

# UN World Data Forum (UNWDF) Webinar Series 2020 Round of Population and Housing Census: The use of new technologies to improve accuracy, coverage, and timeliness

## Use of GIS tools to support census operations and dissemination of results

Linda Peters, Global Business Development Manager, Esri

[lpeters@esri.com](mailto:lpeters@esri.com)

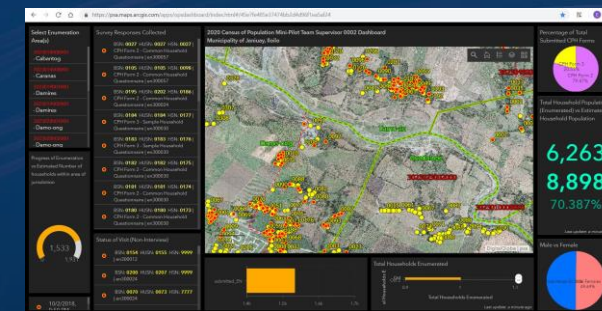
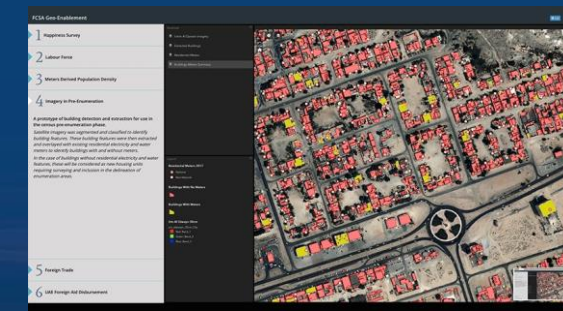
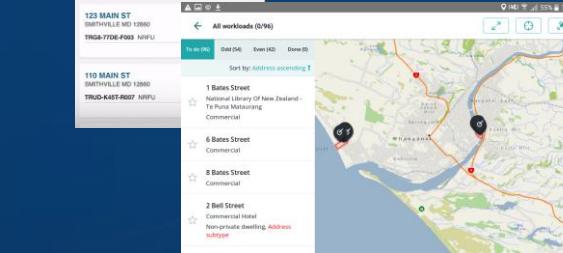
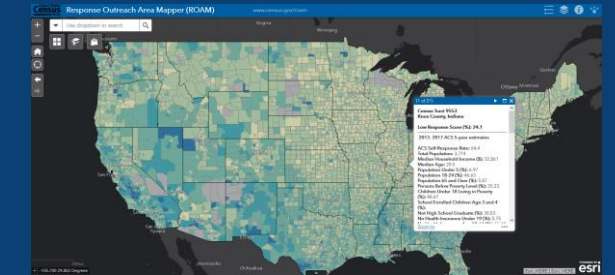
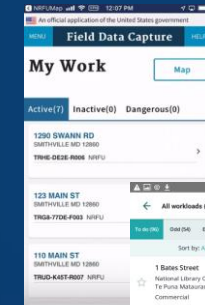




# Use of GIS in Census Operations

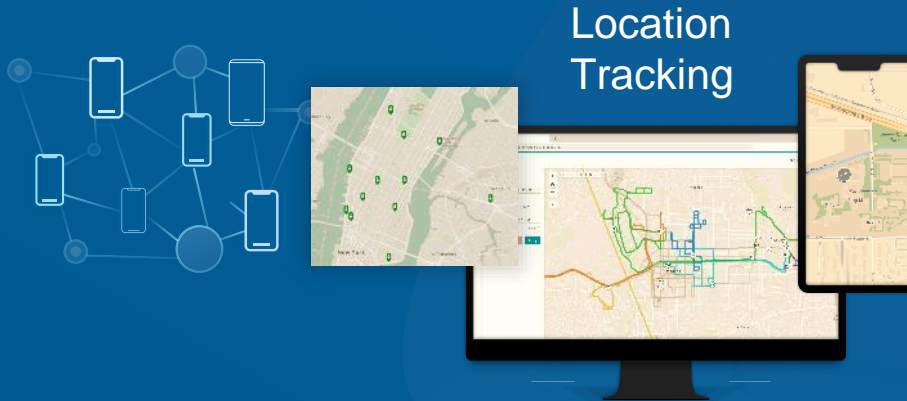
Begins in planning and extends throughout GSBPM cycle

- Creation of GeoDatabase
- In office address canvassing
- Creating efficient enumeration areas (EAs)
- Response outreach
- Optimizing site placement of field offices
- Optimizing capital and asset distribution
- Optimizing workforce and routes
- Integration of administrative and big data
- Operational dashboards
- Mobile map packages



# GIS in Field Operations Location-Enabling All Aspects of Field Work

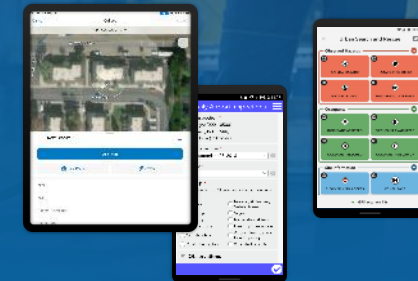
- Tracking
- Offline Workflows
- Preplanned Routes



## Navigation



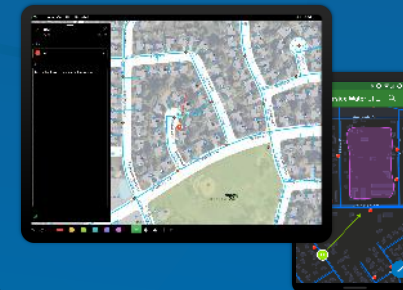
## Data Capture



## Planning and Management



## Maps & Mark Up





# GIS and Dissemination

## Dynamic and Data-driven Smart Maps

- Geographic aggregation of data
- Information products including maps, reports, atlases, and interactive websites
- Marketing of geographic census products
- Outreach and education
- **SDGs – measure, monitor and report**

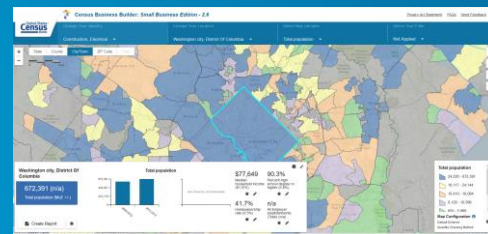
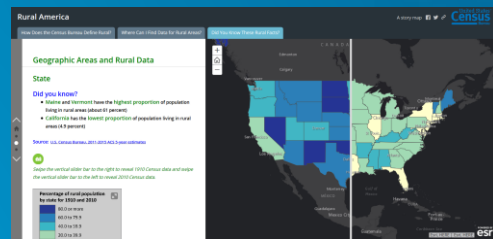
### Statistical Yearbook



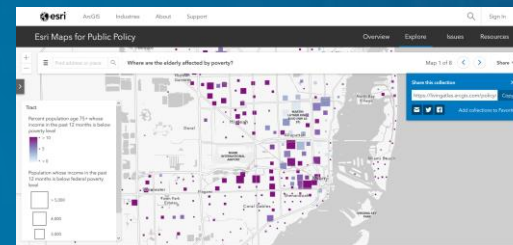
### SDG Reporting



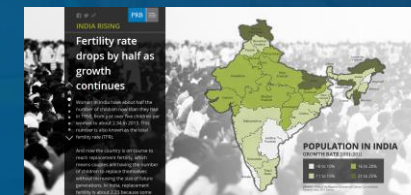
### Applications



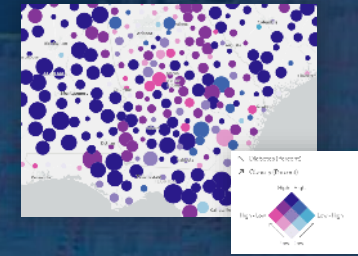
### Maps for Policy Makers



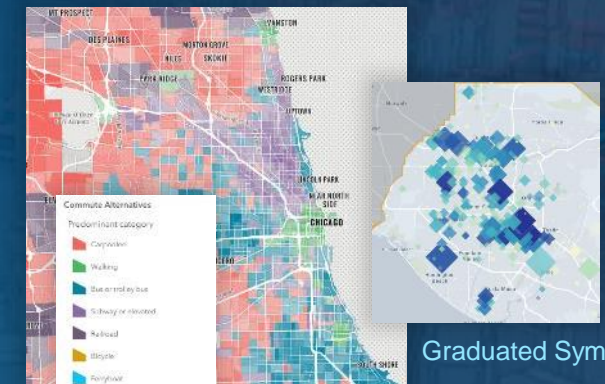
### Story Maps



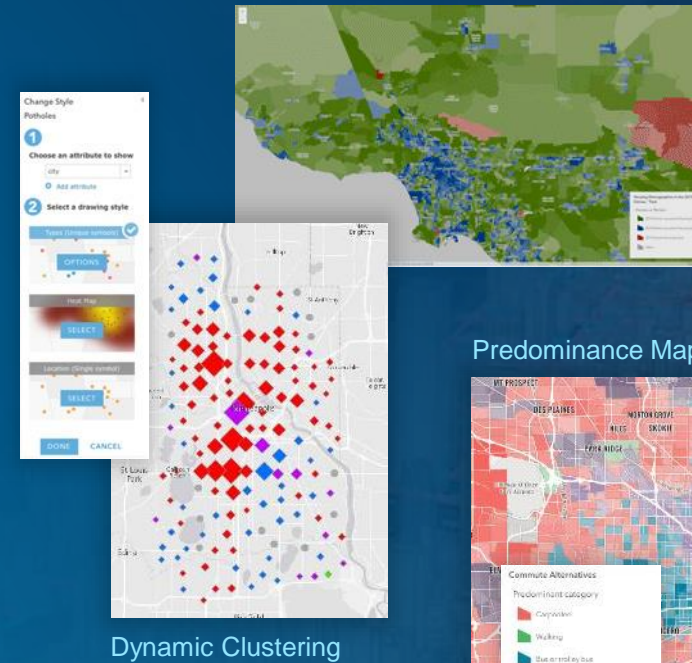
### Multivariate



### Predominance Mapping



### Graduated Symbols





# Thank you!



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For more information:  
Linda Peters [lpeters@esri.com](mailto:lpeters@esri.com)

