

Work Session on methodological issues involving the integration of statistics and geography
(Tallinn, Estonia, 25 – 28 September 2001)

PROVISIONAL AGENDA AND TIMETABLE

The meeting will start on Tuesday, 25 September 2001 at 9:00 a.m.
in the Conference Room Alfa in Olümpia Hotel, Liivalaia Street 33, Tallinn, Estonia

Time	Item	Topic	Documentation
Tuesday, 25 September 2001			
9:00 - 9:15	1	Opening of the meeting	Working Paper No. 1 Provisional Agenda
	2	Adoption of the agenda Designation of officers	
	3	Study Topic (i): New opportunities for GIS applications created through cooperation and partnership Session Discussant: Mr. Daniel Rase (Eurostat)	
9:15 - 9:30		Introduction by the Discussant	
9:30 - 10:05		Invited Paper "In Search of a Common Geographical Base for Geostatistics in EU (by Backer, Lars, Guiblin Philippe, Tammilehto-Luode, Marja, A joint paper by Finland, Sweden and United Kingdom) (25 minutes for presentation, 10 minutes for questions)	Working Paper No. 2
10:05 - 10:40		Invited Paper: Towards a strategy of geographic information in Europe (prof. Ian Masser, EUROGI) -- (25 minutes for presentation, 10 minutes for questions)	Working Paper No. 3
10:40 - 11:00		Coffee break	
11:00 - 11:15		Overview of the activities of the UN Geographic Information Working Group (Jana Meliskova, UNECE Secretariat)	
11:15 - 11:30		Summary of supporting papers by the Discussant	
11:30 - 12:30		Questions and short comments on supporting papers:	
		The United States Census Bureau's Local Update of Census Addresses Program: A Partnership with State, Local and Tribal Governments (Alfred Pfeiffer, US Bureau of the Census)	Working Paper No. 5
		Construction and service of the geographical database for the needs of the official statistics in Poland (Ewa Szustak and Bogdan Lesiak, Poland)	Working Paper No. 6
		The INE geographical information system (Milagros Garcia-Tenorio and Luisa Munoz, Spain)	Working Paper No. 7
		Land use statistics and the role of topographic map: some organisational aspects (Mathieu Vliegen and Nick van Leeuwen, Netherlands)	Working Paper No. 9
		The landscape group - Integration of statistical and administrative data with Land Cover information (Anette Björnsson, Eurostat)	Working Paper No. 10
		The example of partnership between French Statistical Institute, communes and Geographic Institute (Natalie Eltchaninoff, France)	Working Paper No. 11
12:30 - 14:00		Lunch break and demonstrations *	
14:00 - 15:30		Substantive discussion	
15:30 - 15:40		Conclusion of Study Topic (i) by the Discussant	
15:40 - 16:00		Coffee break	

Time	Item	Topic	Documentation
	4	Study Topic (ii): New technological solutions, including those based on online data access. Session Discussant: Marja Tammilehto-Luode (Statistics Finland)	
16:00 - 16:15		Introduction by the Discussant	
16:15 - 16:50		Invited Paper: Personal Navigation – national development programme NAVI 2001-2002 (Antti Rainio, Finland) -- <i>(25 minutes for presentation, 10 minutes for questions)</i>	Working Paper No. 12
16:50 - 17:25		Invited Paper: The SPIN project – spatial mining for data of public interest (Michael May, SPIN consortium) -- <i>(25 minutes for presentation, 10 minutes for questions)</i>	Working Paper No. 13
WEDNESDAY, 26 September 2001			
9:00 - 9:35		Invited Paper: The MANTLE project : Mapping Night-Time Light Emissions in the EU using Satellite-observed Visible-near infrared Emissions as a Policy Tool (Prof. David Briggs, MANTLE consortium)-- <i>(25 minutes for presentation, 10 minutes for questions)</i>	Working Paper No. 18
9:35 - 9:45		Summary of supporting papers by the Discussant	
9:45 - 10:45		Questions and short comments on supporting papers:	
		PX-Map and Statistics Across Borders – experiences with Nordic Regional Statistics and statistical thematic maps (Lars Rogstad, Norway)	Working Paper No. 4
		A new architecture for the GISCO reference database (Albrecht Wirthmann, Anette Björnsson, Eurostat)	Working Paper No. 14
		Organization of Mapping Services on the Internet: Possible Solutions (Natasha and Gennady Andrienko, Hans Voss, Germany)	Working Paper No. 16
		Dissemination of Statistical Geographic Information by Means of New Technology (Ulla-Maarit Saarinen, Finland)	Working Paper No. 17
		Geography and new census in France (Michel Isnard, France)	Working Paper No. 19
		From Census maps to the Central Spatial Database II (Inge Nael, Külli Tiits, Andrus Tamboom, Estonia)	Working Paper No. 32
		Serving customers using GIS-technology (Sinikka Laurila, Seija Öörni, Finland)	Working Paper No. 33
10:45 - 11:05		Coffee break	
11:05 - 12:20		Substantive discussion	
12:20 - 12:30		Conclusion of Study Topic (ii) by the Discussant	
12:30 - 14:00		Lunch break and demonstrations *	
	5	Study Topic (iii): Spatial analysis. Session Discussant: Alistair Calder (ONS, united Kingdom)	
14:00 - 14:15		Introduction by the Discussant	
14:15 - 14:50		Invited Paper: Residential differentiation studies by GIS (Mari Vaattovaara, Finland) -- <i>(25 minutes for presentation, 10 minutes for questions)</i>	Working Paper No. 20
14:50 - 15:25		Invited Paper: Using CORINE Land Cover to map population density and rural areas (Javier Gallego, Eurostat and JRC Ispra)-- <i>(25 minutes for presentation, 10 minutes for questions)</i>	Working Paper No. 21
15:25 - 15:45		Coffee break	
15:45 - 15:55		Summary of supporting papers by the Discussant	
15:55 - 16:25		Questions and short comments on supporting papers	
		The Development of Delineation Methods for Urban Areas for the Census 2000 (Liisa Kanerva, Finland)	Working Paper No. 23
		Visualization of disease surveillance data with geostatistics (Charles Croner, US Center for Disease Control and Prevention, Lee De Cola, U.S. Geological Survey)	Working Paper No. 25
		Census metropolitan area and census agglomeration influenced zones (MIZ): a description of methodology (Henry Puderer, Canada)	Working Paper No. 26
		Establishing Grid net for the whole of Finland (Maija Leppänen, Finland)	Working Paper no. 34
16:25 - 17:20		Substantive discussion	
17:20 - 17:30		Conclusion of Study Topic (iii) by the Discussant	

THURSDAY, 27 September 2001			
Time	Item	Topic	Documentation
	6	Study Topic (iv): Standards and metadata Session Discussant: Ms. Randy Fusaro (U.S. Census Bureau)	
9:00 - 9:15		Introduction by the Discussant	
9:15 - 9:50		Invited Paper: OGC: a framework for geospatial and statistical information integration (Michael Gould, Universitat Jaume I, Spain, and Louis Hecht, Jr., OpenGIS Consortium) -- (25 minutes for presentation, 10 minutes for questions)	Working Paper No. 27
9:50 - 10:25		Invited Paper: Geographic standards of the Commission services (Alessandro Annoni, JRC Ispra) -- (25 minutes for presentation, 10 minutes for questions)	Working Paper No. 28
10:25 - 10:45		Coffee break	
10:45 - 10:55		Summary of supporting papers by the Discussant	
10:55 - 11:15		Questions and short comments on supporting papers	
		The Importance of Standards and Metadata at the United States Census Bureau. (Randy Fusaro, US Bureau of the Census)	Working Paper No. 29
		U.S. Standards for Definitions of Metropolitan Areas and Other Official County Groupings (Kenneth Johnson, U.S. Bureau of Economic Analysis)	Working Paper No. 31
		Territorial aspects of statistical research in statistics of Serbia (Predrag Jovanovic, Federal Statistical Office of Yugoslavia)	Working Paper No. 22
11:15 - 12:15		Substantive discussion	
12:15 - 12:25		Conclusion of Study Topic (iv) by the Discussant	
12:25 - 12:40		Introduction to the Workshops by the Moderators: Bernie Gloyn, Lars Backer and Alistair Calder	
12:40 - 14:00		Lunch break and demonstrations *	
	7	Parallel Workshops	
		Workshop (a): Standardisation of Geographic Areas (in Conference Room Sigma) Moderator: Bernie Gloyn (Statistics Canada)	
14:00 - 14:45		<u>Introduction to the Workshop:</u> Review the underpinnings of functional/statistical areas created by Statistics Canada, with a focus on metropolitan areas.	
		Discussion	
14:45 - 15:00		Break	
15:00 - 15:45		<u>International Comparisons</u> Present the results from an international comparison of metropolitan areas, looking at differences and points in common in concepts and definitions.	
		Discussion	
15:45 - 16:05		Coffee break	
16:05 - 16:50		<u>Standardisation</u> Discussion of the potential value and approach to move towards more common concepts and definitions.	
16:50 - 17:05		Conclusions	
		Workshop (b): Point-based and area-based statistics (in Conference Room Alfa) Moderator: Lars Backer (Statistics Sweden)	
14:00 - 14:45		<u>Introduction to the Workshop:</u> "The Tandem project: A quest for defining a base for doing geo-statistics in cross border situations."	
		Discussion	
14:45 - 15:00		Break	
15:00 - 15:45		<u>Experiment 1: Working with Areas</u> In this experiment we will demonstrate the use of the Tandem approach to develop a better geographical base in terms of system of <u>small statistical areas</u> , to be used as a foundation for geo-statistical analysis and aggregation.	
		Discussion	
15:45 - 16:05		Coffee break	
16:05 - 16:50		<u>Experiment 2: Working with Grids (Points)</u> In this experiment we will demonstrate the use of a general Tandem approach to develop a better geographical base in terms of a <u>hierarchy of grids</u> , to be used as a foundation for geo-statistical analysis and aggregation.	
		Discussion	
16:50 - 17:05		Conclusions	

FRIDAY, 28 September 2001			
Time	Item	Topic	Documentation
	8	Workshop (c): Spatial analysis (in Conference Room Alfa) Moderator: Alistair Calder (ONS, United Kingdom)	
9:00 – 9:45		<u>Introduction to the Workshop:</u> What is spatial analysis and why might its application be of value in Statistical Agencies?	
		Discussion	
9:45 – 10:00		Break	
10:00 – 10:45		<u>Experiment 1: Working with Areas</u>	
		Getting started : Key statistical and spatial techniques for dealing with area statistics.	
		Discussion	
10:45 – 11:05		Coffee break	
11:05 – 11:50		<u>Experiment 2: Working with Grids</u>	
		Interpolation methods: transformation of data from points to surfaces. Spatial modelling: use of probability and high level statistical modelling to improve interpolation methods.	
		Discussion	
11:50 – 12:05		Conclusions – further opportunities for sharing experience	
12:05 – 13:35		Lunch break	
13:35 – 13:50		Summary of the Workshop (a) by the Moderator	
13:50 – 14:05		Summary of the Workshop (b) by the Moderator	
14:05 – 14:20		Summary of the Workshop (c) by the Moderator	
14:20 – 15:00	9	Future work	
15:00 – 15:30	10	Adoption of the report	Draft report
15:30	---	Closing of the meeting	---

* Demonstrations are planned by:

Estonia

Finland: Grid-based Statistics for Description of Regional Differences in Income Level (Jarmo Rusanen);

Israel: Land use project - extraction from GIS census database (Shahar Katz)

Combining statistical data with education data – a project for the Ministry of Education (Rinat Calvo)

Switzerland (Rainer Humbel)