

Lesson plan – Industrial zones – Worksheet

Description of the exercise:

In this exercise you will look up the location of some industrial zones in Geel, a town in Flanders, Belgium, which are located within the ring road around Geel. Information about the industrial zones can be found on the website of the local authorities and other information has already been collected during a student filed trip. You will bring together all this information in your own information layer representing:

- the industrial zones and their name
- the number of companies which are located there
- how many people that work at that location

When you enter the data you will be able to visually present the information about the industrial zones on the map.

<i>number</i>	<i>instruction</i>	<i>iNotes</i>	<i>Teachers' / Trainers' activity</i>	<i>Pupils' / participants' activity</i>
1	Open ArcMap from the windows start menu		<input type="checkbox"/>	x
2	Add the raster maps: 16map.tif and 17map.tif .	1	<input type="checkbox"/>	x
	Now you will generate a new information layer on which you are going to draw your industrial zones. You will draw the industrial zones as a polygon, so choose polygon from the list.			
3	Generate the information layer in ArcCatalog: - choose polygon as the feature type - save the information layer as " <i>industrial zones</i> "	20	<input type="checkbox"/>	x
4	Add the information layer " <i>industrial zones</i> " in ArcMap	1	<input type="checkbox"/>	x
5	In ArcMap, create the following fields in the attribute table of the information layer " <i>industrial zones</i> ": - " <i>zone</i> " (text field containing the name of the zone) - " <i>number companies</i> " (numerical field containing the number of companies located in that zone, choose long integer as data type) - " <i>employment</i> " (numerical field containing the number of people employed in that zone, choose long integer as data type)	7	<input type="checkbox"/>	x
	Now you have prepared the information layer, you are ready to draw the industrial zones on it and to fill the attribute table with data.			
6	Go to the following url: http://geo-vlaanderen.agiv.be/geo-vlaanderen/bedrijventerreinen/ . You will find a map of Flanders there, zoom in on Geel (located in the red square on the printed map below), and look for the exact locations of industrial zones.		<input type="checkbox"/>	x

Lesson plan – Industrial Zones – Worksheet



12	Export your map showing the graphs as <i>Industrialzonesyourname.pdf</i> and save it in your portfolio on Moodle.	42	□	x
Congratulations! You have create your own maps!				

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information