Group Discussion

Benefits and Challenges of Adoption of Electronic data collection Technologies in Population and Housing Censuses

Regional Workshop on the 2020 World Programme on Population and Housing Censuses: International Standards and Contemporary Technologies, 12-15 March 2019, Ankara - Turkey

Thank you,
to those who contributed
for these discussions and conclusions.

The participants represented the following
of countries:
Gambia, Iran, Indonesia, Uganda, Malaysia,
Bangladesh,Turkey and Albania

Together, everyone archives

more pieces of the puzzle.

Post

Data visualisation tool allow anyone to organize and present information Intuitively

Pre enum
...fort for developing system infrastructure.

Challenges
① Maps ...
② Accuracy of the maps detected by GPS ... geolocation.

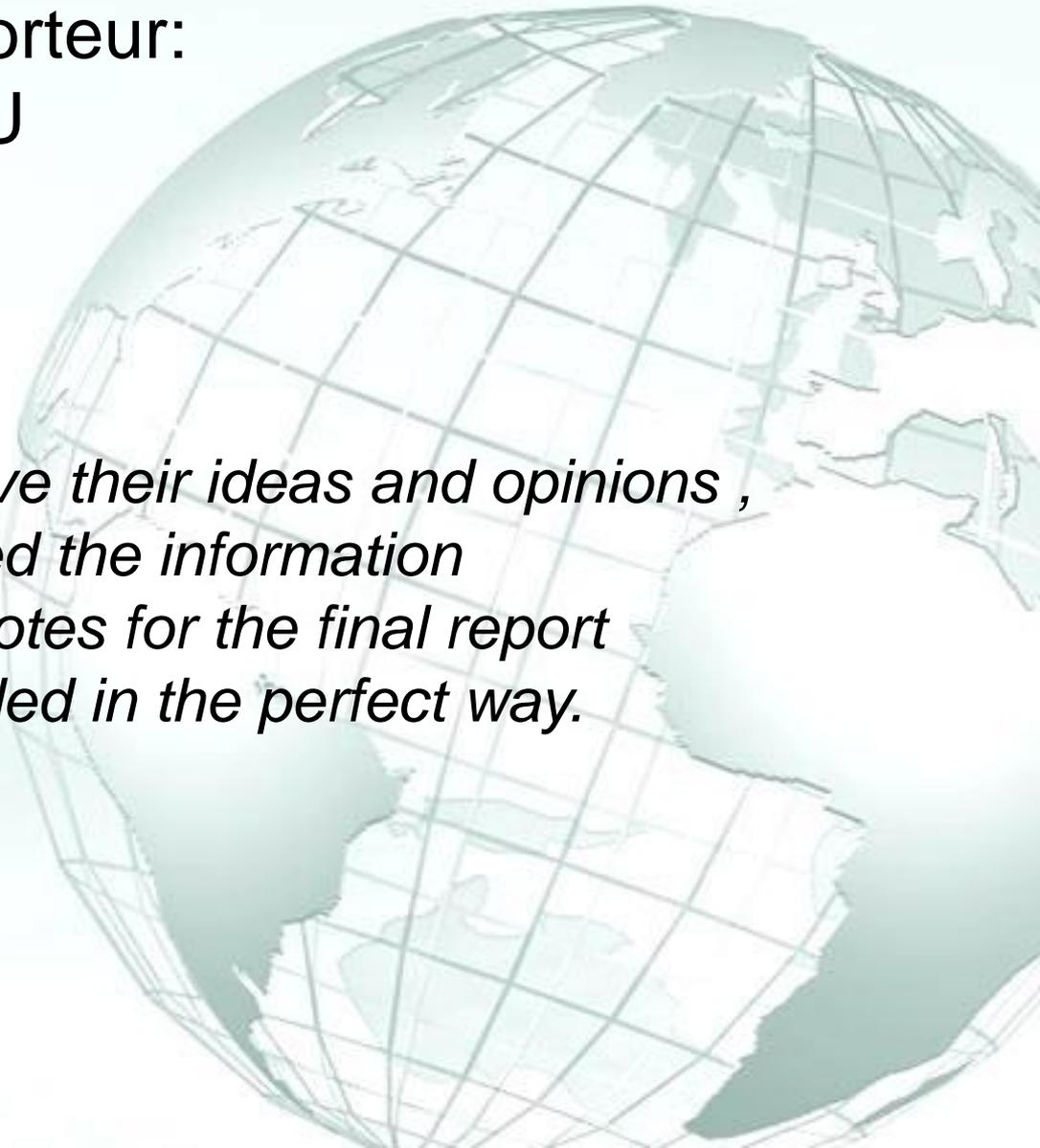people using enum
✓ Integrated analysis

Post
Generating census data area statistics or specific area for war.
2) Producing thematic maps from various sources especinally).
Pre
Generating census
E Delineation of Enumeration for 2020 cen... map from OSM

Challenge
GIS Software
— Cost of procuring the necessary GIS Software

Challenge
— Interoperability
— Common standards & formats

Challenge:
— Cost and time to create maps.
— Size of maps can performance bottlen...

Post enum benefit
- comprehensive analysis

...ang.

We collect data in individual household level ... the data ...
expertise and ...ical capabilities
2) Need by investmen
3)

Thank you very much
to our Group Rapporteur:
Eda Evin AKSU

After, that everyone give their ideas and opinions ,
she collected the information
and kept every notes for the final report
that she concluded in the perfect way.

Benefits

1. Easy to monitor field work
2. Collects paradata
3. Improve data quality (skips, validations, verifications, etc.)
    1. Provides making consistency checks during field work, real time editing and supervision
4. Time saving (one-time data capture, entry, Pre-entered values)
5. Integration with GPS and GIS
6. Improved security and data confidentiality (user authorization, encryption, etc.)
7. Trouble shooting will be handled easier
8. Provides data collection regardless of online or offline collection
9. Reduced data processing requirements,
10. Faster dissemination / release of results

Challenges

1. Cost considerations of investment (tablets, technical expertise, software etc.)
2. Need qualified human resources
3. Limitations depending on technological problems
4. Risk of system failure (energy, hacking, etc.)
5. More time needed in the preparatory stage
6. Editing rules must be well tested before application
7. Need for sustainable power supply and capable broadband network coverage
8. Theft, damage, loss of equipment
9. Internet attacks to web application
10. Data integration from multi mode sources
11. Change and project management