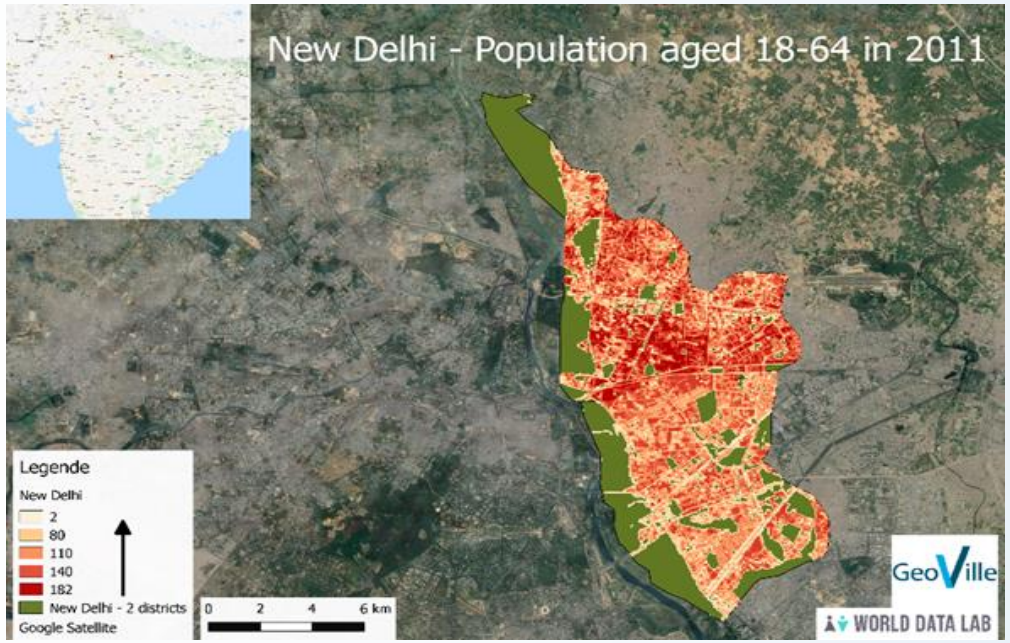
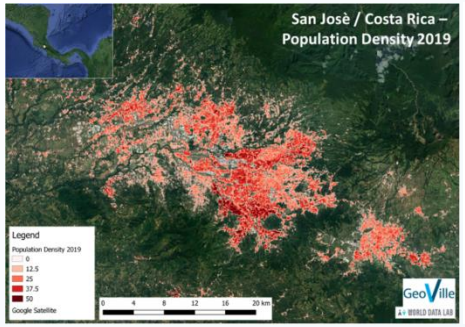
EO services contributing to SDGs

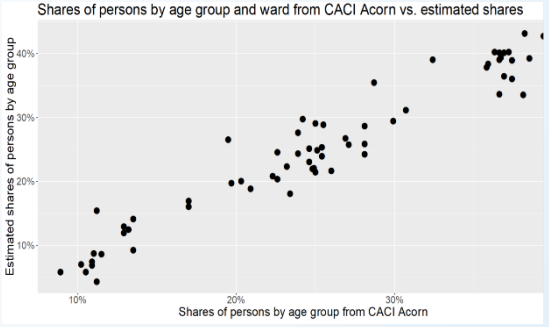
Population density, modelling and forecasting

- **Users:** Development Agencies, Urban planning Agencies, IFIs
- **Challenge**: Enhancing census data with EO to provide high resolution and accuracy estimations of demographic parameters, and its evolution in time, to inform sustainable urban plans, specifically for slums and informal settlements' improvement policies.
- **Initiative:** DemographEye – Automated population density mapping and modelling using EO data + modelling and forecasting of a variety of demographic variables at global scale and at unprecedented resolution.
- **Results**: EO data significantly improves existing census data through a modelling approach based on land cover and land use information. DemographEye links EO derived population density with state-of-the art demographic models. The unique approach not only provides spatially explicit demographic data along with information on other parameters (age, health, education, income), but also allows long-term forecasting at different levels of granularity (25, 50 & 100m)

Target 11.3: By 2030, enhance inclusive and sustainable urbanization and capacity for participatory, integrated and sustainable human settlement planning and management in all countries.







- **Service provider:** GeoVille

References: https://business.esa.int/projects/agespot

EARSC
European Association of Remote Sensing Companies