



# TOWARDS MRDB IN PRODUCTION AND UPDATING OF DLM/DCM

**Hüseyin ÇELİK, Özlem SİMAV**

HGK, Harita Genel Komutanlığı-General Command of Mapping  
Cartography Department, Cebeci TR06100 Ankara, TURKEY

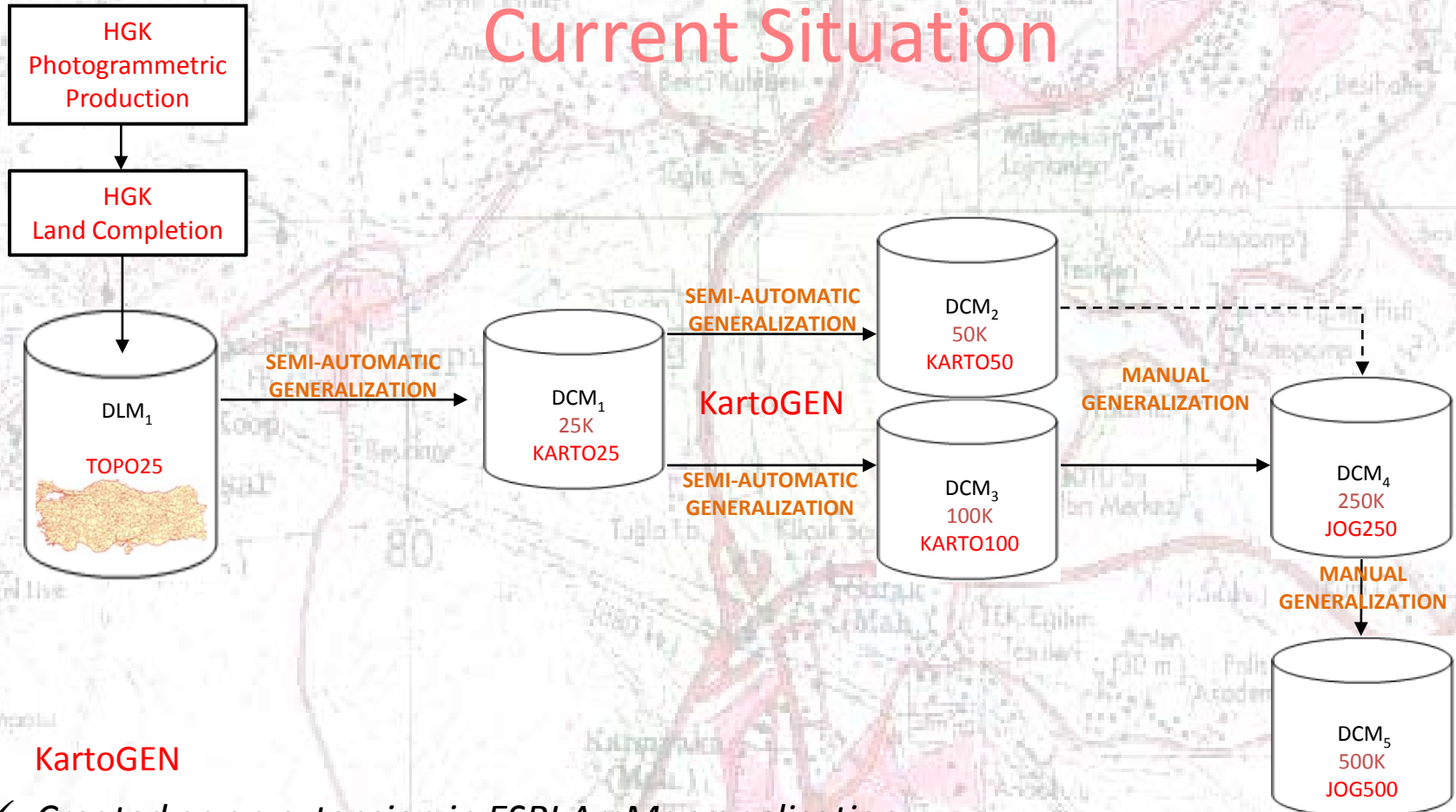
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# Overview

➤ HGK Topographic (DLM) /Cartographic (DCM) Database : The Current Situation

➤ Our plans for MRDB?

# Current Situation



## KartoGEN

- ✓ Created as an extension in ESRI ArcMap application
- ✓ Components are created in ESRI ArcObjects architecture which is based on .NET technology
- ✓ The process includes cartographic oriented generalization
- ✓ Parameters for controlling the process are stored into separate control database tables

# Current Situation

- ✓ A seamless DLM.
- ✓ There is no connection between the following databases
  - ✓ The products are not connected to the main database.
  - ✓ Separate update cycles for each separate model.
  - ✓ We have to wait one model being updated to proceed another

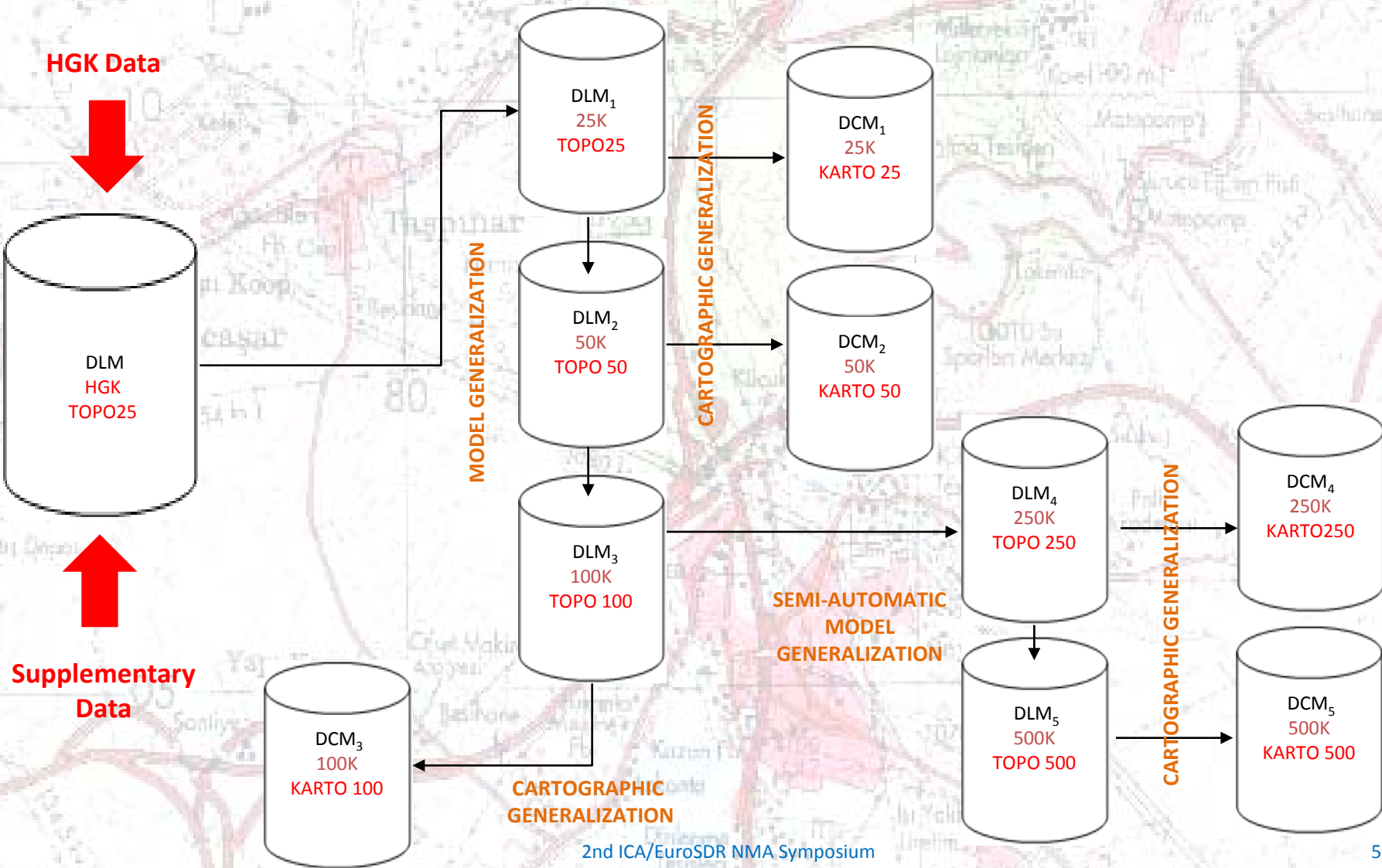
# Current Situation

Due to the unavailable design of the current DLM (TOPO25) and the different updating cycle of each database, the implementation of MRDB in the production process was not considered so far.

**However;** rising demands for updated data in multi scales and for multi purposes, it is now broadly considered.

To meet these requirements the MRDB is a good solution and it can be offer us better management of updating and better optimization of generalization processes.

# What we plan?



## What we plan?

- To modernize our production system by designing efficient and flexible primary database
- To use unique IDs to perform the matching process.
- To automatically derive secondary databases from our core database by using model generalization techniques.
- To obtain final product (DCM) by cartographically editing and generalizing the relevant DLM.

# What we plan?

- To keep consistency across our product while we are incrementally updating them
- To define the update cycle and strategy (feature by feature? or sheet by sheet?)
- To realize our plan we will mainly use;
  - ORACLE for database management
  - ESRI products for generalization and cartographic editing



*Thanks for your attention...😊*

[ozlem.simav@hgk.msb.gov.tr](mailto:ozlem.simav@hgk.msb.gov.tr)

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