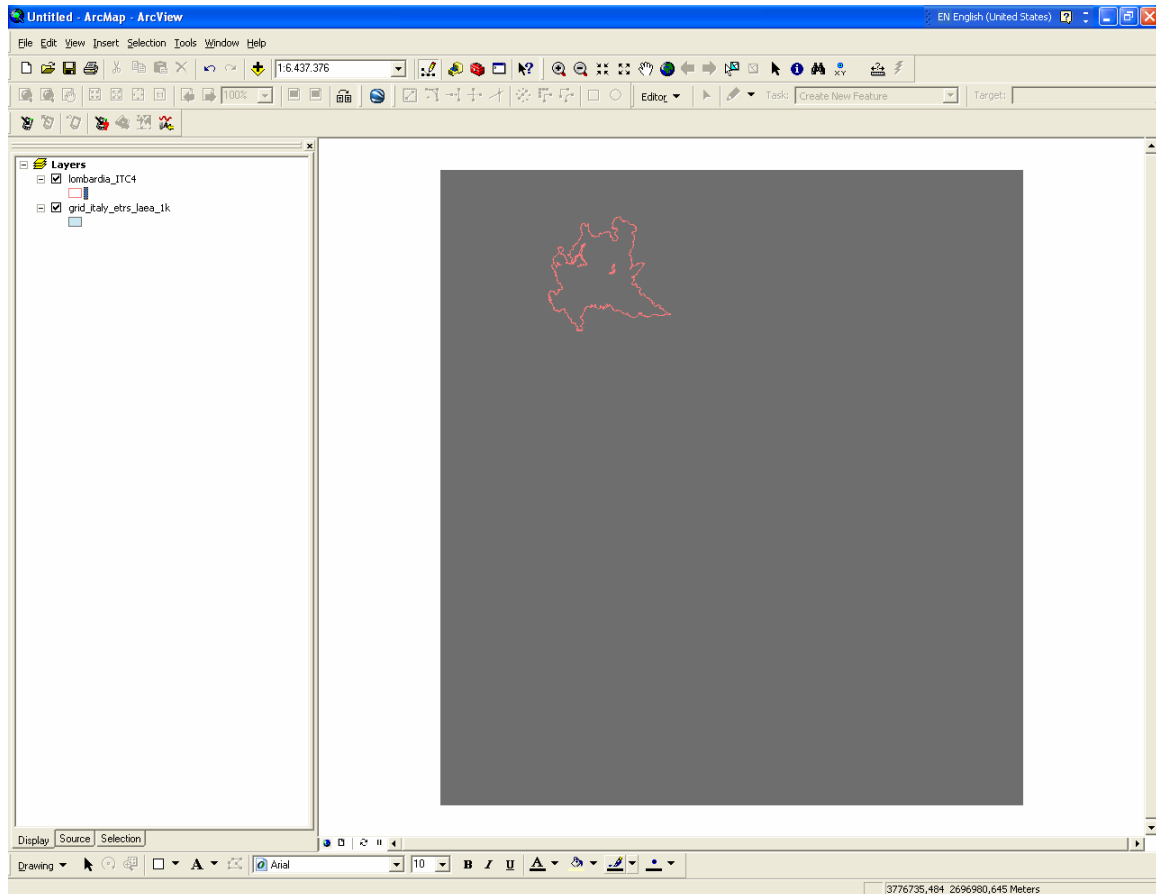


## Instructions on how to create a Reference Grid of a Region when you have the borders of the Region

**Software:** ESRI ArcGIS 9.x

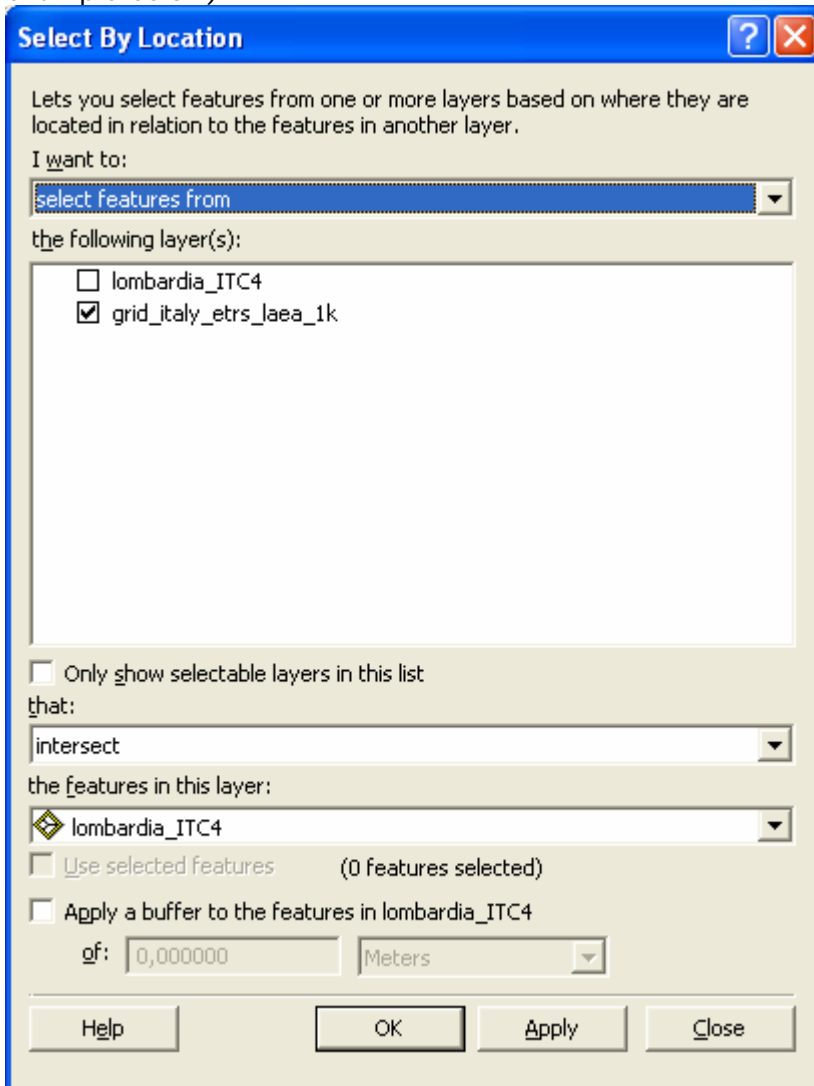
**Step 1:** Download the 1km x 1km Reference Grid of Italy from the site:  
[http://eusoils.jrc.it/library/reference\\_grids/reference\\_grids.cfm](http://eusoils.jrc.it/library/reference_grids/reference_grids.cfm)

**Step 2:** Open the shape file of your Region (over the shape file of the whole Country Grid). In this example, we are taking the borders of Lombardy:



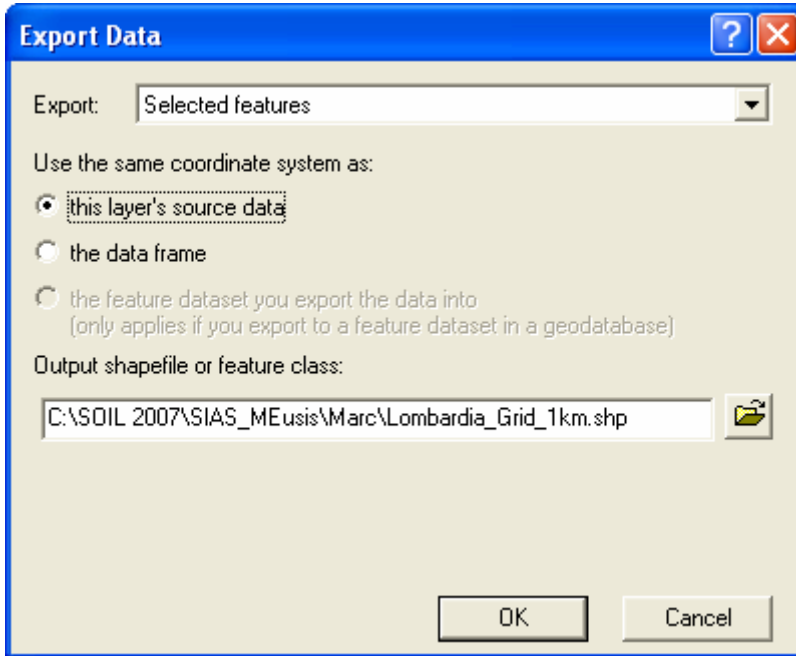
In red color are the borders of Lombardy where in gray color are the 1km x 1km reference grid.

**Step 3:** In ArcGIS, click on "Selection" → "Selection by Location": (Please see the example below)

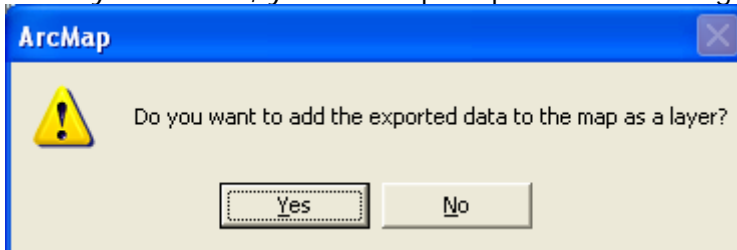


Instead of Intersect, the user may select another Function ("Are completely within", "Contain", etc).

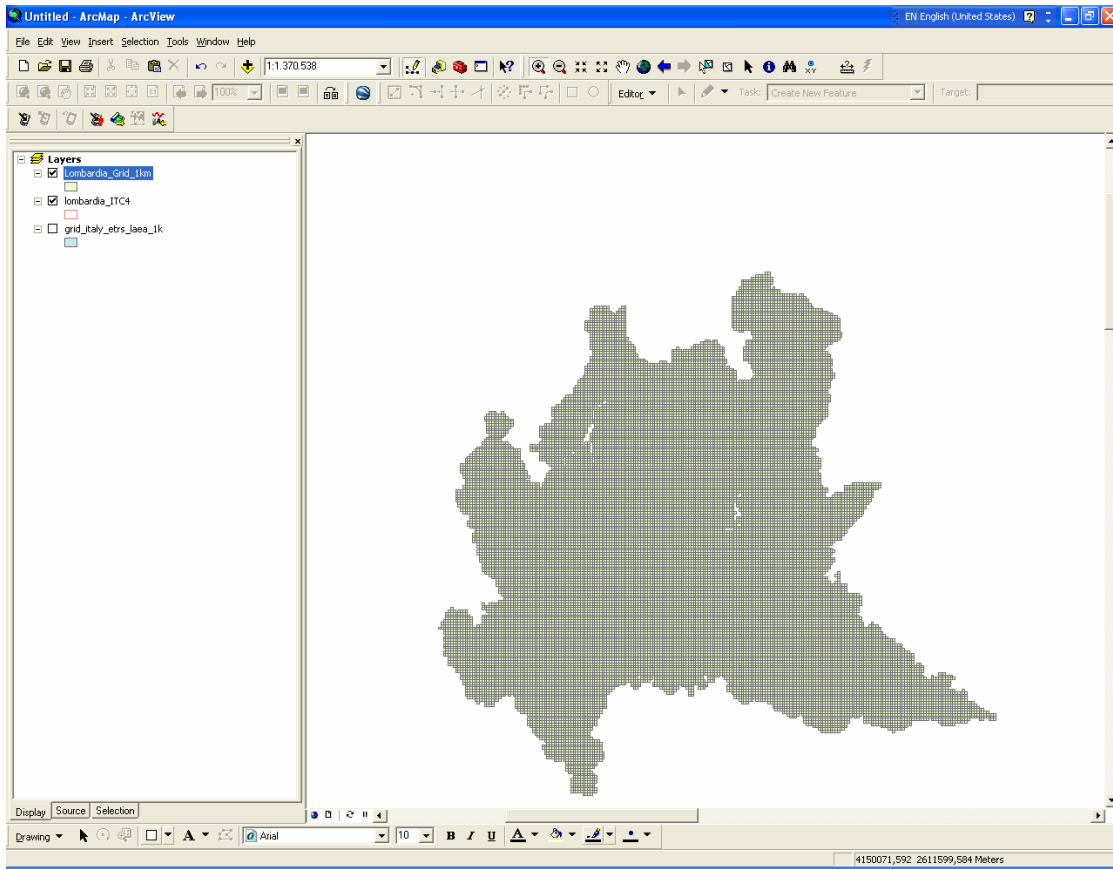
**Step 4:** Right Click on the "grid\_italy\_etrslaea\_1k" Layer and then "Data" → "Export Data" :



When you click ok, you will be prompted the following message:



**Step 5:** Select "Yes" and you may view only the Grid Cells of the selected area (Lombardy):



The Attributes of the Lombardy Grid:

The screenshot shows the 'Attributes of Lombardia\_Grid\_1km' table. The table has three columns: FID, Shape, and cell\_id. It lists 35 rows of polygon features with their respective cell IDs. The first row is selected.

FID	Shape	cell_id
0	Polygon	4202_2465
1	Polygon	4203_2465
2	Polygon	4203_2466
3	Polygon	4203_2467
4	Polygon	4204_2454
5	Polygon	4204_2455
6	Polygon	4204_2457
7	Polygon	4204_2458
8	Polygon	4204_2460
9	Polygon	4204_2461
10	Polygon	4204_2463
11	Polygon	4204_2464
12	Polygon	4204_2465
13	Polygon	4204_2466
14	Polygon	4204_2467
15	Polygon	4204_2468
16	Polygon	4205_2454
17	Polygon	4205_2455
18	Polygon	4205_2456
19	Polygon	4205_2457
20	Polygon	4205_2458
21	Polygon	4205_2459
22	Polygon	4205_2460
23	Polygon	4205_2461
24	Polygon	4205_2462
25	Polygon	4205_2463
26	Polygon	4205_2464
27	Polygon	4205_2465
28	Polygon	4205_2466
29	Polygon	4205_2467
30	Polygon	4205_2468
31	Polygon	4205_2469
32	Polygon	4205_2470
33	Polygon	4205_2471
34	Polygon	4206_2450
35	Polygon	4206_2451

Record: 1 Show: All Selected Records (0 out of 24424 Selected) Options