United Nations | DESA Statistics Division

Building capacities on small area estimation (SAE)

Ms. Heather Page, UNSD
14th IAEG-SDG Meeting
25 October 2023

The SAE4SDG Toolkit

- **The Toolkit on Using Small Area Estimation for SDGs**
  https://unstats.un.org/wiki/display/SAE4SDG/

- Available in a wiki space to provide information on methods to produce disaggregated data through small area estimation.
  - Launched March 2022
  - UNSD, supported by IAEG-SDGs and ISWGHS
  - Newly available software packages and case studies continue to be added

eLearning on SAE

A joint effort of ECLAC-UNSD-UNFPA:

https://learning.officialstatistics.org/user/index.php?id=103

- Reading materials
- Recorded videos (50 videos with about 10-15 minutes for each video), organized in 10 modules
- Evaluation materials including weekly computer-graded assessments, two mid-term projects, and a final project
- R program language code that can be used for SAE modelling

- Opened in August 2023
  - Self-paced students on the platform: 435
  - Guided learning sessions with an extra 1.5-hour per week to provide guidance: 200 students registered and we are currently supporting around 120 students from Asia, Africa and Latin America
  - SIAP will continue the support for countries in Asia and the Pacific next year

Geospatial data for SAE: a review of its potential, limitations and effectiveness

1. An overview of SAE method, why and the audience of the review
2. Input data: geospatial data and training data
3. Geospatial SAE methods
4. Skills and tools to apply the methods
5. Future research and work

- Joint work with the World Bank
- Timeline: End 2023
- Partners: World Bank, SAE expert, ECLAC Statistics Division, Asian Development Bank, IAEG-SDGs, ISGI

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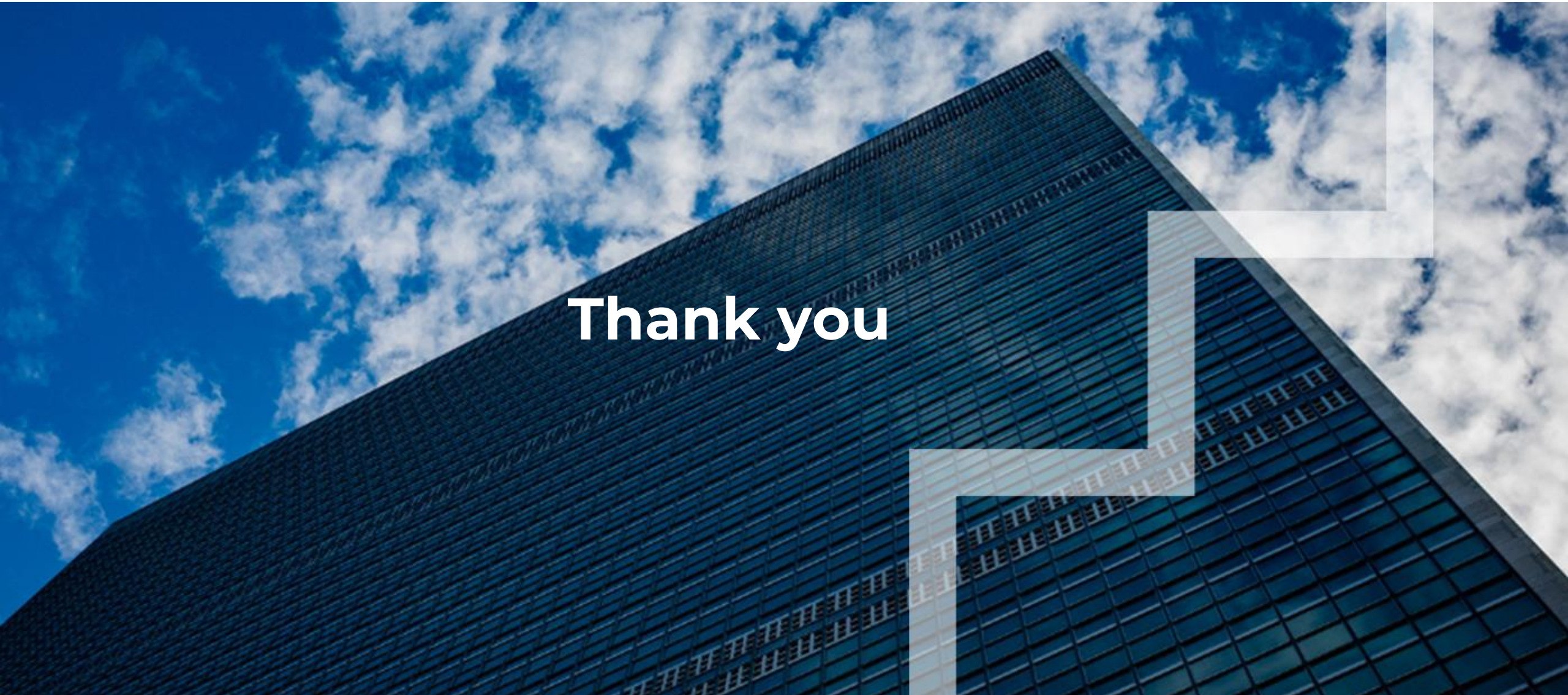

Thank you