UNSD-AITRS Regional Workshop on the Integration of Statistical and Geospatial Information

Amman, Jordan, 16-19 February, 2015

Provisional Agenda

(As of 9/01/2015)

Time	Topic	Presenter(s)
Monday, February 16, 2015		
Opening		
8:30 – 9:00	*Registration of participants*	
9:00 – 9:30	**Opening remarks** UNSD, ESCWA, AITRS	
9:30 – 11:00	**Session 1** – **International recommendations on contemporary practices in census cartography and use of Geographic Information Systems (GIS) and other geospatial information tools;** – **Country experiences in integrating statistical and geospatial information using geography.** Objective: UNSD presents the recommendations made by the Expert Group on the Integration of Statistical and Geospatial Information, as well as the new revised "Principles & Recommendations", and the results of the questionnaire answered by each country early this year. Countries briefly outline their experience in the use of geospatial information in support of their census/statistical activities (e.g. their experiences in GIS project administration and management within the National Statistical Offices). – Presentation by Amor Laaribi, UNSD – Presentations by countries	
11:00 – 11:15	*Coffee break*	
11:15 – 13:00	**Session 1 – Country experiences in integrating statistical and geospatial information using geography (Cont.)** – Presentations by countries – General Discussion	
13:00 – 14:30	*Lunch*	

14:30 – 16:00	**Session 2 – Definition of the national census geography**
	
	Objective**:** Present 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 Amor Laaribi, UNSD
	– Presentation by Roberto Bianchini, Consultant (Italy)
	– Presentations by countries:
	  A. x
	  B. x
		Presentations by:
		- UNSD
		- Consultant
		- Countries

Time	Topic	Presenter(s)
	C. x – General Discussion	
16:00-16:15	*Coffee break*	

16:15 – 17:30	**Session 2 – 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. x
	   B. x
	   C. x
	 – General Discussion
		Presentations by
		 - Countries

	Tuesday, February 17, 2015	

9:00 – 10:30	**Session 3- Constructing an EA-level census geography database**
	
	 <u>Objective</u>**:** UNSD/Consultant present an overview on the different stages in the census geographic database development, including 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.
	
	 – Presentation by Amor Laaribi, UNSD
	 – Presentation by Derek Azar, Consultant (US Census Bureau)
	 – Presentation by Countries:
	   A. x
	   B. x
	   C. x
	 – General discussion
		Presentations by:
		 - UNSD
		 - Consultant
		 - Countries

10:30-10:45	*Coffee Break*	

10:45 – 12:30	**Session 3 – Integrating fieldwork using satellite/aerial imagery and GPS (cont.)**
	
	 <u>Objective</u>**:** UNSD/Consultant present 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.).
	
	 – Presentation by Derek Azar, Consultant (US Census Bureau)
	 – Presentations by countries:
	   A. x
	   B. x
	   C. x
	 – General Discussion
		Presentations by:
		 - Consultant
		 - Countries

12:30 – 14:00	*Lunch*	
14:00 – 15:30	**Session 4 - Use of mobile devices during census enumeration** <u>Objective</u>**:** UNSD/Consultant present present concepts of GPS and PDA's advantages and disadvantages in the process of census data collection, and run exercises to illustrate the technical presentation.	Presentations by:

Time	Topic	Presenter(s)
	– Presentation by Amor Laaribi, UNSD – Presentation by Derek Azar, Consultant (US Census Bureau)	- UNSD - Consultant
15:30 – 15:45	*Coffee Break*	

15:45 – 17:30	**Session 4 - Use of mobile devices during census enumeration (cont.)**
	Objective**:** Countries present their experience in the use of mobile devices (GPS, PDAs, Tablets, smart phones, etc) during their censuses.
	– Presentations by countries:
	   A. x
	   B. x
	   C. x
	– General Discussion
		Presentations by
		- Countries

Wednesday, February 18, 2015

Time	Topic	Presenter(s)
9:00 – 10:30	**Session 5 - Spatial analysis and Internet-based dissemination of census data** Objective**: Consultants** present the concepts of spatial analysis and new methodological issues the spatial analysis of census data and run exercises to illustrate the technical presentation. This includes also methodologies to define and classify urban and rural population using census data. Present an introduction on the use 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. – Presentation by Roberto Bianchini – Presentation by Derek Azar – General Discussion	Presentations by: - Consultants
10:30 – 10:45	*Coffee break*	

10:45 – 12:30	**Session 5– Spatial analysis and Internet-based dissemination of census data (cont.)**
	
	Objective**:** Present examples and experiences on the treatment of census data for Internet dissemination (web mapping, Internet data processing, etc.)
	
	– Presentation by Countries:
	   A. x
	   B. x
	   C. x
	– General Discussion
		Presentations by:
		- Countries

12:30 – 14:00	*Lunch*	
14:00 – 15:30	**Session 6- – Best practices in the use of GIS and census mapping- Organizational and institutional issues** Objective: Presentation of success factors for a GIS-based census mapping project, indicators to measure census coverage using cartography, and best practices in the Region. Run exercises to produce a map of coverage error for a given admin. level and publish it to the web using an Opensource platform. – Presentation by Derek Azar, Consultant (US Census Bureau) – Presentation by Roberto Bianchini, Consultant (Italy) – Exercises (including ESRI involvement)	Presentations by - Consultants - Esri

Time	Topic	Presenter(s)
15:30 – 15:45	*Coffee Break*	
15:45 – 17:30	**Session 6 – – Best practices in the use of GIS and census mapping- Organizational and institutional issues (Cont.)** Objective**:** UNSD presents the organizational and institutional issues to be considered for geospatial implementation, including National Spatial Data Infrastructure (NSDI) and cooperation between NSOs and NMAs. - Presentation by Amor Laaribi, UNSD – General Discussion	Presentation by: - UNSD
	Thursday, February 19, 2015	
	(technological presentations + exercises by GIS experts and providers) It is possible to involve ESRI in presenting exercises using ARCGIS)	
9:00 – 10:30	**Session 7 – Practical examples on the use of geospatial tools in support of census activities , including commercial suppliers' demonstrations** Objective: Presentations by consultants and commercial providers of GIS/Remote sensing/handheld solutions for censuses. – Presentation by Roberto Bianchini, Consultant (Italy) – Presentation by Esri and Others – General Discussion	Presentations by: - Consultant - Commercial Providers
10:30 – 10:45	*Coffee break*	
10:45 – 12:30	**Session 7 – Commercial suppliers' demonstrations (Cont.)** Objective: Presentation by commercial providers of GIS/Remote sensing/handheld solutions for censuses. – Demonstrations by Esri and others – General Discussion	Presentations by: - Commercial Providers
12:30 – 14:00	*Lunch*	
14:00 – 15:30	**Session 8 - Discussion and adoption of conclusions and recommendations** Objective: Review of all the issues discussed during the previous days. - Summary of discussions - Recommendations	UNSD/AITRS
15:30 – 15:45	*Coffee break*	
15:45 – 17:00	**Session 8- (cont.) Discussion and adoption of conclusions and recommendations** – Evaluation by participants – End of the Workshop	UNSD/AITRS