

Programme of the ICA Tutorial on “Generalisation and Multiple Representation”

4 August 2007 – MOSCOW
Inscription via william.mackaness@ed.ac.uk

TUTORIAL SATURDAY 4th of AUGUST 2007	
Introduction	William Mackaness Introduction and overview Presentation of the ICA Commission activities Generalisation needs today Brief overview of the tutorial structure
T1	Liqiu Meng Operations, Algorithms and approaches to modelling the generalisation process Techniques in 2D vector based generalisation, 3D techniques (including existing good solutions, demo) Orchestration of the generalisation process Optimisation techniques and other approaches GIS vendors solution and research prototypes
T2	William Mackaness Spatial Analysis and Generalisation When and where to generalise Database enrichment and evaluation techniques Techniques for modelling patterns among and between classes of objects Analysis techniques to support the modelling of change over scale
BREAK	
T3	Christelle Vangenot Multiple Representation Databases (MRDB) and data matching What is Multiple Representation ? What is it good for ? Methods of representation and the control of content according to Levels of detail Database modelling and schemas supporting multiple representation How to build a multiple representation database (data matching and generalisation) MRDB and Updating process
LUNCH	
T4	Anne Ruas / Julien Gaffuri Agent and constraint based approach to automating the generalisation process Multi agent system principles Micro and meso generalisation based on agent and constraints based approaches Modelling interactions between agents Flexible agents to perform continuous changes
T5	Monika Sester Generalisation requirements for new technology and services Mobile applications and services, 3D generalisation
BREAK	
T6	Dirk Burghardt / Moritz Neun Generalisation and Web Services Definition of Web services Web generalisation services Development of a Generalisation open source platform
Conclusion	William Mackaness – Anne Ruas (Chairs) Monika Sester, Liqiu Meng, Dirk Burghardt, Moritz Neun, Christelle Vangenot Open discussion with the attendees
END OF THE DAY	