

# Hand-in-Hand Geospatial Platform Quick-Start Guide Transforming data into impact

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## Hand-in-Hand Geospatial Platform Quick-Start Guide

The Hand-in-Hand Geospatial Platform is a supporting tool for the Hand-in-Hand (HiH) Initiative, an evidence-based, country-led and country-owned initiative to accelerate SDG1 and SDG 2, using the most sophisticated tools available, including advanced geospatial modeling and analytics to identify the biggest opportunities to raise the incomes and reduce the inequities and vulnerabilities of rural populations, who constitute the vast majority of the world's poor.

See the video for an introduction to the HiH Geospatial Platform: https://www.youtube.com/watch?v=xKON7YWWXUI

The platform brings together over 20 technical units from multiple domains across FAO, from Animal Health to Trade and Markets, integrating data from across FAO on Soil, Land, Water, Climate, Fisheries, Livestock, Crops, Forestry, Trade, Social and Economics, among others.

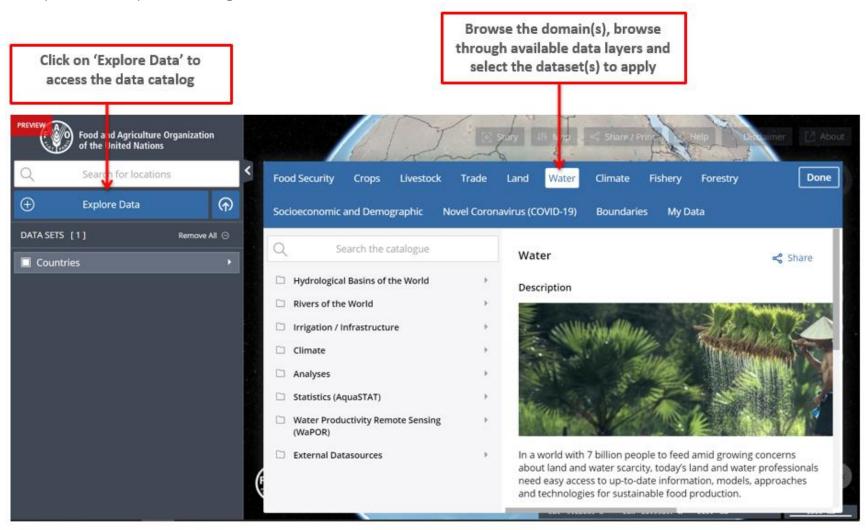
Data is also sourced from FAO partners and public data providers across the UN and NGOs, academia, private sector and space agencies. Over 1 million geospatial layers and thousands of statistics series with metadata records have been assembled to date.



Use the interactive HiH geospatial platform to produce data maps and create compelling impact stories. From remote-sensed geospatial data to statistical time series, the data visualization tool enables the analysis of public and private agricultural-related data at global, regional, national and subnational data.

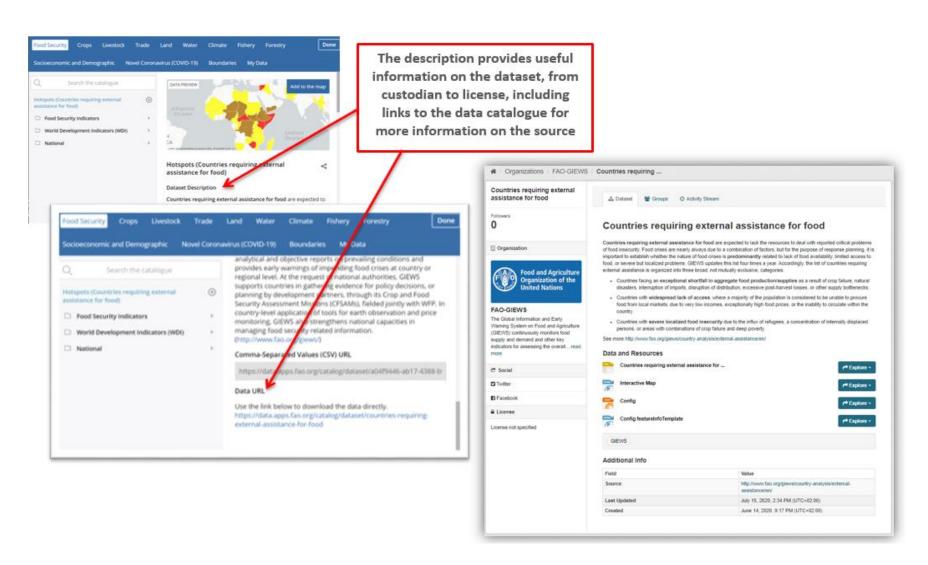
## Access the platform and explore the available data: <a href="https://data.apps.fao.org/">https://data.apps.fao.org/</a>

The data is divided into domain-specific categories and contains a long list of geospatial and statistical datasets across multiple sub-disciplines from global to subnational level.



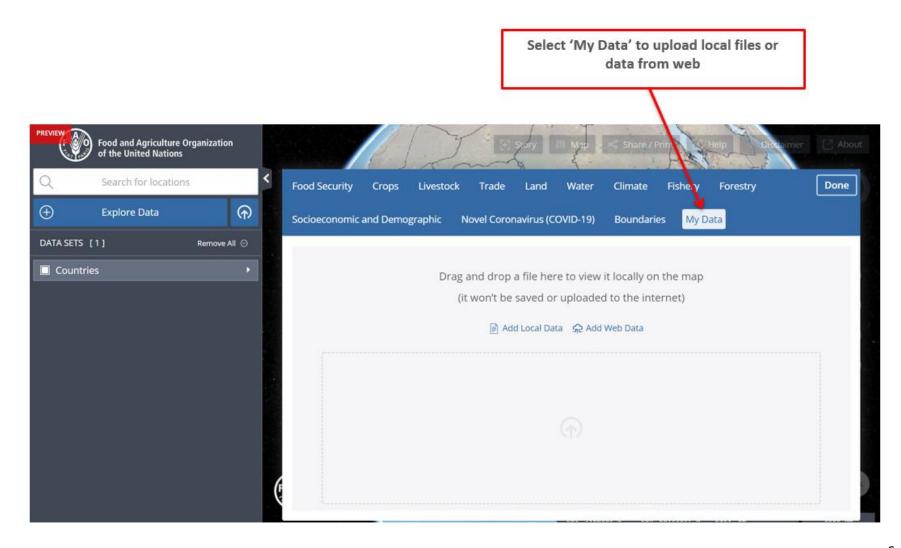
## View the data catalogue for more information on each dataset

Each dataset includes a description with more details and links to the data catalogue that contains the original source of the information as well as the metadata.



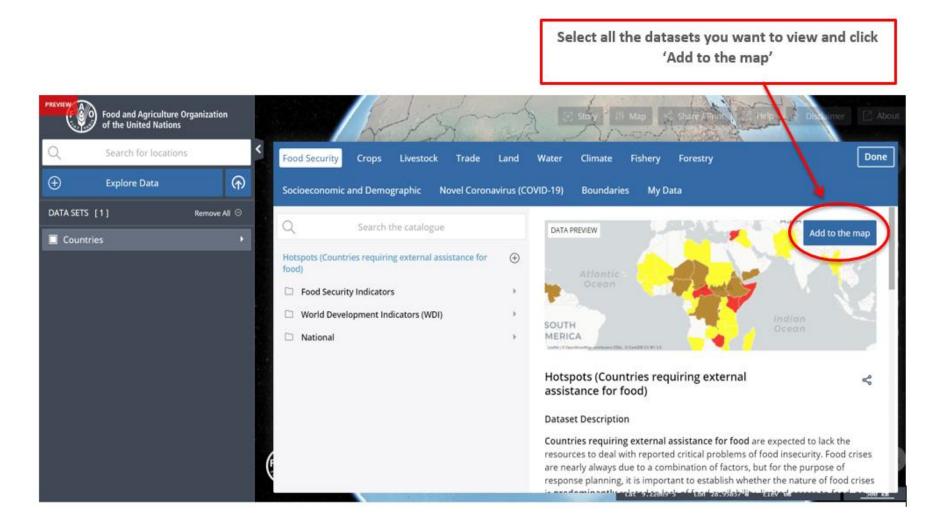
## Add your own public or private data

Upload local or web data to complement datasets available in the platform to compare private or sensitive data to publically available data without sharing it with other platform users.



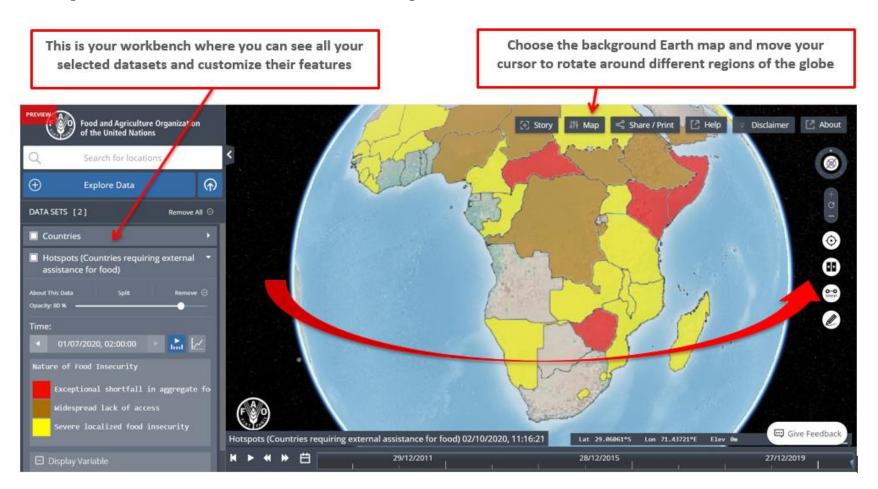
#### Add all the selected datasets to the map

Once you have decided on the datasets to select, click on 'Add to the map' to view the data directly on the map. You can choose one dataset or select multiple datasets to overlay and compare them in the map viewer.



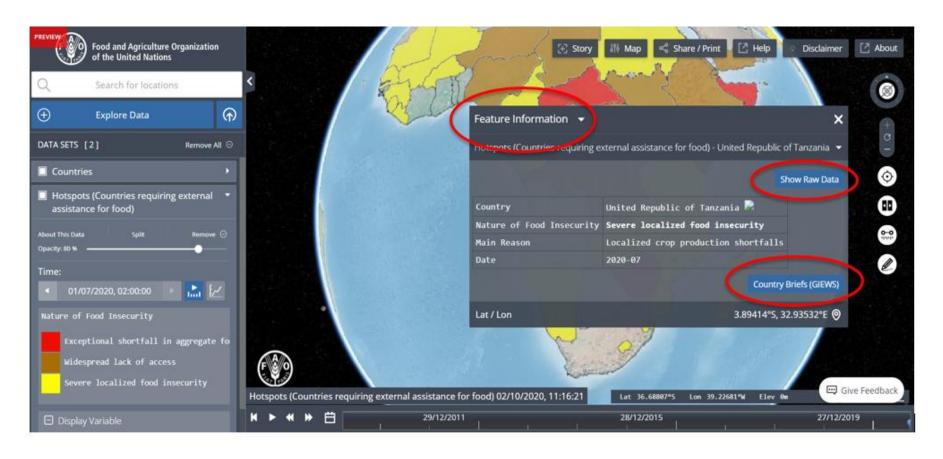
#### Customize your data by adjusting the available features

The platform provides multiple features to customize data visualization. The left hand column contains your workbench and legend that describes each dataset that you have added to the map. Depending on the type of data, you can adjust the opacity of the colors, select the year, and further refine the criteria. Using the cursor you can zoomin from global to subnational level or move left and right to view different continents.



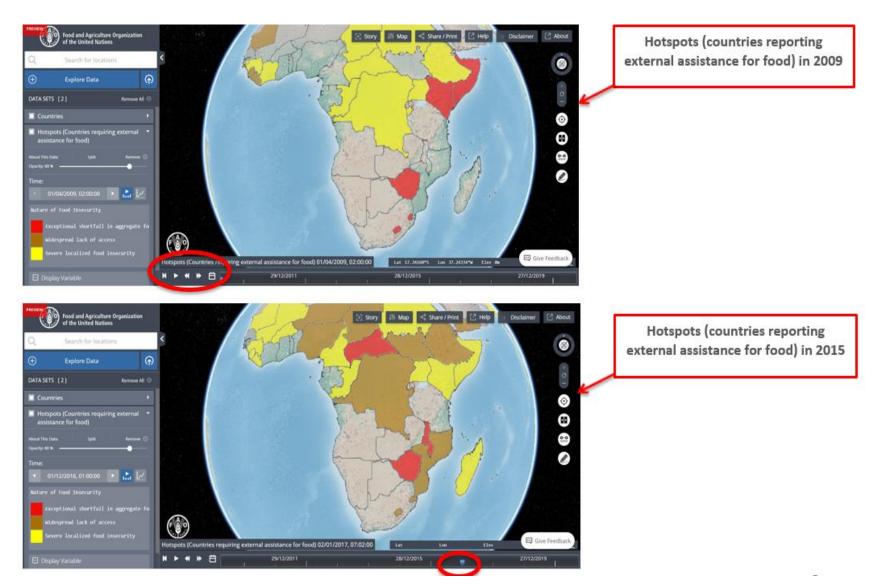
#### View specific feature information of your data by country

Click on any country on the map to view specific information related to the dataset selected and access the raw data or additional resources. The example below of Hotspots (countries requiring external assistance for food) displays country, nature of food insecurity, main reason, as well as latitude and longitude.



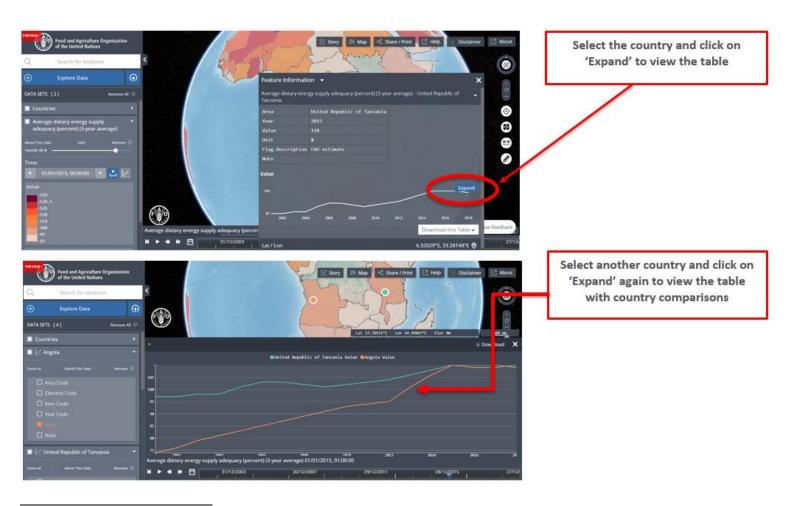
#### Adjust the features to show trends over time

Use the slider on the bottom to view the changes over time for your selected dataset or datasets.



#### Direct integration with FAOSTAT enables time series trends on the map

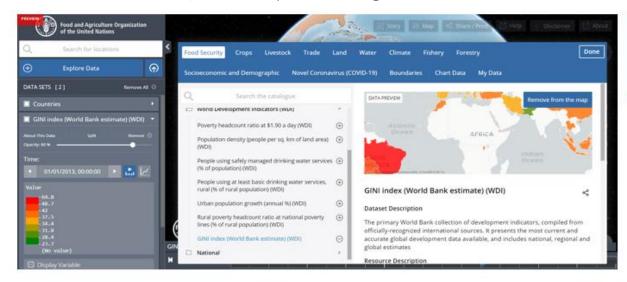
In addition to retrieving information from the data catalogue, the platform pulls data directly from FAOSTAT<sup>1</sup> in real-time and generates table comparisons for each country simply by clicking on 'Expand' and then selecting another country and clicking on 'Expand' again.



<sup>&</sup>lt;sup>1</sup> FAOSTAT provides free access to food and agriculture data for over 245 countries and territories and covers all FAO regional groupings from 1961 to the most recent year available.

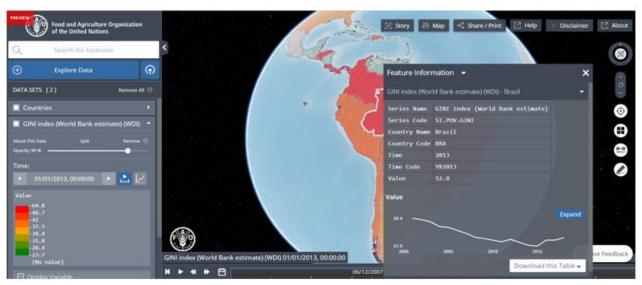
#### Compare data from external leading data collection agencies

Data is also available from leading agencies with data collection capabilities to facilitate comparisons of cross-sectoral data for more informed, more comprehensive agricultural-related data-driven maps.



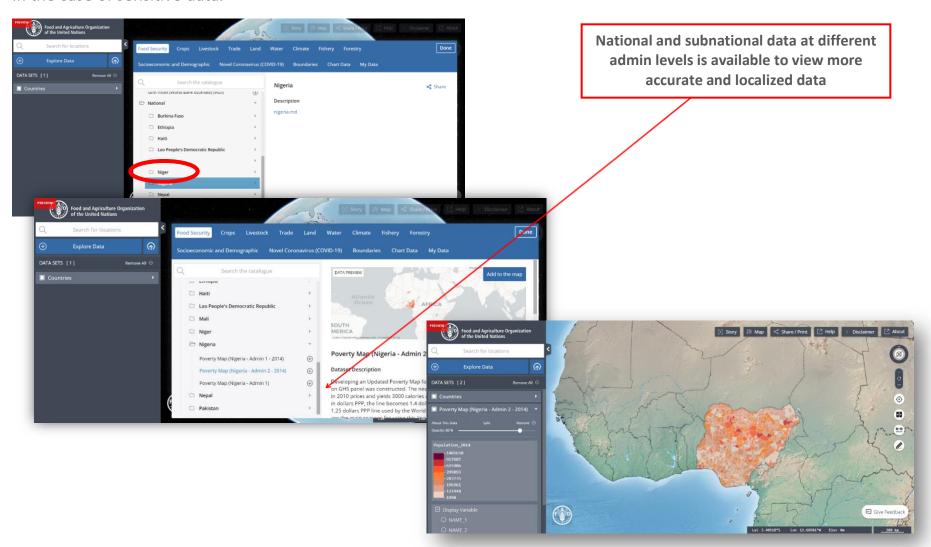
Example: GINI Index (World Bank Indicators) and other World Bank indicators are available

View the feature information for external datasets and click on 'Expand' for comparisons



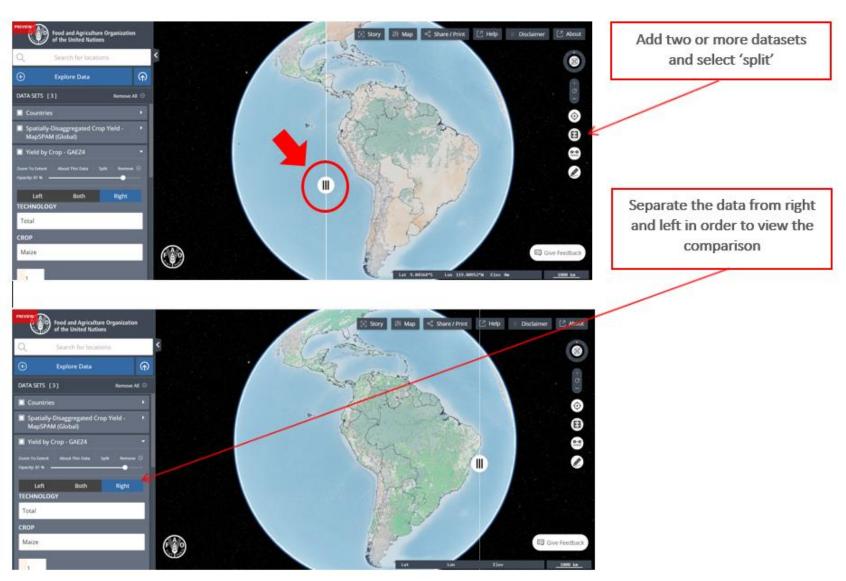
#### Add national data to strengthen country reports

Publically available national data is already integrated in the platform using the Database of Global Administrative Areas (GADM) for subnational boundaries. Any private data can be added through the 'My Data' feature shown above in the case of sensitive data.



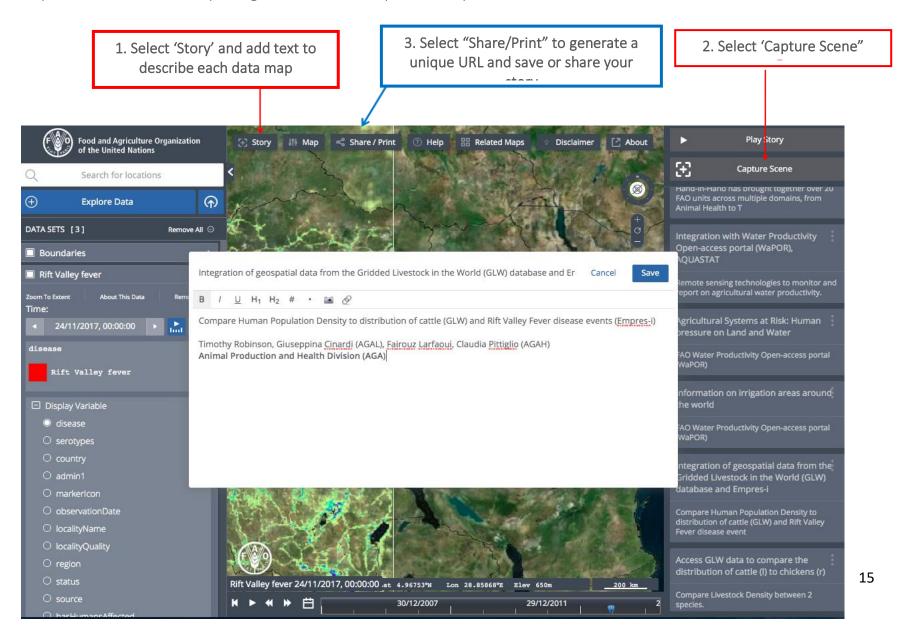
## Use the 'split' feature to compare different datasets

The 'split' feature allows you to compare different data, moving left and right with cursor, for comparison.



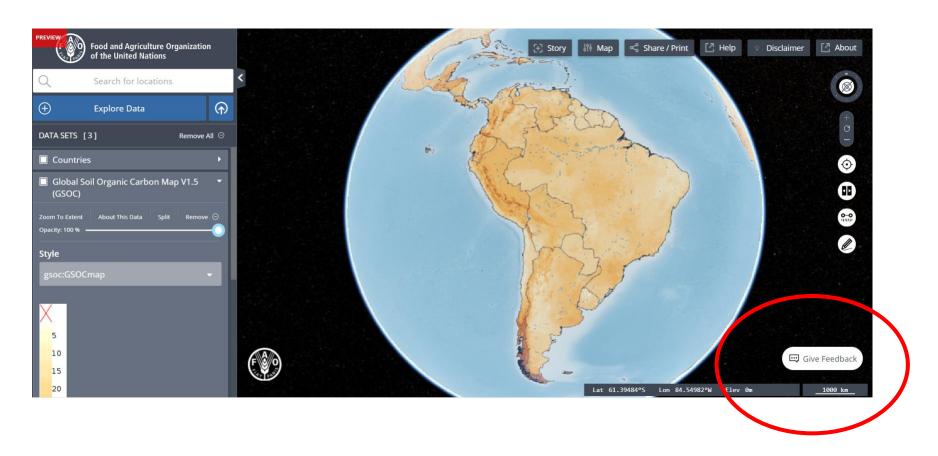
#### Transform your data map into a "click and play" impact story

Once you are finished assembling the data, save and publish your data by capturing each scene and adding brief descriptions to create a compelling data-driven story to make your case.



## Give Feedback directly through the platform

The HiH team is working to continuously integrate new datasets and create country and domain specific evidence-based case studies to improve targeting and tailoring of policy interventions, innovation, finance and investment, and institutional reform. For feedback related to data or to the platform, select 'Give Feedback'.



#### Ready to get started?

Access the platform and start creating your data maps: <a href="https://data.apps.fao.org/">https://data.apps.fao.org/</a>

For more information or to get involved contact <a href="mailto:fao-data@fao.org">fao-data@fao.org</a>

All maps in this publication have been created using shapefiles from the United Nations.

Source: FAO Hand-in-Hand Geospatial Platform. 2023. Map geodata [shapefiles]. New York, USA, United Nations.

The boundaries and names shown and the designations used on these map(s) do not imply the expression of any opinion concerning the delimitation of its frontiers and boundaries. Dashed lines on maps represent approximate border lines for which there may not yet be full agreement.