World Bank

Survey Solutions

Survey Solutions CAPI/CAWI Platform
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Components of Census Operations

Housing Census

georeferenced

Population Census

CAPI/CAWI/CATI

Complete Geo-Referenced national Population

(including administrative/statistical boundaries)
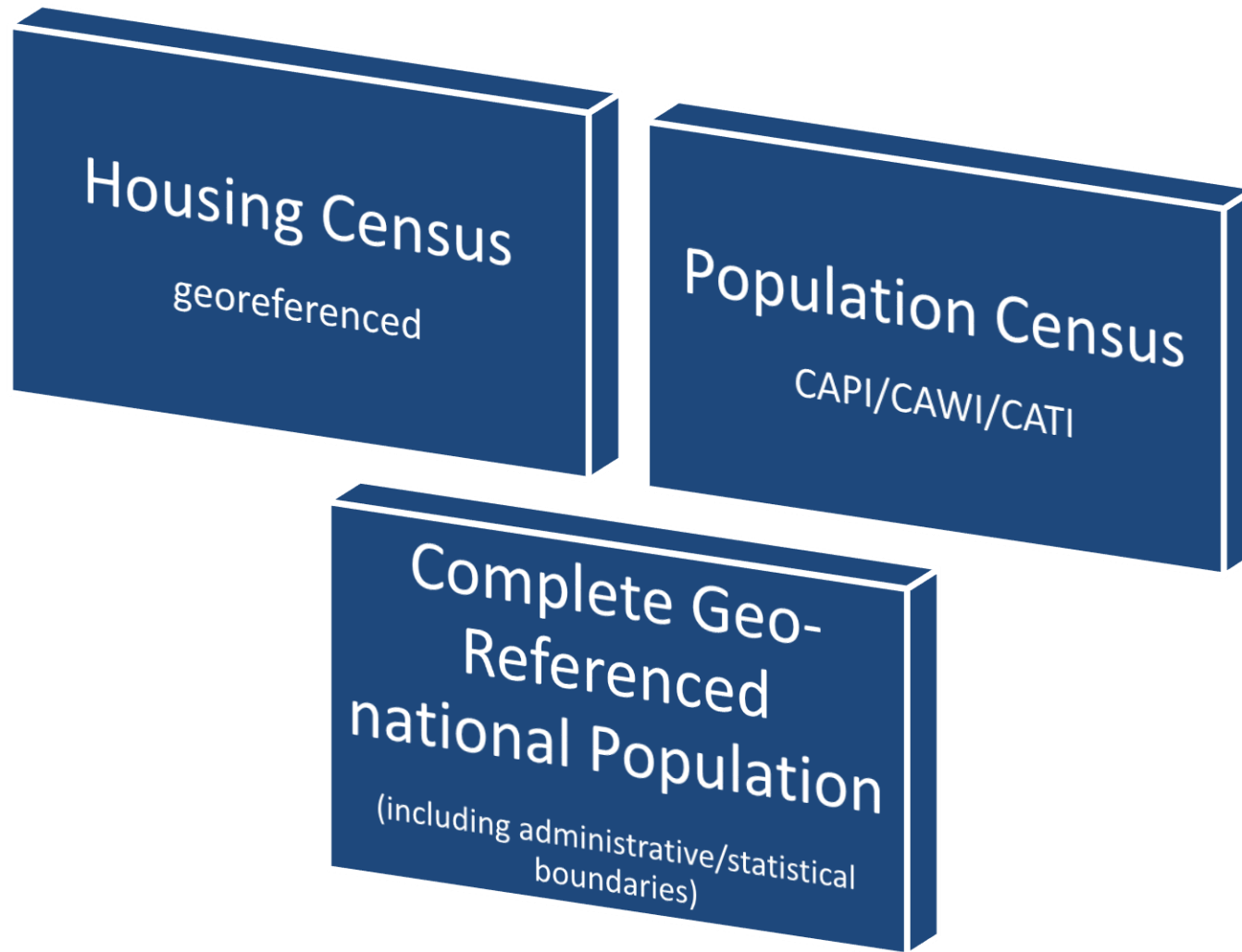
Census Operations Pose Challenges
(in comparison to sample surveys)

➢ **Large** Volumes of Data need to be processed, stored and analyzed

➢ **Large** Workforce needs to be managed

➢ **Large** stakeholder landscape needs to be addressed

➢ **Large** public interest and scrutiny

CAPI for Census Operations Has Particular Requirements
(in particular in 2020/2021)

- A **tested** system that can process and store large volumes of data

- A **tested** system that can handle simultaneous access of (00,000) of tablets

- A **tested** survey management system for reviewing and taking actions on (000,000) interviews daily

- A **tested** system that allows monitoring work progress and census coverage in real time

- A **tested** system that protects the privacy of the respondents at every stage to the utmost degree.

- In particular in LIC/MIC:
  - A **tested** system, that does not require an army of programmers or system admins to be set up, but which just works out of the box.
  - A **tested** system which can easily facilitate the integration of geo-spatial information.
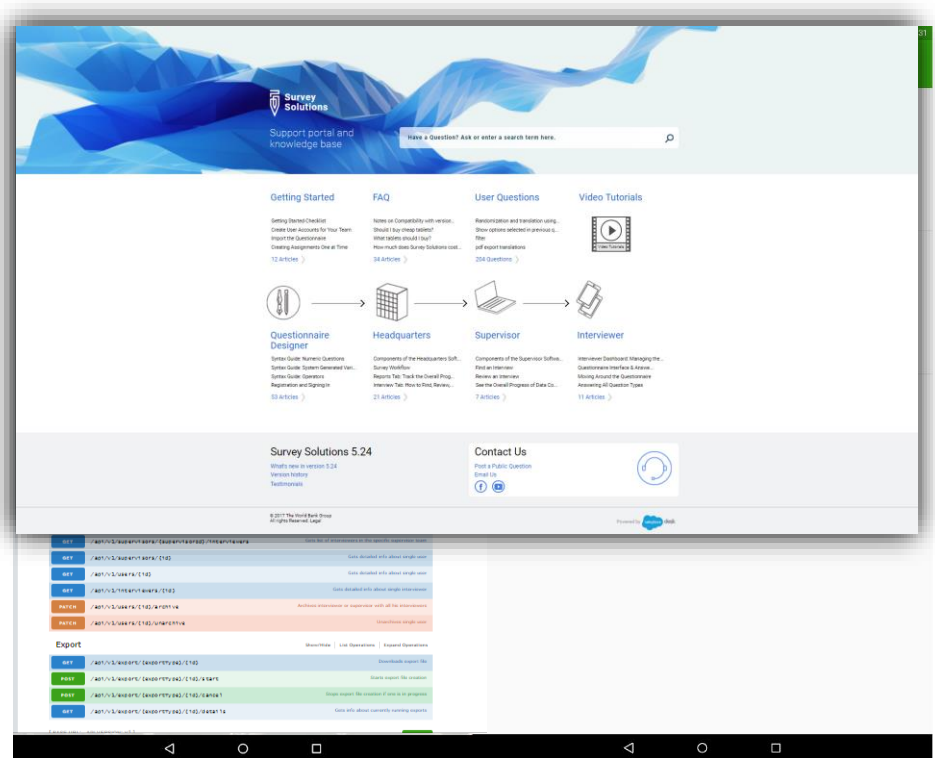
The Survey Solutions CASS
(CASS = Computer Assisted Survey System)

- **One platform** for different Survey Modes
  - ➢ CAPI, CAWI, CATI or a mix of them
- **One platform** for a wide range of data collection operations: from sample surveys through agricultural censuses to population and housing censuses
- **One platform** for data collection, data management and survey management
- **One platform** to collect and store geospatial information
- **One platform** where new users (i.e. questionnaire designers, enumerators) do not require lengthy and expensive training courses
- **One platform** which works seamlessly in cloud, local and hybrid data environments.

The Survey Solutions Feature

- Integration of the ESRI toolkit, which allows for immediate spatial processing of the collected data.

- Highly flexible REST API.
    - The API can be used to connect any 3rd party software to the server, and in this way allows for the automation of certain processes (i.e. quality checks, visualizations etc.)

- Stable backend infrastructure and data protection features suitable for the requirements of National Statistical Agencies.

- Strong and responsive support.

- Build for use in low-skill environments.

Survey Solutions Worldwide

- 112 countries and counting
- 800+ (CAPI) surveys
- 12M+ face to face interviews

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Survey Solution's "out of the box" approach

Robust data synchronization	= no data loss
Robust data management	= no double counting
Built-in rich reporting on data collection process	= efficient fieldwork management
Built-in user and device management	= efficient technical and security management
CAPI/CAWI/CATI in a single system	= one database
Consistent Meta/para data on the full data collection process	= efficient Quality Management
Full-featured, yet still extensible via API and C#	= high degree of customization possible
Powerful, flexible, user friendly data capturing	= workforce can be easily expanded even in low skill environments
Data fully encrypted from end to end	= consistency with all Data Protection Standards.