

**National Workshop on Population Projections
Tbilisi, Georgia, 20-24 May 2019¹**

**Organized by the United Nations Department for Economic and Social Affairs (DESA),
Population Division, and hosted by GEOSTAT the National Statistics Office of Georgia**

Tentative Agenda

20 May 2019, 9am – 5pm

Opening

GEOSTAT

UN-DESA, Population Division (Tim Miller and Thomas Spoorenberg)

Session 1. Introduction (Tim Miller)

- 1.1 *Why do we need population projections?*
- 1.2 *Why are we bad at making them?*
- 1.3 *The basic accounting identity of demography*
- 1.4 *The Lexis diagram*
- 1.5 *The cohort component projection method*
- 1.6 *Training exercise: Lexis diagrams*

Session 2. Establishing the starting population (Thomas Spoorenberg)

- 2.1 *Evaluate the quality of the data*
- 2.2 *Deficient and incomplete data: methods for correction*
- 2.3 *Transfer the population to midyear*
- 2.4 *Training exercise: Preparing the starting population*

21 May 2019, 9am – 5pm

Session 3. Fertility component (Thomas Spoorenberg)

- 3.1 *Analysis of past fertility trends: levels and age patterns*
- 3.2 *Training exercise: Baseline fertility data for Georgia*
- 3.3 *Projection of future fertility trends*
- 3.4 *Training exercise: Fertility assumptions for Georgia*

Session 4. Mortality component (Tim Miller)

- 4.1 *The life table*
- 4.2 *Assessing the completeness of register data*
- 4.3 *Training exercise: Constructing a life table*
- 4.4 *Projection of future mortality trends*

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4.5 *Training exercise: Mortality assumptions for Georgia*

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Session 5. Migration component (Thomas Spoorenberg)

- 5.1 *Analysis of past migration trends: levels and age patterns*
- 5.2 *Training exercise: Baseline migration data for Georgia*
- 5.3 *Projection of future migration trends*
- 5.4 *Training exercise: Migration assumptions for Georgia*

Session 6. National population projections (Tim Miller)

- 6.1 *The components of the cohort component projection method*
- 6.2 *Detailed procedures for making population projections using the DAPPS software*
- 6.3 *Examining graphs and tables in DAPPS*
- 6.4 *Training exercise: A population projection for Georgia*
- 6.5 *How to design integrated scenarios*
- 6.6 *Training exercise: Integrated scenarios for Georgia*

23 May 2019, 9am – 5pm

Session 7. Subnational population projections (Tim Miller and Thomas Sporrenberg)

- 7.1 *Subnational components*
- 7.2 *Interregional migration*
- 7.3 *Insuring consistency with national projections*
- 7.4 *The Feeney method*
- 7.5 *Iterative proportional fitting*
- 7.6 *Detailed procedures for making subnational projections using software*
- 7.7 *Training exercise: Subnational population projections for Georgia*

24 May 2019, 9am – 5pm

Session 8. Innovations in data visualization methods (Thomas Spoorenberg and Tim Miller)

- 8.1 *How to present population results*
- 8.2 *Using indicators: population ageing*
- 8.3 *Quantifying projection uncertainty thru probability fans*
- 8.4 *3-D visualizations: R, 3D printing, and AR*
- 8.5 *Training exercise*

Session 9. Conclusions and Final Discussion

Closing

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