

# Development of Labour Market Areas and illustration of their use in Official Statistics

Roma, Italy 27-29 September 2016

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<b>OBJECTIVES OF THE COURSE</b>	Improve competences in the development of LMAs and their further use in Official Statistics through ad hoc tools and real world examples.
<b>TARGET GROUP</b>	Officials and employees of National Statistical Institutes or corresponding Competent National Authorities (CNA) of EU Member States, EFTA countries, candidate countries and potential candidates countries and Eurostat holding an academic degree with some knowledge of statistics.
<b>ENTRY QUALIFICATIONS</b>	<p>The course is delivered in English, applicants should have a good command of the English language. They should be prepared to actively participate in discussions.</p> <p>The training session is aimed at people who are or will be in charge of creating labour market areas and statistical products based on this geography. Basic understanding and knowledge of commuting data and the way in which they are produced in the respective country is helpful.</p>
<b>TRAINERS</b>	The group of trainers has been working together for some time; it stems from different Istat sectors and comes from different backgrounds. This is done on purpose in order to address all dimensions involved into the development, implementation, dissemination and use of LMAs. They are methodologists, economists, geographers, R experts and IT specialists.
<b>TRAINING METHODS</b>	The training comprises of a balanced combination of theory and practice and propose various approaches: lectures, hands on data sessions, group discussion. The participants will be involved in exchanging best practice, know-how and experience as well as sharing definitions, concepts and procedures in order to develop common guidelines on LMA creation .
<b>SUGGESTED LITERATURE</b>	Study on comparable labour market areas: final research report. 17 October 2012. Eurostat Framework contract n° :6001. 2008.001 – 2009.065, Specific contract n°: 0405.2010.004 -2011.325, available at <a href="http://ec.europa.eu/eurostat/cros/content/study-comparable-labour-market-areas_en">http://ec.europa.eu/eurostat/cros/content/study-comparable-labour-market-areas_en</a> .

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## EXPECTED OUTPUT

The knowledge of the entire process of LMA design: from data identification to understanding of the regionalisation methodology and its implementation, parameter selection and LMA creation and visualization. Be able to produce adequate solutions to the need for the identification of functional regions. Knowledge of possible uses of this functional geography in order to be ready to produce relevant statistics at this level of geographical detail.

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## PRACTICAL INFORMATION

The course will be held at Istat headquarter in Rome, Via Cesare Balbo 18, 00184.

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## CONTENTS

### Day one – 21<sup>st</sup> September: **The algorithm: how to get LMA**

9.30 – 13.30



- ✚ Opening and rounds of introduction
- ✚ The need for harmonised LMA
- ✚ The algorithm for LMA creation
- ✚

14.30 – 17.30



- ✚ Implementation: use of the R package
- ✚ Analysis of input and output of the programme
- ✚ Hands on data session
- ✚ Analysis of the results

### Day two – 22<sup>nd</sup> September: **Finalisation of the geography and guidelines on its production**

9.30 – 13.30



- ✚ Creation of shape files to plot and investigate the geography
- ✚ Further steps to reach the final geography:
  - ✚ parameter selection
  - ✚ fine tuning of the results
- ✚ Hands on data session

14.30 – 17.30



- ✚ Guidelines for the development of LMAs
- ✚ Statistics produced at LMA level and further analysis
- ✚ Visualisation tools

Day three – 23<sup>rd</sup> September: **Use of this geography for official statistics purposes**

9.30 – 13.30



- ✚ Small area estimation for unemployment rate at LMA level
- ✚ Description of the method
- ✚ Implementation: hands on data session

14.30 – 17.30



- ✚ Industrial districts: the method used
- ✚ Analysis of the input and description of the algorithm
- ✚ Hands on data session
- ✚ Concluding remarks