



**UNSD-CELADE Regional Workshop on Census Cartography for the 2010
Latin America's census round
Santiago, Chile, 24-27 November, 2008**

Preliminary Agenda

<i>Time</i>	<i>Topic</i>		
<u>Monday November 24, 2008</u>			
	Opening		
8:30 – 9:00	<i>Registration of participants</i>		
9:00 – 9:30	Opening remarks UNSD, CELADE, CEA-CEPAL		
9:30 – 11:00	Session 1 – International recommendations on contemporary practices in census cartography and use of Geographic Information Systems (GIS) <u>Objective:</u> UNSD presents the recommendations gathered in the last Expert Group Meeting, held in New York in May 2007, as well as the new revised “ <i>Handbook on Geospatial infrastructure in support of Census Activities</i> ”. CELADE presents the results of the CEA/CEPAL questionnaire answered by each country early this year. – Presentation by UNSD – Presentation by CELADE – General Discussion		
11:00 – 11:15	<i>Coffee break</i>		
11:15 – 13:00	Session 2 – Definition of the national census geography <u>Objective:</u> UNSD presents an introduction on definition of the national census geography, including criteria and process of EA delineation, coding of geographic areas. Countries present their experiences in the definition of census areas (subdivision at disaggregated levels), either related to a national framework or to a well-designed subdivision defined by the NSO, and the impact of this definition in relation to the field work, cooperation of local governments, dissemination of the information, etc. – Presentation by UNSD presentation – Presentations by countries: A. Chile B. Uruguay C. Guatemala – General Discussion		
13:00 – 14:30	<i>Lunch</i>		
14:30 – 16:00	Session 3 – Definition of the national census geography (cont.) <u>Objective:</u> Countries present a review of the different methods used in the definition of other census management units (Definition of urban/rural areas...) – Presentations by countries: A. Honduras B. Ecuador C. Nicaragua – General Discussion	Presentations by Countries	
16:00 – 16:15	<i>Coffee break</i>		
16:15 – 17:30	Session 4- Constructing an EA-level database for the Census <u>Objective:</u> UNSD presents an overview on the different stages in the census geographic database development, including	UNSD Presentations by Countries	Pres. 3 (UNSD)

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	<p>geographic data sources for EA delineation; geographic data conversion through scanning and digitizing; constructing and maintaining topology; implementation of an EA database; and metadata development. Countries present their experiences in developing geographic databases for census.</p> <ul style="list-style-type: none"> - Presentation by UNSD - Presentation by Countries: <ul style="list-style-type: none"> A. Argentina B. Perú C. Costa Rica - General discussion 		
<u>Tuesday November 25, 2008</u>			
<p>9:00 – 11:00</p>	<p>Session 5 – Integrating fieldwork using satellite/aerial imagery and GPS <u>Objective:</u> UNSD presents an overview of the capabilities offered by satellite and aerial imagery and other geospatial technologies for the delineation/field validation of EA boundaries. Countries present their experiences in integrating field work using geospatial technology (GPS, RS, etc.).</p> <ul style="list-style-type: none"> - Presentation by UNSD - Presentations by countries: <ul style="list-style-type: none"> A. Brazil B. Panama C. Mexico - General Discussion 	<p>UNSD Country Presentations</p>	<p>Pres. 4 (UNSD)</p>
<p>11:00 – 11:15</p>	<p><i>Coffee break</i></p>		
<p>11:15 – 13:00</p>	<p>Session 6 - Use of geospatial tools during census enumeration <u>Objective:</u> UNSD presents an overview of geospatial technology support to census operations during the enumeration phase, including quality assurance, EA map production and database maintenance. Countries present a review of the different methods used for census area coverage control and measurement (is census cartography used for improving census coverage?)</p> <ul style="list-style-type: none"> - Presentation by UNSD - Presentation by countries: <ul style="list-style-type: none"> A. Bolivia B. Haití C. El Salvador - General Discussion 	<p>UNSD Country Presentations</p>	<p>Pres. 5 (UNSD)</p>
<p>13:00 – 14:30</p>	<p><i>Lunch</i></p>		
<p>14:30 – 16:00</p>	<p>Session 7 - Statistical analysis and dissemination of census data <u>Objective:</u> UNSD presents an introduction on the use of geospatial technology and Internet in support of statistical analysis and dissemination of census data with a review of experiences and different approaches of countries to disseminate their census information (policies, restrictions, advantages, etc.) and to distribute census products.</p> <ul style="list-style-type: none"> - Presentation by UNSD - Presentation by countries: 	<p>UNSD Country Presentations</p>	<p>Pres. 6 (UNSD)</p>

<i>Time</i>	<i>Topic</i>		
	A. República Dominicana B. Venezuela C. Cuba – General Discussion		
16:00 – 16:15	<i>Coffee break</i>		
16:15 – 17:30	Session 8– Organizational and institutional issues <u>Objective:</u> UNSD presents the organizational and institutional issues to be considered for geospatial implementation, including National Spatial Data Infrastructure (NSDI). Countries present their experiences in GIS project administration and management within the National Statistical Offices. – Presentation by UNSD – Presentation by Countries: A. Colombia B. Paraguay C. Brazil – General Discussion	UNSD Country Presentations	Pres. 7 (UNSD)
<u>Wednesday November 26, 2008</u>			
(technological presentations + exercises by GIS experts and providers) It is possible to involve ESRI in presenting exercises using ARCGIS			
9:00 – 11:00	Session 9 – Data Capture, processing and analysis: PDAs-GPS in census cartography <u>Objective:</u> present concepts of GPS and PDA's advantages and disadvantages in the process of census cartography creation and updating, and run exercises to illustrate the technical presentation. – Presentation by Ms. Gina Ghio, (Chile) – Exercises (including ESRI involvement)	- Presentation by GIS Expert - ESRI	Pres. A (Expert)
11:15 – 11:15	<i>Coffee break</i>		
11:15 – 13:00	Session 10- Satellite Images and aerial photographs <u>Objective:</u> present concepts related to satellite images and aerial photographs, advantages and disadvantages, and run exercises to illustrate the technical presentation. – Presentation by Mr. Carlos Patillo, (Chile) – Exercises (including ESRI involvement)	- Presentation by GIS Expert - ESRI	Pres. B (Expert)
13:00 – 14:30	<i>Lunch</i>		
14:30 – 16:15	Session 11 – Spatial analysis <u>Objective:</u> present the concepts of spatial analysis and new methodological issues in census data use of spatial analysis, and run exercises to illustrate the technical presentation. – Presentation by Mr. Luís Carvacho (Chile) – Exercises (including ESRI involvement)	- Presentation by GIS Expert - ESRI	Pres. C (Expert)
16:15 – 16:30	<i>Coffee break</i>		

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16:30 – 17:30	Session 12 – Internet and census data <u>Objective:</u> Present examples and experiences to the treatment of census data for dissemination through the Internet (web mapping, Internet data processing, etc. – Presentation by INE-Chile – General Discussion	Country presentation	
<u>Thursday November 27, 2008</u>			
9:00 – 11:00	Session 13 – Best practices in the use of GIS and census mapping <u>Objective:</u> Presentation of success factors for a GIS-based census mapping project, indicators to measure census coverage using cartography, and best practices in the Region. – Presentation by UNSD - Presentation by Luz Emilse Rincon, Colombia - Presentation by Raul Ponce, Chile, UN consultant – General Discussion	UNSD Country presentation Expert	Pres. 8 (UNSD)
11:00 – 11:15	<i>Coffee break</i>		
11:00 – 13:00	Session 14 – Commercial suppliers’ demonstrations <u>Objective:</u> Presentation by commercial providers of GIS/Remote sensing/handheld solutions for censuses. – Presentation by ESRI, INTERGRAPH, ERDAS, TRIMBLE, and Others – General Discussion	Commercial Providers	
13:30 – 14:30	<i>Lunch</i>		
14:30 – 16:15	Session 15 - Discussion and adoption of conclusions and recommendations <u>Objective:</u> Review of all the issues discussed during the previous days.		
16:15 – 16:30	<i>Coffee break</i>		
16:30 – 17:30	Session 17- (cont.) Discussion and adoption of conclusions and recommendations. – Evaluation by participants – End of the Workshop	UNSD	