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**United Nations Group of Experts on  
Geographical Names****2023 session**

New York, 1–5 May 2023

Item 14 of the provisional agenda\*

**Geographical names data management****Indonesian geographical names information system  
(SINAR): improving the interoperability and usability of  
geographical names****Summary\*\***

In Indonesia, geographical names standardization is aimed at providing a comprehensive, accurate and easily accessible geographical names database. Data integration among stakeholders is a significant challenge in creating a national database. The Geospatial Information Agency (Badan Informasi Geospasial) is developing and advancing its geographical names information system, SINAR (Sistem Informasi Nama Rupabumi), to tackle this issue. The main focus of the current development is to integrate the SINAR database as a national database of geographical names and implement the “create once, use many times” principle. Therefore, the Agency has integrated geographical names from various ministries and developed the geographical names application programming interface.

Currently, data integration is conducted with a data-collection process that is partially utilized by the application programming interface used by some ministries. Meanwhile, some ministries are still using traditional data integration by exchanging file-based data. Next, the data collected are processed and integrated into SINAR to carry out the geographical names verification and standardization process. The verified and standardized geographical names in SINAR can be accessed and utilized by stakeholders in various ways.

To improve the interoperability and usability of geographical names among stakeholders, the Agency initiated the development of the geographical names application programming interface in 2021. This interface allows other systems (managed by ministries and local governments) to access and interact with the geographical names data maintained in the SINAR database. However, implementing this interface has been challenging, especially providing one that meets users’ needs.

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\* GEGN.2/2023/1.

\*\* The full report was prepared by Hanif Arafah Mustofa, Septin Mulatsih Rezki, Ahmad Kosasih and Muhammad of the Geospatial Information Agency. The report will be available at [https://unstats.un.org/unsd/ungegn/sessions/3rd\\_session\\_2023/](https://unstats.un.org/unsd/ungegn/sessions/3rd_session_2023/), in the language of submission only, as document GEGN.2/2023/48/CRP.48.



Moreover, it needs further improvement, including with regard to the implementation of user roles in the application programming interface system, application programming interface catalogue provision, geocoding improvement, and implementation of geographical name codification to support linked data, metadata provision and Resource Description Framework generation.

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