GIS, Big Data: First Steps, Challenges and Future Plans
GIS and Big Data – First Steps

✓ CPI Project – Scanning databases of large supermarkets

✓ Disaster Statistics Project – UNESCAP, Regional Emergency Response and Disaster Risk Reduction Centre

✓ Digitalization in SDG context technical assistance project – Asian Development Bank
GIS and Big Data – Key challenges

**CPI Project**
- Obtaining access to databases of large trade companies
- Technical issues of data reading and processing

**Disaster Statistics Project**
- Availability of data for developing disaster management model
- Need to build capacity and to develop human resources

**ADB Digitalization Project**
- ToR is being prepared, priority MDGs to be determined
- Need to build capacity and to develop human resources
GIS and Big Data – Future Plans

✓ CPI Project – to continue the work by engaging Atameken National Entrepreneurs Chamber

✓ Disaster Statistics Project – to complete UNESCAP training, close collaboration with Emergency Committee and Regional Emergency Response and Disaster Risk Reduction Centre

✓ ADB’s Digitalization technical assistance project - to identify 2-3 priority SDGs, ways to obtain (GIS, Big Data) missing data, including disaggregated data
GIS and Big Data – Examples

Geomaps on various offences – Legal Statistics and Special Records Committee under the General Prosecutor’s Office

http://infopublic.pravstat.kz/
GIS and Big Data – Examples

Implementation of UNECE Smart City Project in Nur-Sultan, capital city, by Astana-Innovation JSC

Use of different data sources related to housing construction and urban development, including such data sources as:

✓ at the national level (population and housing census, household surveys);
✓ at local level (SDG data for evidence-based urban policies);
✓ Big Data, geospatial information;
✓ Private sector statistics and partnerships for data collection
THANK YOU FOR ATTENTION!