



# Inventory and Gap Analysis (IGA)

A web and mobile application

2022 – Version 1.0



# Inventory and Gap Analysis application 2022 - version 1.0

- IGA is both web- and mobile-based application

## Web-based:

- Open source
- Works in any Microsoft-supported server

## Mobile-based:

- Works in any Android supported smart phones and tablets for data entry
- Live, dynamic - inventory can be updated at any time!
- Cost effective and efficient
- Can be translated to any languages in addition to UN official languages already built into the system
- Can be used by any health programme
- Can manage inventory of any type and class of equipment

The screenshot shows the IGA web application interface. The top header includes the World Health Organization logo and the text 'INVENTORY AND GAP ANALYSIS SYSTEM (საქართველო - GEORGIA) VER 1.0'. The left sidebar contains navigation options: Home Page, Facilities, Items, Human Resource, Report, Users, and Settings. The main content area is divided into two sections: 'Items' and 'Facilities'. The 'Items' section shows a donut chart for 'Cold chain equipment' with 11 items and 100% working. The 'Facilities' section shows a donut chart for 'DCIEC - Central Warehouse' with 62 subset facilities and 40% defined. Below these charts is a pink banner with the text: 'Download mobile application on your mobile phone (Android) from: [http://inventory-gapanalysis.com/mb/IGAS\\_2.91\\_DEMO.apk](http://inventory-gapanalysis.com/mb/IGAS_2.91_DEMO.apk)'. At the bottom, there is a table titled 'Facilities' with the following data:

Level	Level Name	Total number of facilities	Total number of sub-facilities	Number of Defined sub-level facilities
2	Regional	6	167	126
3	Municipal	63	855	1020
4	Vaccination point	1102	367	0

Total number of sub-facilities						
Facility name	Level	Level Name	Registered (%)	Total	Last changes on	Last login
1 DCIEC - Central Warehouse	1	Regional	25 (40 %)	62	12/10/2021	27/09/2021

- Unlimited number of equipment or item class can be included

World Health Organization UNICEF INVENTORY AND GAP ANALYSIS SYSTEM (EXAMP...)

Central Store  
Administrator  
Home Page  
Facilities  
Items  
Report  
Users  
Settings  
Configurations!  
Item class  
Item type  
"Item type" in different levels  
Fields of "Item type"  
Fields related to facilities

Item class list

	Title
1	Cold Chain Equipment
2	Temp Monitoring
3	Electrical
4	Transport
5	Auxiliary
6	Biomedical Equipment
7	OtherClass2
8	OtherClass3
9	OtherClass4

Edit

Title :

- Data is stored in a cloud server
- Country has exclusive access of their data



# Levels of use:

## Admin level



### Functions:

- Admin set-up and configuration
- Data Entry, including management of consolidated database
- Access to full reports

## User level



### Functions:

- Data Entry
- Access to full reports



### Functions:

- Data Entry
- Access to limited number (3) of reports

### Test version for demo:

- [www.inventory-gapanalysis.com](http://www.inventory-gapanalysis.com)
- Username: **admin**
- Password: **123**

### Mobile application (only for Android):

- [http://www.inventory-gapAnalysis.com/mb/IGAS\\_2.7\\_GEO.apk](http://www.inventory-gapAnalysis.com/mb/IGAS_2.7_GEO.apk)

# Admin level



**Admin arrangements**

**Data Entry**

**Full reports**

## Admin Set-up

- Configuration of the Application
- Selection of fields
  - Define equipment class
  - Define equipment types
    - Set required fields for each equipment type
    - Define optional and mandatory fields
  - Security setting
  - Assign usernames and passwords
- Set the application's language
  - Translation of the application or adjusting the language (if language customization is required)

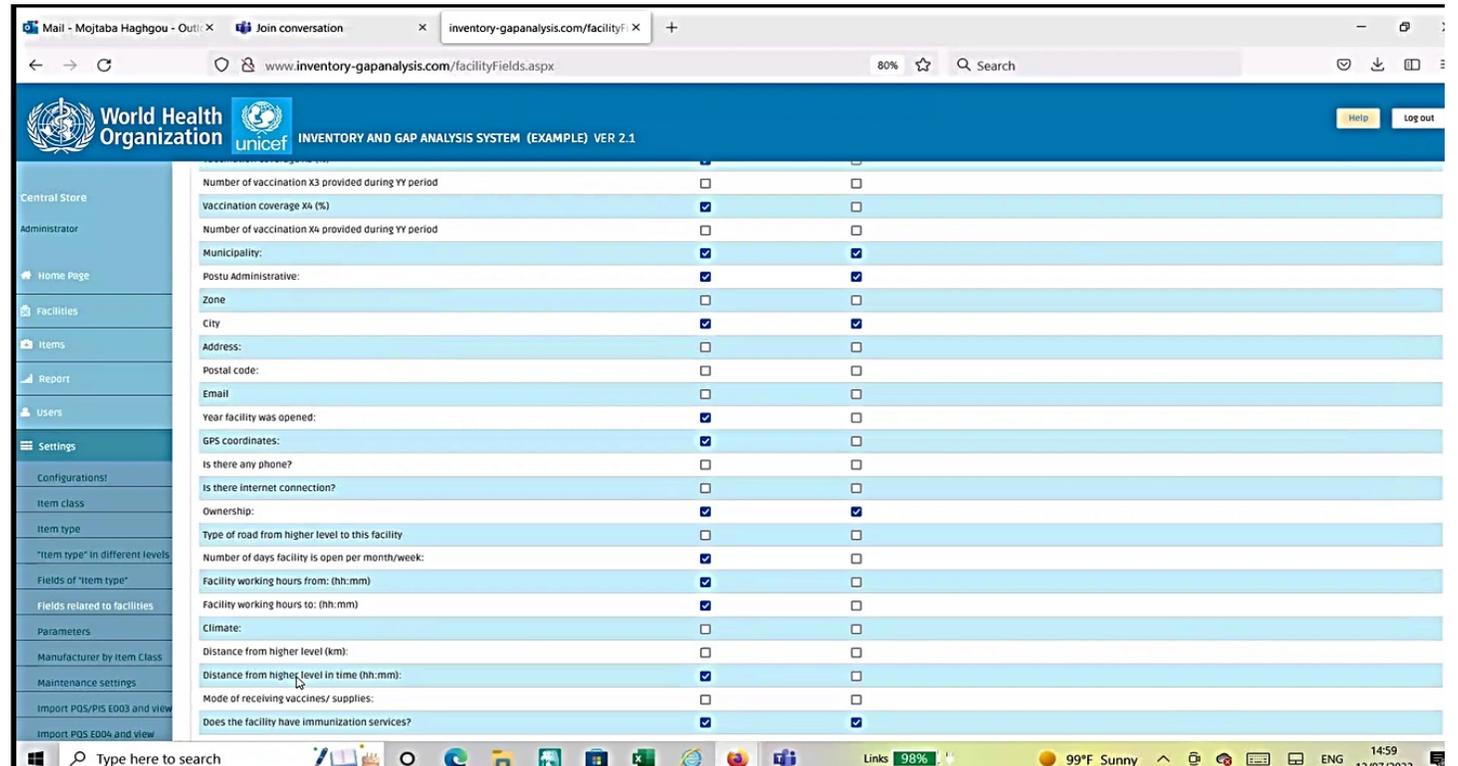
# Admin level



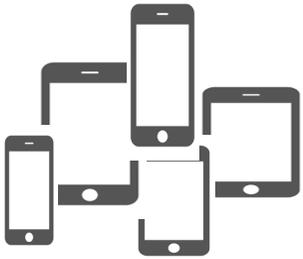
Admin arrangements  
Data Entry  
Full reports

# Data Entry

- Can connect to all facilities and perform data entry/editing or help the user complete data entry, as needed
- A large number of data fields are built into the apps and Admin determines which data fields will be required for user's data entry.



# Web- and mobile-based apps Users' level



**Data Entry**  
**Full reports**

## Data Entry

- The same/standardized for all levels
  - Both on PC and smart phones/tablets (Android only)
- Fool proof
- Simple
  - No need for extensive training! – **on the job training for 3 hours is enough**
  - Used in local languages
  - Online help
- Collaborative effort
  - Its possible for higher level users or admin to enter data for their sub-facilities if the latter has no internet connection

# Web-based apps Users' level

## Full reports



**Data Entry**  
**Full reports**

- 12 full different reports (with several filters)
- Printable reports (only on PC)
- Option of exporting some of the reports to MS Excel (exporting in pdf format is not available)
- Option of exporting full raw data to MS Excel for further and more detailed analysis
- Reports can be generated according to:
  - Supply chain level
  - Region
  - Province
  - District
  - Facility
  - Class of equipment
  - Type of equipment; can be filtered by:
    - Size/ storage capacity
    - Manufacturer
    - Source of energy: electric, solar, kerosene, gas
    - Functionality: functional, non-functional
    - Equipment age

# Mobile-based apps Users' level



**Data Entry**  
**3 reports**

## 3 types of reports

1. Facility list (with all the filters)
  2. Item list (with all the filters)
  3. User list
- Reports can be generated according to:
    - Supply chain level
    - Region
    - Province
    - District
    - Facility
    - Class of equipment
    - Type of equipment; can be filtered by:
      - Size/ storage capacity
      - Manufacturer
      - Source of energy: electric, solar, kerosene, gas
      - Functionality: functional, non-functional
      - Equipment age

# Web- and mobile-based apps Users' level



## Other functions:

- A maintenance module and full log-book
  - provides date for each services done and warnings when specific type of maintenance work/service is needed
- Facility segmentation
- Cold chain capacity gap analysis
- Planning for filling cold chain gaps and replacement plan
- A full communication system among the users
- Importation of facility data and PQS data from MS Excel database
- Multi-lingual and can be translated into local languages

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**Initial investment is reasonable!**

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# **Demonstration of the Application**

## **Inventory and Gap Analysis**

### **Version 1.0**

**Thank you for your attention  
Questions?**