The proposal of the GSBPM model improvement in terms of spatial component of the statistical production process

Statistics Poland -> a comparison between the GSBPM and the national business process model has been carried out.

Findings:

- The important areas are not included in the GSBPM, although they are important and necessary in the actual production process introduced in practice after last census.

- The analysis revealed shortages of the GSBPM model, which essentially concerned statistical data spatial aspects from the stage of **designing the data collection**, **geocoding, analysis and providing** geospatial characteristics of statistical products.

Statistics Poland

The proposal of the GSBPM model improvement in terms of spatial component of the statistical production process

Statistics Poland -> a comparison between the GSBPM and the national business process model has been carried out.

Statistics Poland suggest that the current GSBPM model should be modified by adding the following new sub-processes:

- Phase 2: sub-process   „**2.5a Design geocoding frame, sample & data collection**";

- Phase 4: sub-processes „**4.1a Geocode frame & sample" and**

    „**4.3a Geocode collection**";

- Phase 6: sub-process   „**6.2a Prepare spatial analyzes & maps**";

- Phase 7   sub-process   „**7.2a Manage spatial analyzes & maps using GIS**„.

Statistics Poland

The Polish proposal of the GSBPM model enriched with a spatial component of the statistical production process

Quality Management/Metadata Management							
1 **Specify Needs**	**2** **Design**	**3** **Build**	**4** **Collect**	**5** **Process**	**6** **Analyse**	**7** **Disseminate**	**8** **Evaluate**
1.1 Identify needs	2.1 Design outputs	3.1 Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.1 a Geocode frame & sample	5.2 Classify & code	6.2 Validate outputs	7.2 Produce dissemination products	8.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design collection	3.3 Build or enhance dissemination components	4.2 Set up collection	5.3 Review & validate	6.2 a Prepare spatial analyses & maps	7.2 a Manage spatial analyses & maps using GIS	8.3 Agree an action plan
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.3 Run collection	5.4 Edit & imput	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	
1.5 Check data availability	2.5 Design processing & analysis	3.5 Test production system	4.3 a Geocode collection	5.5 Derive new variables & units	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.6 Prepare business case	2.5a Design geocoding frame, sample & data collection	3.6 Test statistical business process	4.4 Finalise collection	5.6 Calculate weights	6.5 Finalise outputs	7.5 Manage user support	
	2.6 Design production system & workflow	3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

Statistics Poland

The proposal of the GSBPM model improvement in terms of spatial component of the statistical production process

- **Conclusion:**

The introduction of new sub-processes would enrich the model with a spatial component of the statistical production process, which will allow a better understanding of spatial data as well as its role and place in the modernisation of the statistical production process and the standardization of methodologies merging statistical data with spatial data.

Quality Management/Metadata Management							
1 Specify Needs	**2** Design	**3** Build	**4** Collect	**5** Process	**6** Analyse	**7** Disseminate	**8** Evaluate
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Thank you for your attention

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