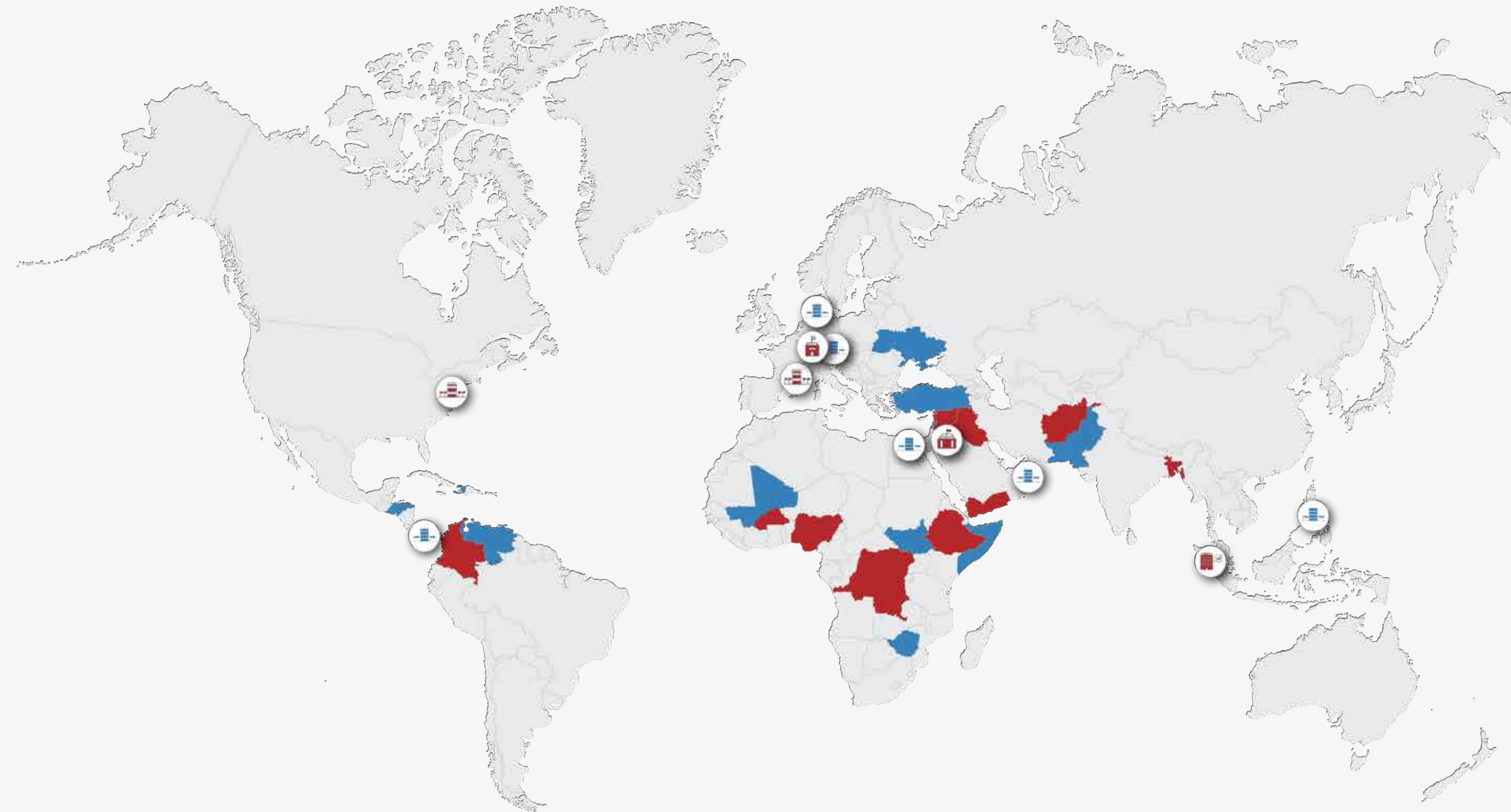




iMMAP in Ukraine

iMMAP



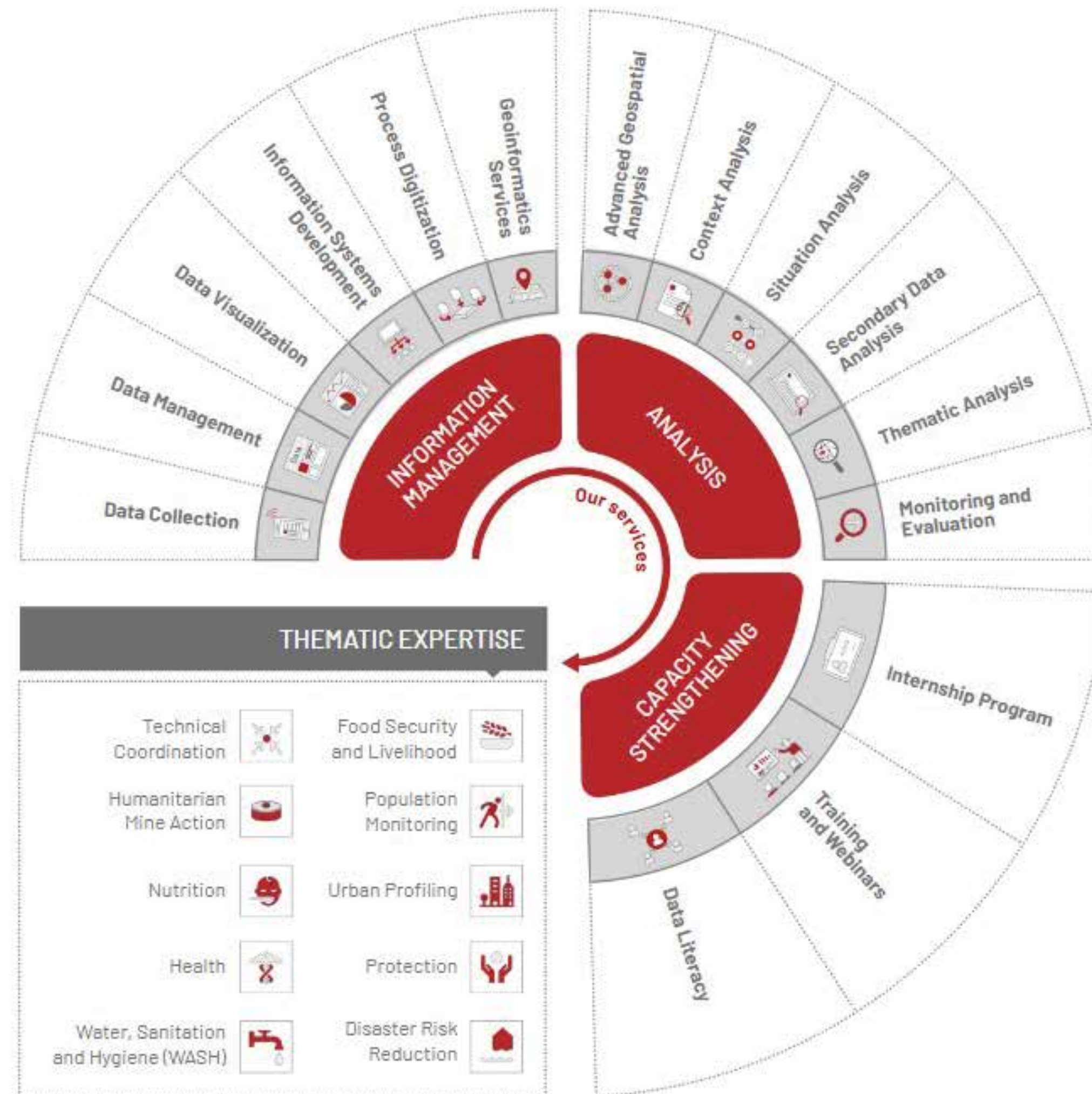
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<ul style="list-style-type: none">● Countries Supported <ul style="list-style-type: none">HaitiHondurasLebanonMaliPakistanEl SalvadorSomaliaSouth SudanTurkeyUkraine	<ul style="list-style-type: none">🏢 Regional and Global Offices Supported <ul style="list-style-type: none">VenezuelaZimbabwe <ul style="list-style-type: none">SwitzerlandGlobal Health Cluster (Geneva) <ul style="list-style-type: none">DenmarkWHO Regional Office for Europe (Copenhagen) <ul style="list-style-type: none">UAEWHO Dubai Logistics Hub (Dubai)	<ul style="list-style-type: none">EgyptWHO Regional Office for the Eastern Mediterranean (Cairo) <ul style="list-style-type: none">PhilippinesWHO Western Pacific Regional Office (Manila) <ul style="list-style-type: none">PanamaOCHA Regional Office for Latin America and the Caribbean (Panama)
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iMMAP is an **international not-for-profit organization** that provides **information management services** to humanitarian and development organizations, enabling partners to make informed decisions that ultimately provide **high-quality targeted assistance** to the world's most vulnerable populations.

We support humanitarian actors to **solve operational and strategic challenges**. Our pioneering approach facilitates informed and effective emergency preparedness, humanitarian response, and development aid activities by enabling evidence-based decision-making for UN agencies, humanitarian cluster/sector leads, NGOs, and government operations.

Areas of Support



Areas of Support

Data Management and Visualization
 Information Systems Development
 Process Digitization
 Geoinformatics Services
 Advanced Geospatial Analysis
 Capacity Building
 Context and Situation Analysis
 Secondary Data Analysis
 Monitoring and Evaluation
 Thematic Analysis

Thematic Expertise

Food Security and Livelihood
 Humanitarian Mine Action
 Nutrition
 Health
 Water, Sanitation and Hygiene (WASH)
 Technical Coordination
 Population Monitoring
 Urban Profiling
 Protection
 Disaster Risk Reduction

Common Requests in Ukraine

Assessments



The influence of Climate Change on Wheat Production
A review study on Northeast Syria.

APRIL 2022

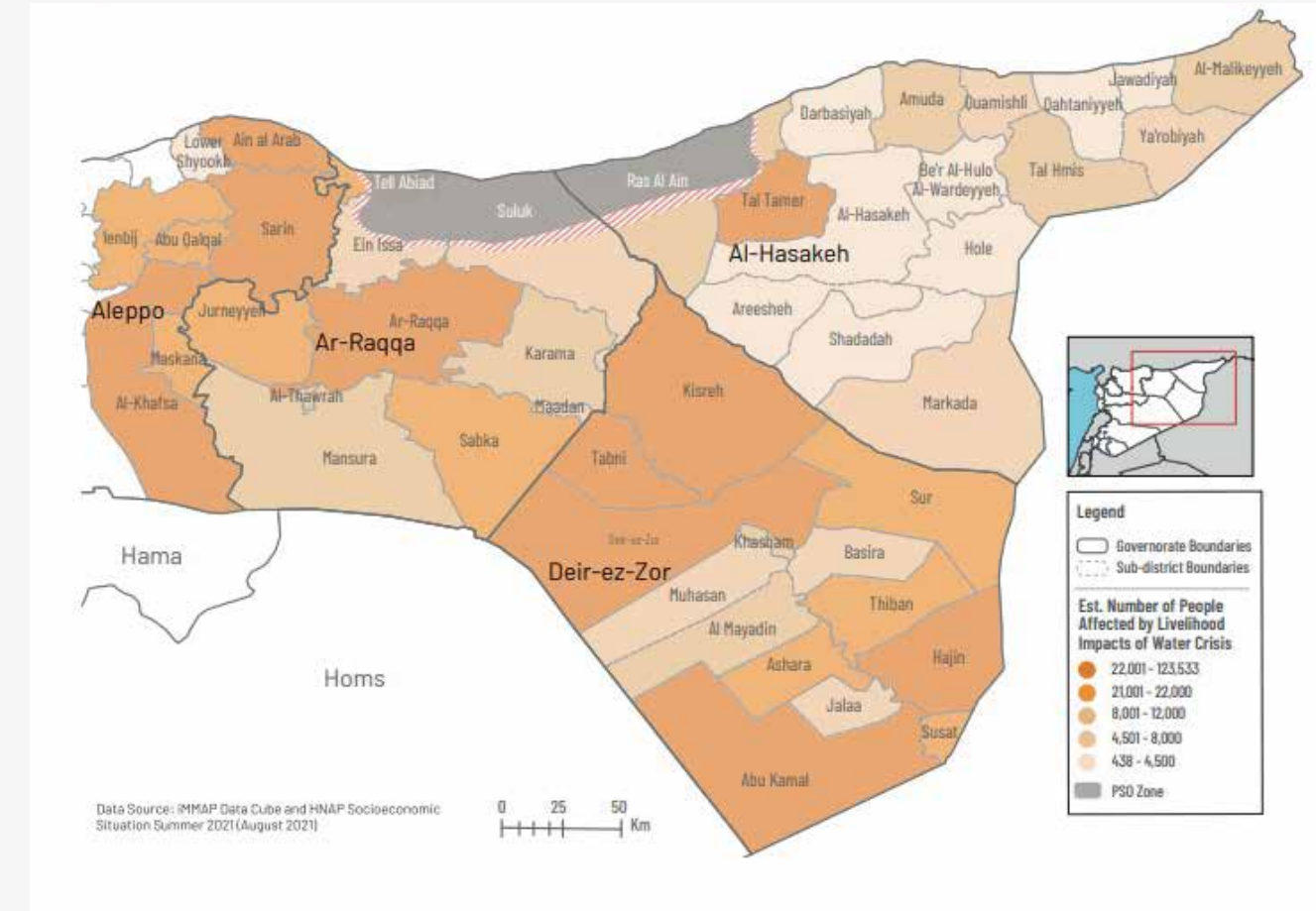
North East Syria (NES)
FOOD SECURITY & LIVELIHOODS
Agriculture Working Group



Capacity Building



Data Visualization



Mapping of Wheat-to-Bread Processing Facilities

Aleppo November 2021



Assessments

Common Challenges

Data Inconsistency

Lack of Standardized Tool

Assessments Monitoring

Proposed Support

- Design of Questionnaires Aligned to Program Goals
- Analysis Planning
- Design of the Dataset Structure
- Development of Verification Tools
- Encoding of questionnaires
- Training of Enumerators
- Integration of verification rules into the dataset
- Limiting number of tools by standardization
- Cluster Assessment Tracking
- Development of Data Sharing Protocols
- Centralized Analysis
- Assessment Reporting
- Data Visualization

Assessments

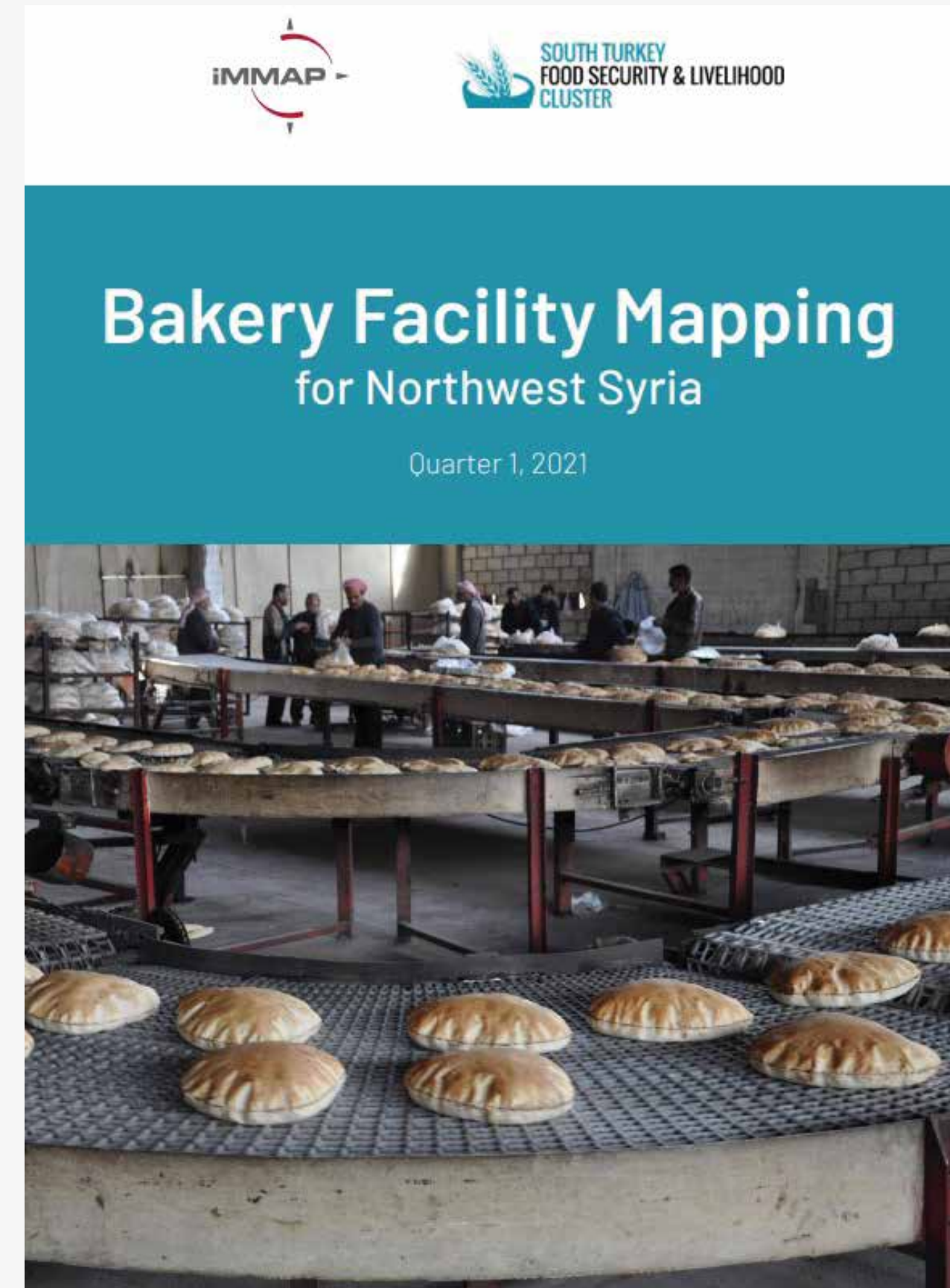
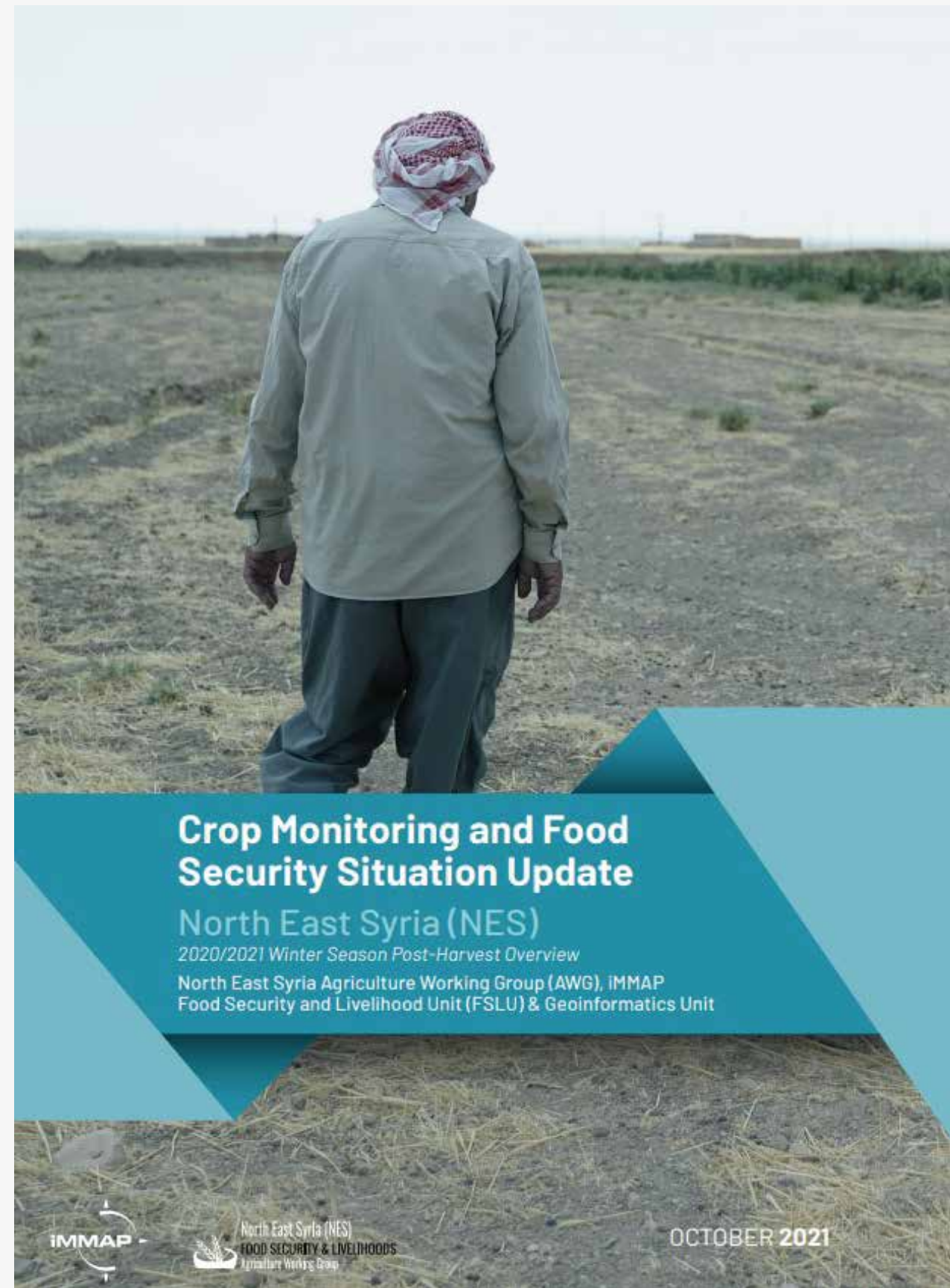
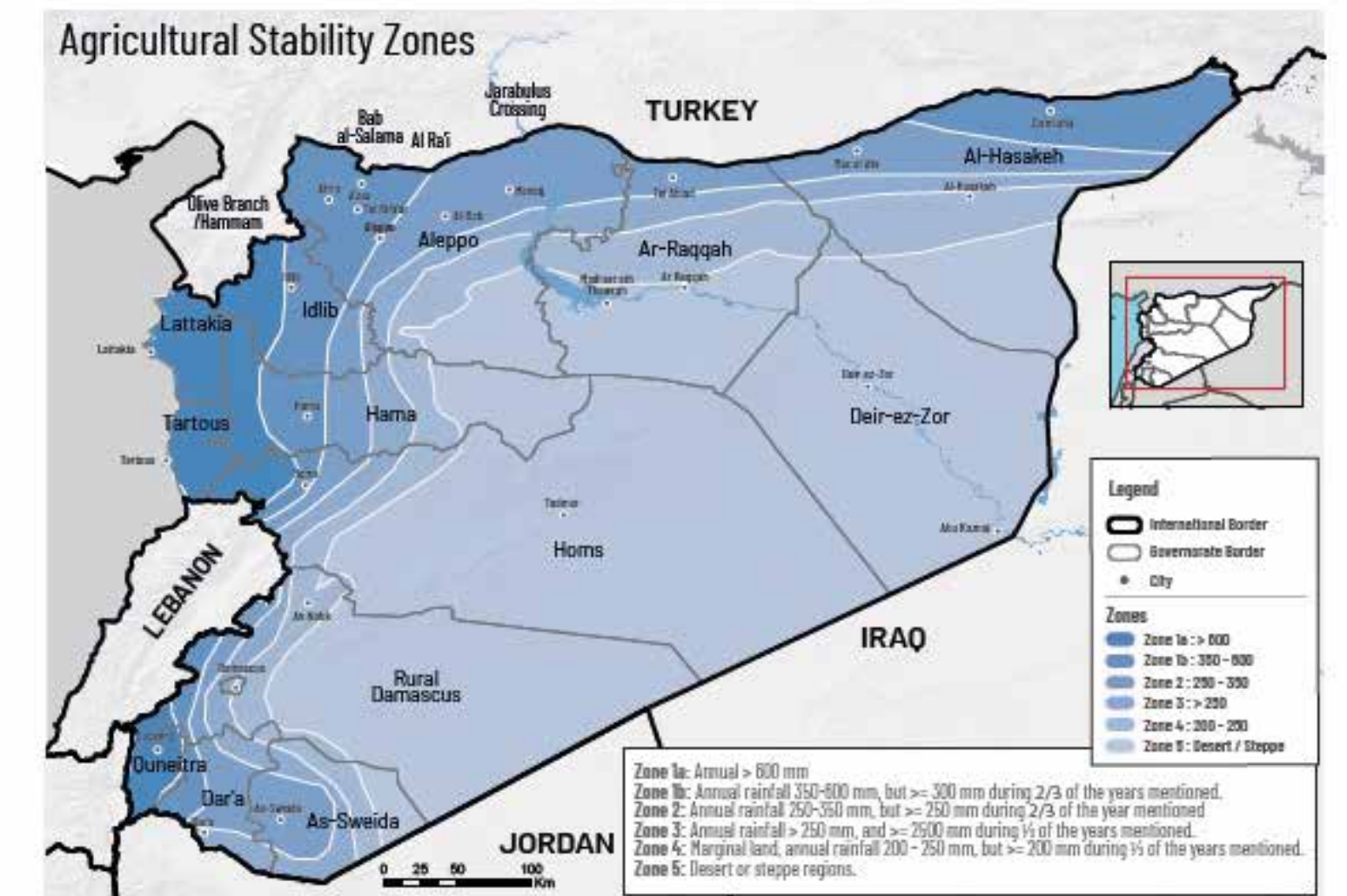


Figure 1: Agroclimatic-Ecological Zones map of Syria showing the study location of NES made up of the governorates of Al-Hasakeh, Ar-Raqqah and Deir-ez-Zor⁸



Methodology

The study review exclusively adopted the qualitative secondary data collection and analysis techniques that included a systematic desk review of all key documents generated by authoritative sources including but not limited to UN agencies (WFP, FAO, UNHCR, UNDP); NES Food Security and Livelihood (FSL) Cluster, NES Agricultural Working Group (AWG), REACH Syria, ACTED Syria, IMMAP and other humanitarian partners in NES. This review study was approached from a historical perspective to allow for the tracking and evaluation of the wheat production in NES for the past five years including the 2020/2021 winter cropping season. This review study focused on reports of original research articles and reports gathered from humanitarian partners in Syria [see footnote reference list]. To ensure relevance of gathered information, each article, especially the abstract/executive summary, was examined using the preview, question, read and summarize (PQRS) system outputs for review analysis¹⁰. At the preview stage of PQRS, articles whose abstracts/executive summary were considered relevant to the study objectives were selected for literature review.

Capacity Building

Training Themes

1 Humanitarian Programme Cycle (HPC)

- Needs Assessment and Analysis
- HNO and HRP
- Rapid Needs Assessment (RNA)
- Implementation & Monitoring
- 5Ws
- Humanitarian Response Monitoring Framework
- Roles and Responsibilities

2 Coordinated Needs Assessments

- Assessment Types
- Roles and Responsibilities
- Assessment Working Plan
- Questionnaires
- Assessment Design Methodologies
- Sampling
- Data Collection
- Techniques

3 Data Collection

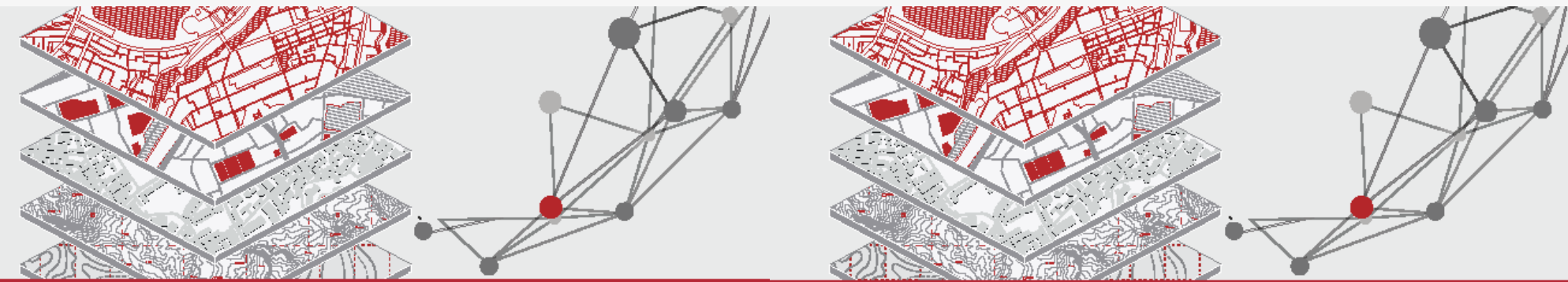
- Kobo ToolBox
- Creating Projects
- Layout and Preview
- Skip Logic
- Validation Criteria
- Integrating Mobile Data
- Collection with KoboCollect
- Building XLS Form
- Data Quality Assessment

4 Data Visualization

- Introduction to Data Visualization
- Steps to Creating a Visual
- Introduction to Adobe Illustrator
- Drawing and Selection Tools
- Charts in Adobe Illustrator
- Alignment Tools
- Managing Colors
- Clipping Masks and Compound Objects
- Using Dynamic Symbols

Capacity Building

Training Themes Ukraine



Training modules available in Ukraine

1. HPC: Humanitarian Programme Cycle

- 1.1. Needs Assessment and Analysis
 - 1.1.1. HNO: Humanitarian Needs Overview
 - 1.1.2. RNA: Rapid Needs Assessment
- 1.2. HRP: Humanitarian Response Plan
- 1.3. Resources Mobilization
- 1.4. Implementation & Monitoring
 - 1.4.1. 3Ws
 - 1.4.2. Humanitarian Response Monitoring Framework
 - 1.4.3. Key Products
 - 1.5. Operational Review and Evaluation
 - 1.6. Roles and Responsibilities

2. Data Collection

- 2.1. Introduction
 - 2.1.1. Building Online Forms using Kobo Toolbox
 - 2.1.2. Creating Projects
 - 2.1.3. Layouts & Preview
 - 2.1.4. Form Metadata/Question Settings
 - 2.1.4.1. Hint/Mandatory/Default Values Options
 - 2.1.4.2. Skip Logic
 - 2.1.4.3. Validation Criteria
 - 2.2. Sharing Forms
 - 2.3. Libraries
 - 2.4. Integrating Mobile Data Collection with KoboCollect
 - 2.4.1. Workspace
 - 2.5. Building XLS form
 - 2.6. Data Quality Assessment

3. Utilizing Activity Info for Monitoring & Evaluation

- 3.1. Data Entry
- 3.2. Database Design (Forms/Attributes/Indicators)
- 3.3. Manage Partners/Users
- 3.4. Reports/Dashboards
- 3.5. Google Earth Integration
- 3.6. ActivityInfo API

4. Excel

- 4.1. Basics
- 4.2. Formulas
- 4.3. Tables & Pivot Tables
- 4.4. Charts
- 4.5. Data Cleaning Techniques

5. Visualization

- 5.1. Introduction to Data Visualization
- 5.2. Steps to creating a visual
- 5.3. Introduction to the software
- 5.4. Customize the interface
 - 5.5. Drawing tools
 - 5.6. Selection tools
 - 5.7. Managing items in layer window
 - 5.8. Charts in Adobe Illustrator
 - 5.9. Alignment tools
 - 5.10. Transform tool
 - 5.11. Managing colors in Illustrator
 - 5.12. Creating guide layer
 - 5.13. Clipping mask and compound Objects
 - 5.14. Using dynamic symbols

6. Power Query

- 6.1. Data Source Management
- 6.2. Data Manipulation
 - 6.2.1. Row to Headers
 - 6.2.2. Remove Rows
 - 6.2.3. Replace Values
 - 6.2.4. Value Manipulations
 - 6.2.4.1. Format
 - 6.2.4.2. Split
 - 6.2.4.3. Data Type
 - 6.2.4.4. Date/Time Segments
 - 6.2.5. Grouping By
 - 6.3. Procedures Queue
 - 6.4. Custom Columns
 - 6.5. Advanced Editor
 - 6.6. Merge/Pending variant files and sheets

7. Dynamic Reporting

- 7.1. Introduction to MS PowerBI
- 7.2. Workspace & Layout Options
- 7.3. Adding Data Source
 - 7.4. Adding/Customizing Visuals
 - 7.4.1. Tables & Matrices
 - 7.4.2. Charts
 - 7.5. Data Modeling/Relationships
 - 7.6. Filters
 - 7.7. Creating Maps
 - 7.8. Public & Custom Themes
 - 7.9. Kobo Integration
 - 7.10. ActivityInfo Integration

8. Coordinated Needs Assessment

- 8.1. Introduction
- 8.2. Assessment Types
- 8.3. Roles and Responsibilities
- 8.4. Assessment Registry
- 8.5. Assessment Working Plan
- 8.6. Types of Data
- 8.7. Secondary Data Review
- 8.8. Questionnaires
- 8.10. Assessment Design Methodologies
- 8.11. Sampling
- 8.12. Data Collection Techniques

9. Geographic Information Systems A. Arc GIS (Desktop or Online)

- A.1. Introduction
- A.2. GPS: Global Positioning System
- A.3. Map Anatomy
- A.4. Map File Formats
- A.5. Tools
 - A.6. Workspace
 - A.7. Adding Layers
 - A.7.1. Shapefiles
 - A.7.2. CSV/Excel Files
 - A.7.3. Attribute-Only Tables
 - A.7.4. Joins
 - A.8. Layers Properties
 - A.9. Symbology
 - A.10. Labeling
 - A.11. Page Setup
 - A.12. Adding & Customizing Layout Elements
 - A.13. Exporting Map
 - A.14. Geodatabase
 - A.14.1. Types of Geodatabase
 - A.14.2. Creating new database
 - A.14.3. Manage features in different database
 - A.15. Geoprocessing
 - A.15.1. Clipping features
 - A.15.2. Buffer
 - A.15.3. Dissolve
 - A.15.4. Intersect
 - A.15.5. Merge and Union

B. QGIS (Desktop)

- B.1. Introduction
- B.2. GPS: Global Positioning System
- B.3. Map Anatomy
- B.4. Map File Formats
- B.5. Installing QGIS
- B.6. Workspace
- B.7. Adding Layers
 - B.7.1. Shapefiles
 - B.7.2. CSV/Excel Files
 - B.7.3. Attribute-Only Tables
 - B.7.4. Joins
 - B.8. Layers Properties
 - B.9. Symbology
 - B.10. Labeling
 - B.11. Printing Layout
 - B.12. Page Setup
 - B.13. Adding & Customizing Layout Elements
 - B.14. Exporting Map

C. Google Earth (Desktop)

- C.1. Introduction
- C.2. GPS: Global Positioning System
- C.3. Map Anatomy
- C.4. Adding lines
- C.5. Adding polygons
- C.6. Adding points
- C.7. Exporting data
- C.8. Search for routes in Google Earth

Other Training Themes

Utilizing ActivityInfo

Excel (Basic/Advanced)

Power Query

Dynamic Reporting

Geographic Information System (ArcGIS and QGIS)

Future Plans

Trainings in Ukrainian

In-Person Sessions

We would like to better understand the priorities of partners in terms of Information Management (IM) trainings and training modalities.

Online Training System

Access to **online training materials**

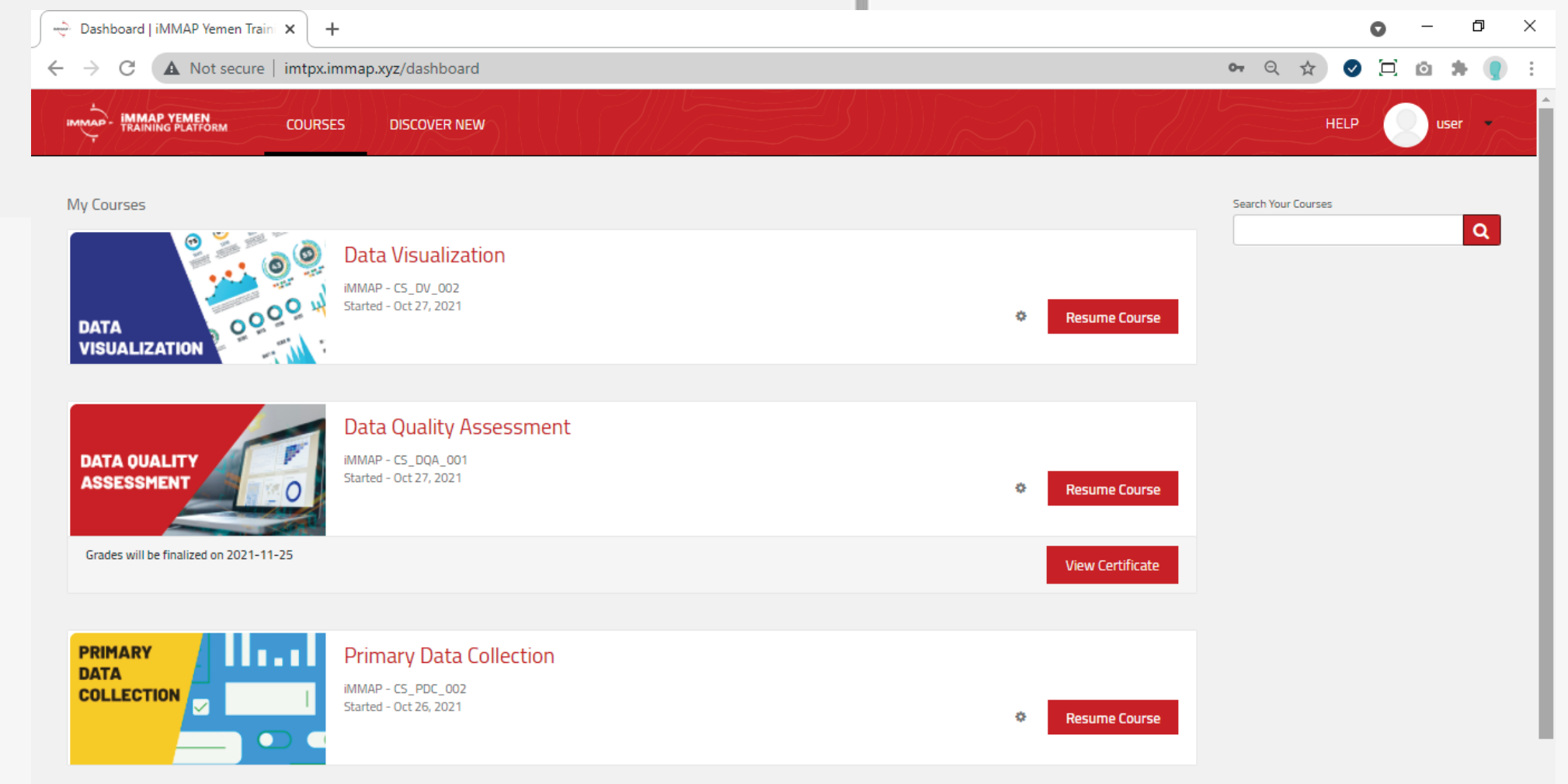
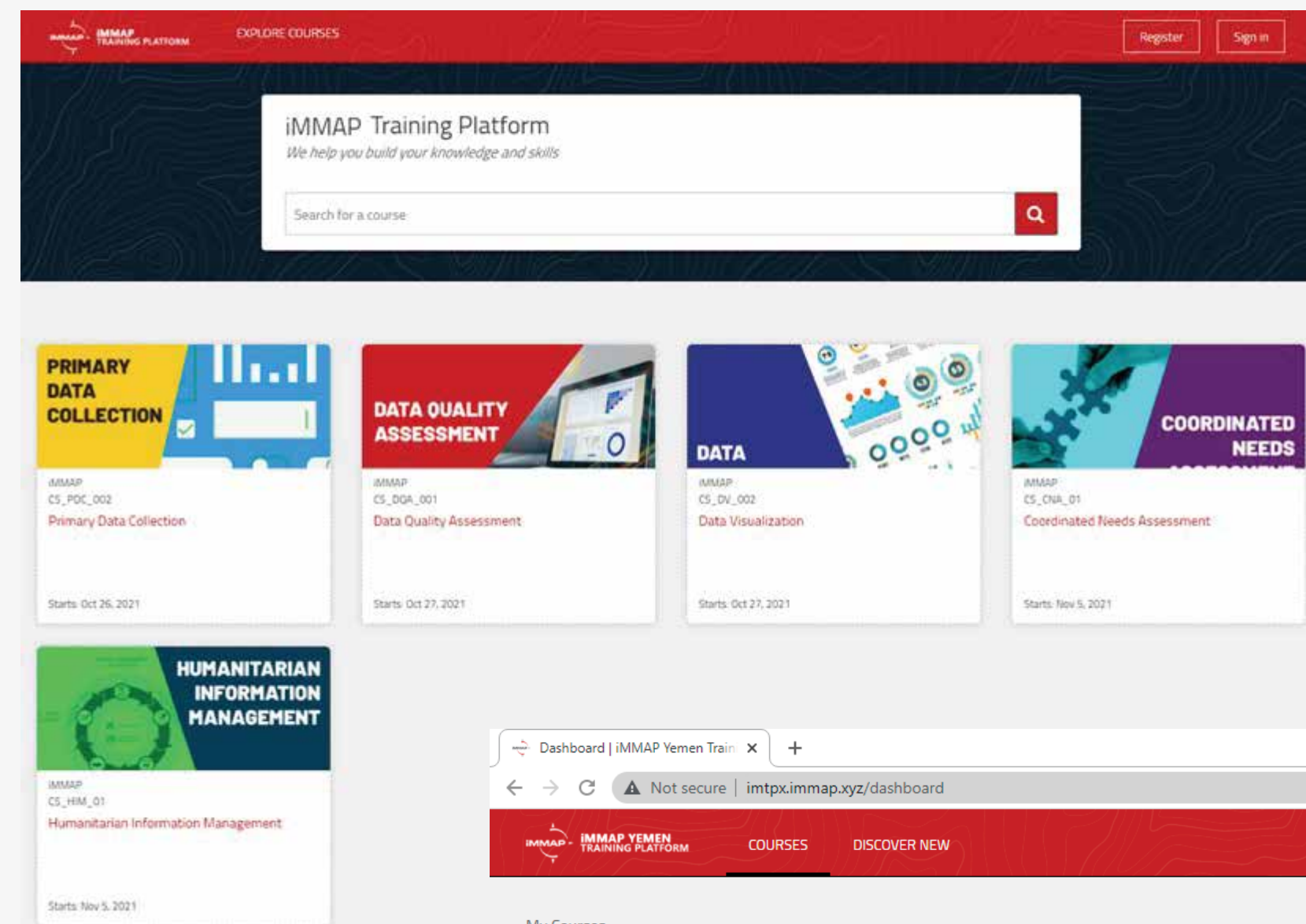
Enhanced **interaction** between the trainers and the trainees

Human-centered approach of the virtual learning environment

Notifications of the **upcoming trainings**

Training **surveys and feedback** mechanism

Attendance certificates generated by the system



Visualization

Common Challenges

- Translating Data into Meaningful Products
- Oversimplified or too crowded visuals
- Adherence to Style Guidance
- Misleading Presentation of Information
- Choosing the Right Type of Product

Proposed Support

Development of Informative Products

Maps

Dashboards

Infographics

Development of Templates

Automation of Products

Dynamic Products



Visualization

Figure 13: Wheat Market System Mapping, Key challenges, and Opportunities

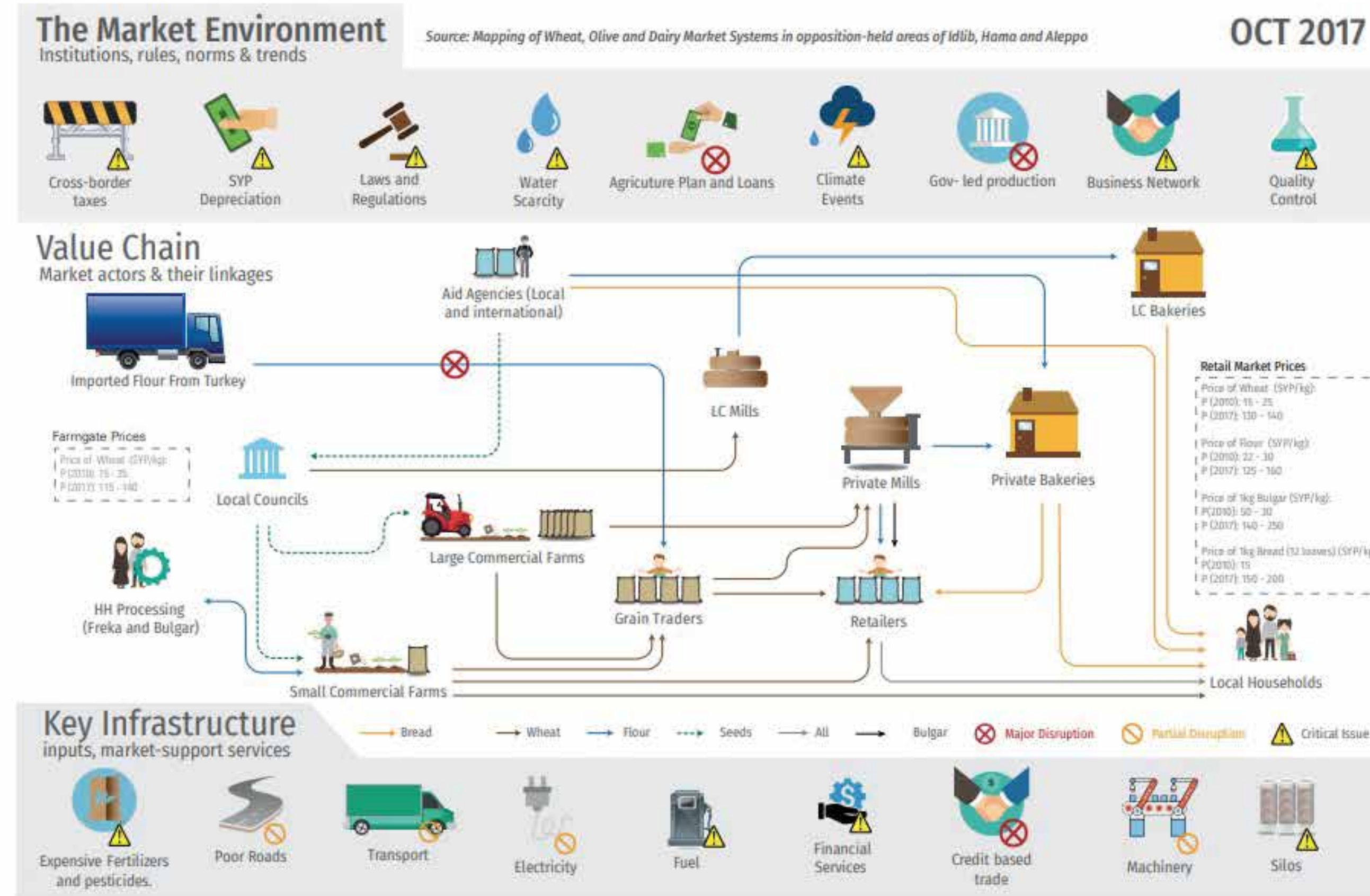
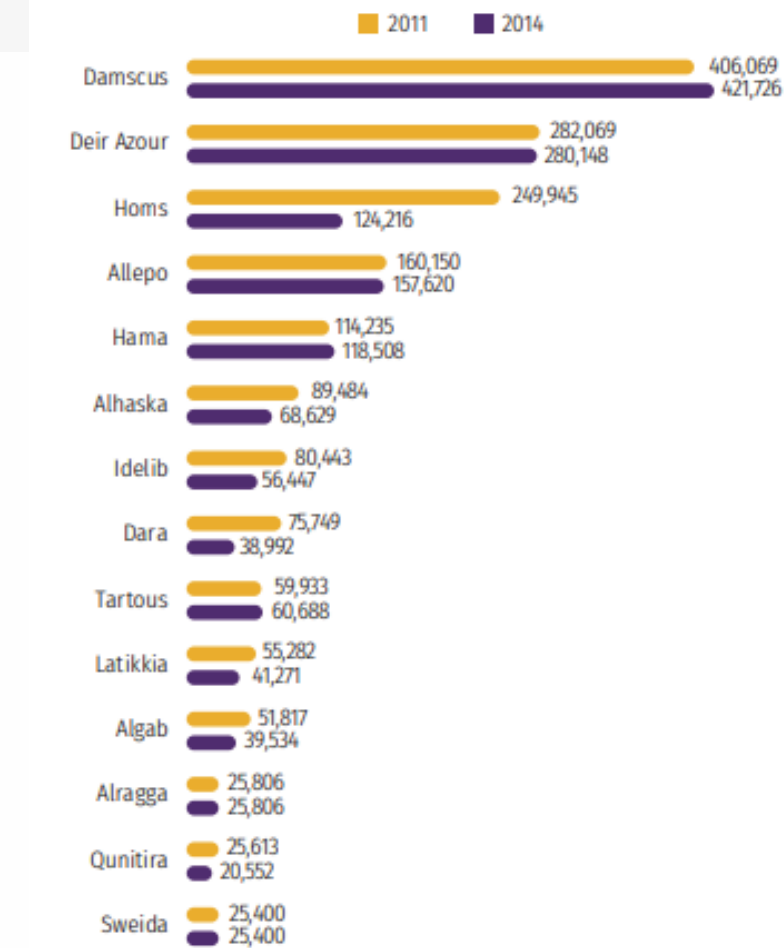
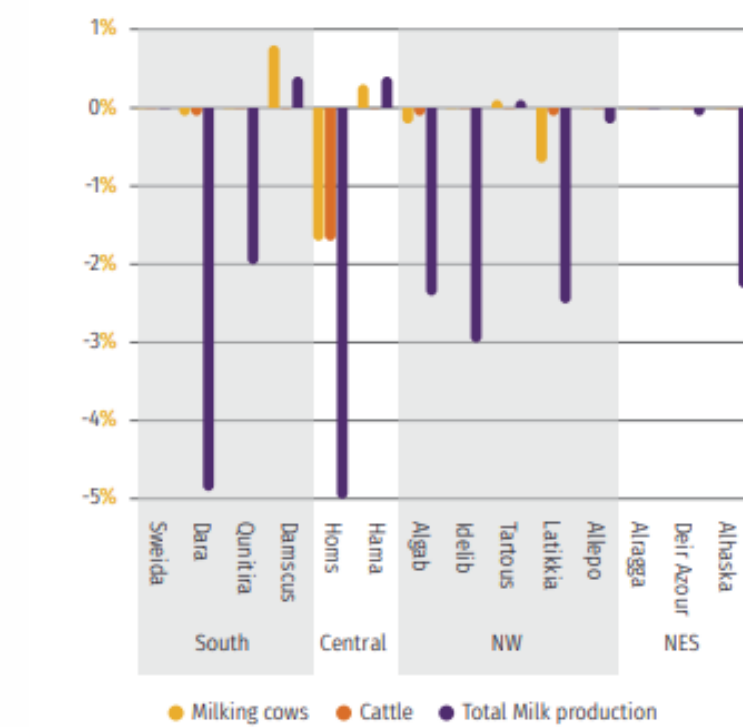


Figure 9: Milk production 2011 versus 2014



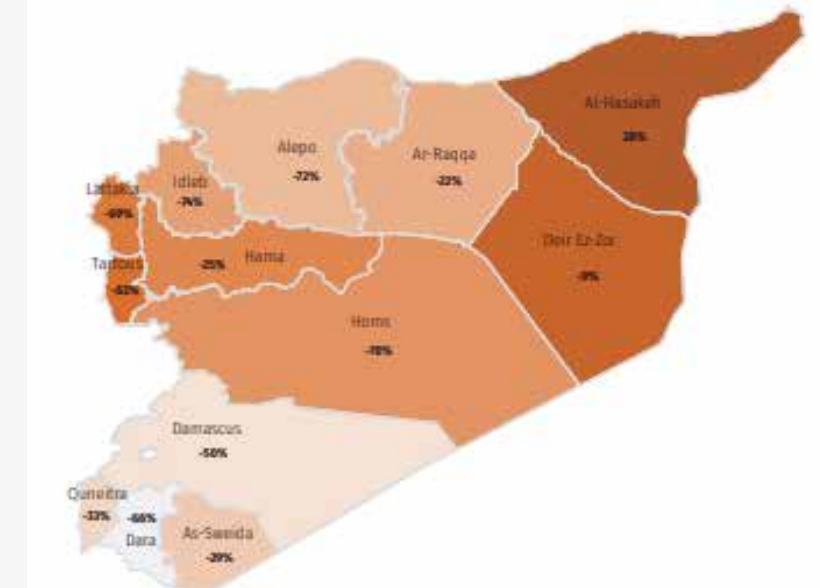
Source: Ministry of Agriculture and Agrarian Reform, moaar.gov.sy/main/archives/

Figure 10: Percentage change of cattale herd size, lactating cows and milk production (2011 versus 2014)



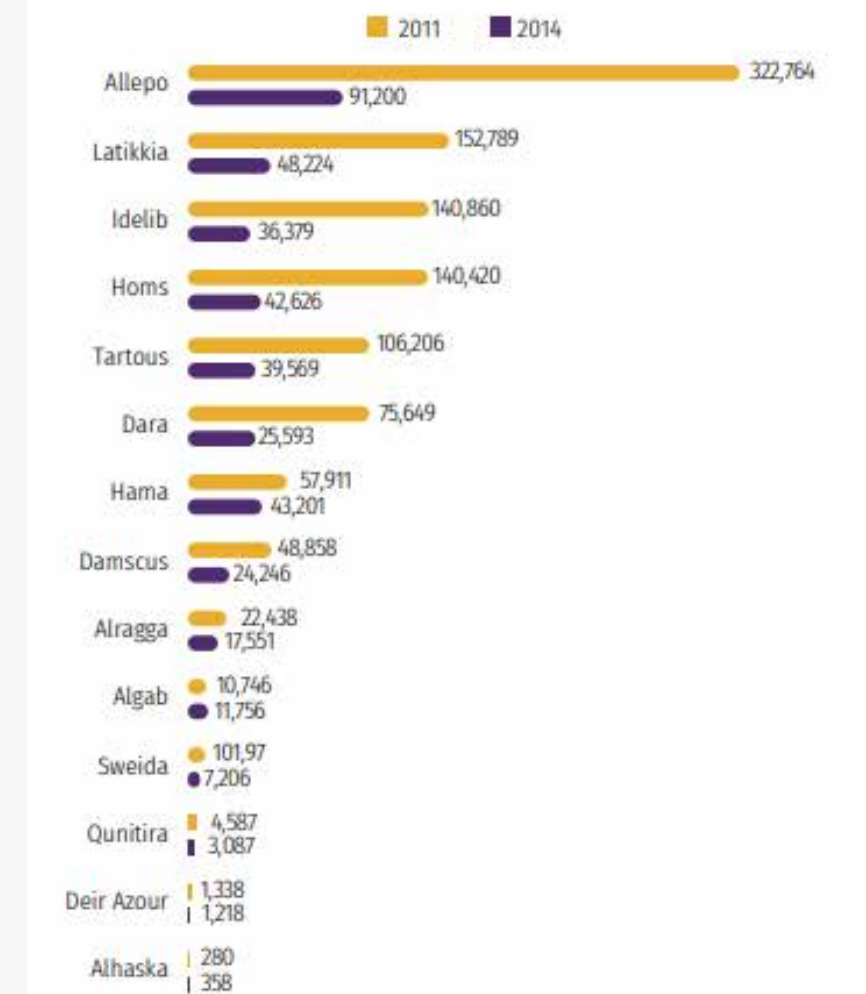
Source: Ministry of Agriculture and Agrarian Reform, moaar.gov.sy/main/archives/

Figure 7: Percentage change in olive production (2011-2014)



Source: Ministry of Agriculture and Agrarian Reform, moaar.gov.sy/main/archives/

Figure 8: Olive production 2011 versus 2014



Source: Ministry of Agriculture and Agrarian Reform, moaar.gov.sy/main/archives/

Contact Details

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