

Introduction to statistics production with the use of geographical information systems (GIS) – Online course

OBJECTIVE(S)	<ul style="list-style-type: none"> ▪ To provide the participants with basic understanding on how to produce statistics with the use of geocoded statistical registers and map databases. Emphasis is on the use of Vector data and Vector tools, also getting to know and use the GIS-tool ArcGIS Pro. ▪ The course is introductory
CONTENTS	<ul style="list-style-type: none"> ▪ Introduction to geodata and GIS <ul style="list-style-type: none"> - What is GIS?, Spatial data models (Vector/Raster), Coordinate systems, etc. ▪ Getting to know ArcGIS Pro and core GIS functions ▪ Statistics and Geodata, the greater picture : <ul style="list-style-type: none"> - National frameworks - European framework (INSPIRE) - Global framework ▪ Statistical mapping : <ul style="list-style-type: none"> - Map elements and cartographic theory - interactive <> static maps - Creating a Statistical map in ArcGIS Pro ▪ Vector Grid statistics : <ul style="list-style-type: none"> - Basics and Production line for aggregated approach ▪ Spatial Analysis and Geoprocessing ▪ Network analysis in statistics production, using road networks ▪ Automating the GIS based statistics production line. Primary focus will be on using ArcGIS Model Builder, but also scripting in Python
EXPECTED OUTCOME	<p>The participants should have a good understanding on how to integrate geography in the statistical production.</p>
TRAINING METHODS	<p>The bulk of the of course will be “hands-on” for the participants, solving exercises in ArcGIS Pro. These will be based on pre-recorded video tutorials. In addition the training methods will be:</p> <ul style="list-style-type: none"> ▪ Lectures/presentations ▪ Assignment for all participants > create a statistical map in ArcGIS Pro, upload for evaluation on last day ▪ Exchange of views/experiences

PRACTICAL INFORMATION

WHEN	DURATION	WHERE	ORGANISER	APPLICATION VIA EFTA
Sept 27-28-30 Oct 01	4 days	Online	EFTA	Deadline: 22 August