

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

10 July 2005 – A Coruna
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TUTORIAL	SUNDAY 10 JULY 2005
8.30 – 9.00	William Mackaness Introduction and overview Presentation of the ICA Commission activities Generalisation needs today Brief overview of the tutorial structure
9.00 – 10.00	Liqiu Meng Operations and Algorithms Techniques in 2D vector based generalisation, including 3D techniques (including existing good solutions, demo)
10.00 – 11.00	Robert Weibel Approaches to modelling the generalisation process Orchestration of the generalisation process Optimisation techniques and other approaches GIS vendors solution and research prototypes
11.00 – 11.30	BREAK
11.30 – 12.30	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
12.30 – 14.00	LUNCH
14.00 – 15.00	Sébastien Mustière Level of Detail and Multiple Representation Databases (MRDB) 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
15.00 – 16.00	Anne Ruas Agent and constraint based approach to automating the generalisation process Multi agent system principles Micro and meso generalisation with agent and constraints based approaches Modelling interactions between agents Development of learning processes for autonomous generalisation Interfacing agents via human computer interaction
16.00 – 16.30	BREAK
16.30 – 17.30	Monika Sester Generalisation requirements for new technology and services Mobile applications and services, 3D generalisation
17.30 – 18.30	William Mackaness – Anne Ruas (Chairs) Liqiu Meng, Sébastien Mustière, Monika Sester, Robert Weibel Open discussion Core activities and new challenges for agencies, vendors and researchers
18.30	END OF THE DAY