

# Policy Support to Establish an Information System for the Agri-Food Sector (SISAGRO) in Honduras



**KGID  
2025**

**Green Growth:  
The Path to  
Sustainable Jobs**

**Francisco Bueso**

*Senior Agriculture Economist SLCAG  
World Bank Group*

**Luis Ayala**

*Advisor  
Ministry of Agriculture and Livestock Honduras (SAG)*

# From Disperse to an Integrated Ag Information Platform (SISAGRO)

## INFOAGRO

*Agri-Food Information Service*

- Platform created by SAG to disseminate national agricultural information.
  - Dissemination of agroclimatic reports, climate outlooks, GIS data, inputs and commodity market price monitoring and technical and statistical information on crops.
  - Interactive GeoPortal, crop potential map, agri-food chain producers, free production zones, among others.
- Manual processes and limited resources.
  - Lack of data quality control.
  - Non-immediate communication (PDF).



*State Policy for the Agri-Food Sector  
2023-2043*

2024

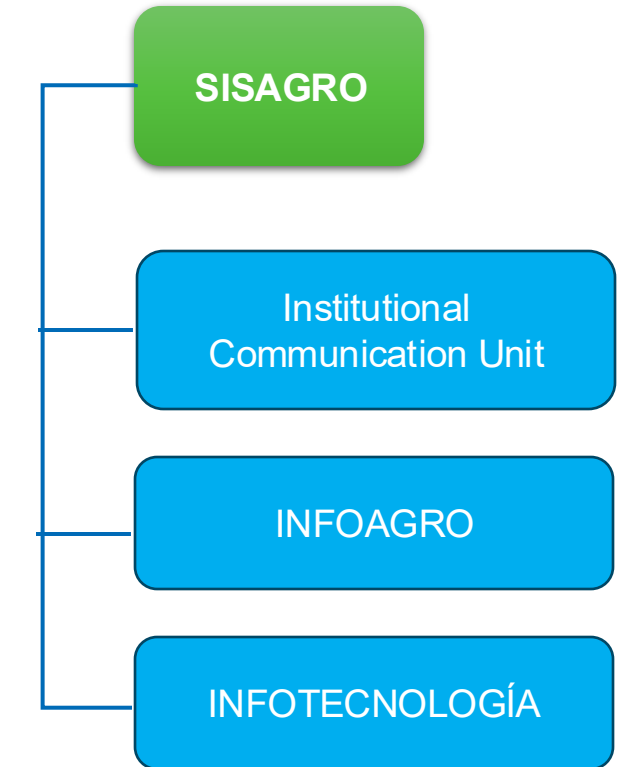
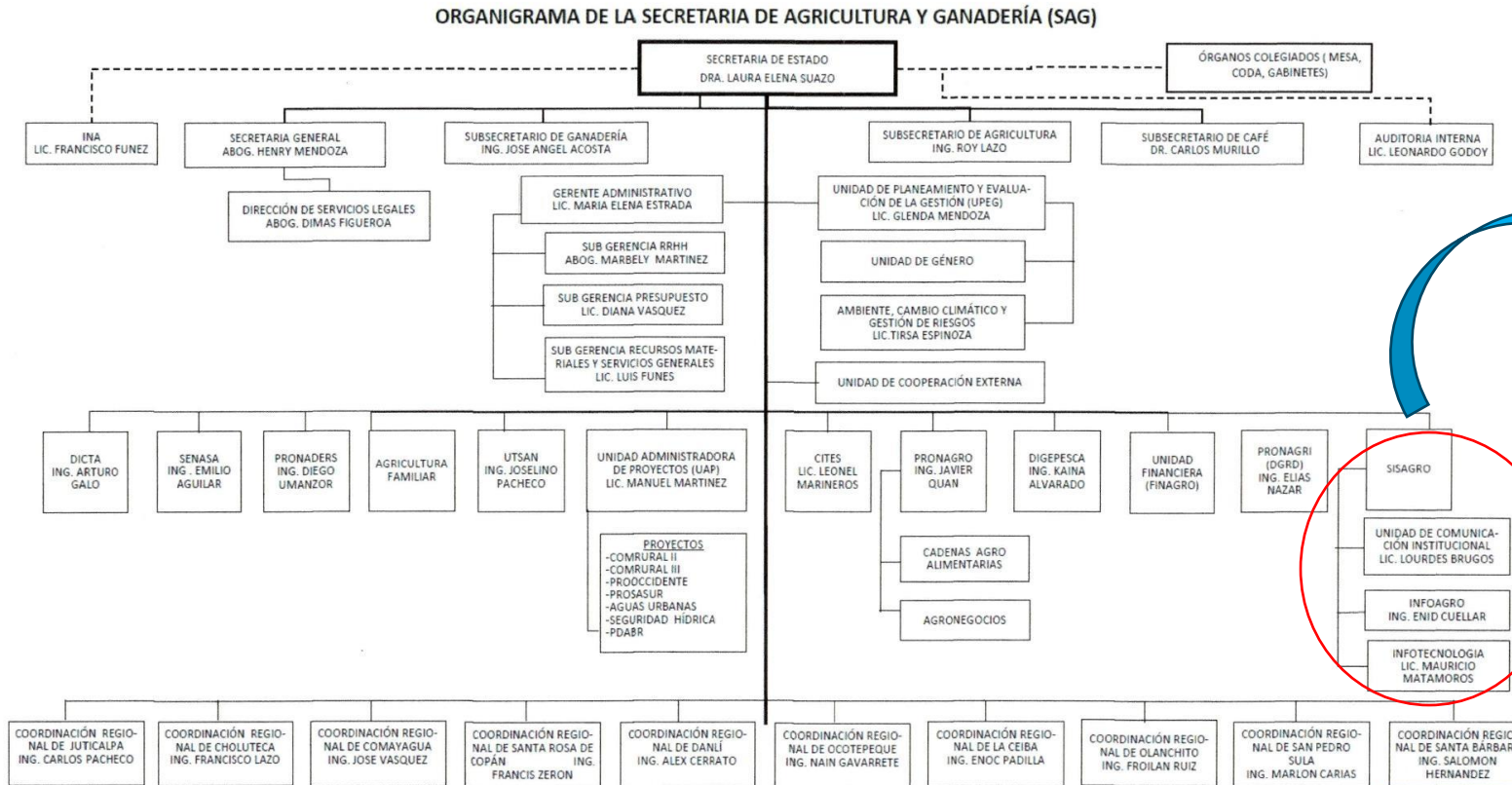
- The Honduran government is promoting the digital modernization of the agricultural system.
- Support: SAG (COMRURAL III) - World Bank - KGGTF.
- Partners: FAO, CIAT, IDB
- The institutional and financial framework for designing (phase 1) and developing (phase 2) SISAGRO was established.

## SISAGRO

*Agri-Food Information System*

- Integrated, modern, and interoperable platform for managing policy & regulatory, climate, production, technical support, market data and information.
- Digital, scalable, and user-centered approach:
- AG census (CAN): first in 32 years
- Institutional coordination and collaboration with international partners.
- Regulatory framework for data and information governance, protection and management.
- Support for climate-smart agriculture

# SISAGRO is now an Integrated Unit in SAG



# KEY RESULTS

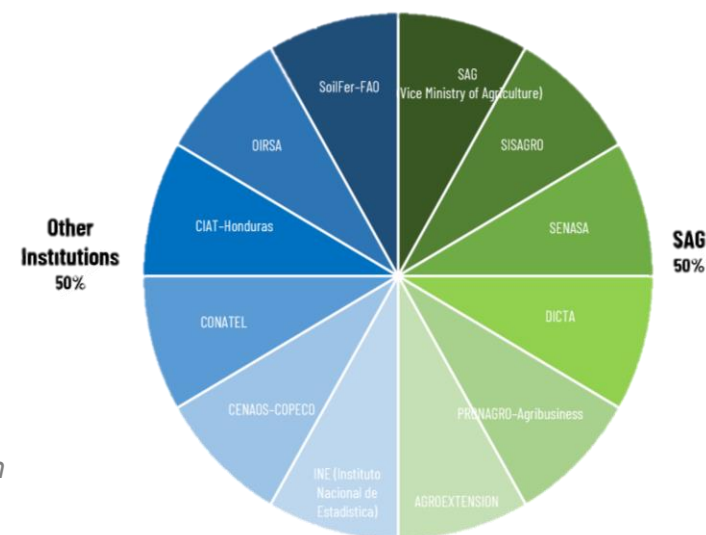
## Support the Government of Honduras in the development of SISAGRO

### PILLAR 1. Enable Policy support for the development of SISAGRO

- Diagnosis of current agri-food information service
- Identification of gaps, bottlenecks and challenges at different levels
- Recommendations of policy instruments: data governance policy

### PILLAR 2. Enabling technical support for the development of SISAGRO

- Policy framework for the establishment of SISAGRO
- Design of the SISAGRO platform
- Proposals for Application Programming Interfaces (APIs)
- Design of User Interface



Aug 2025.

- 14 interviews or discussions were conducted.
- 12 institutions, including nine government agencies and 3 non-governmental institutions.
- All meetings were coordinated directly with the directors or official representatives of each institution invited.



# KEY RESULTS

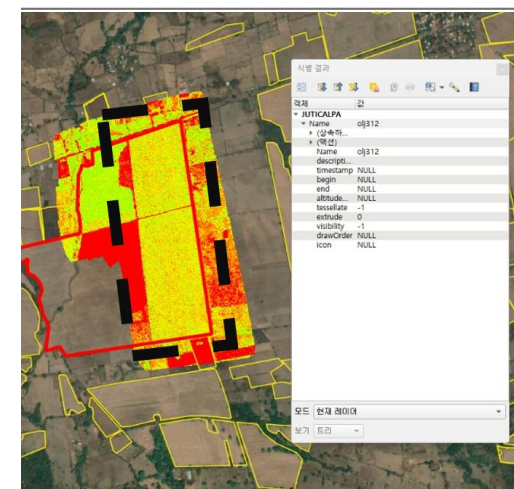
## Capacity Building for Policy Makers

### PILLAR 3. Building capacity for the development of SISAGRO

- 29 participants, trained in Agrometeorology and Remote Sensing.(2024)
- 26 participants, of whom 19 attended in person and 7 virtually, trained in Agrometeorology and Remote Sensing. (2025)
- 7 SAG technicians field trained in drone data collection, ground survey data collection and data analysis for maize monitoring and harvest prediction

### Pillar 4. Building capacity for the operation of SISAGRO

- 6 participants, trained in digital platforms and drone application in Korea.(2024)



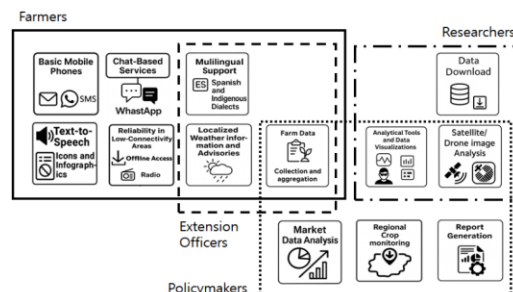
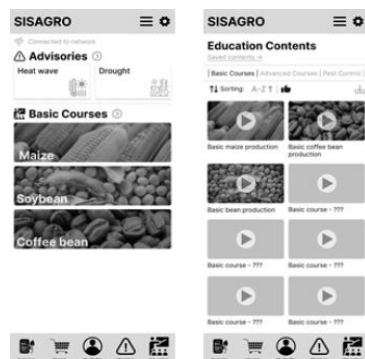
# INNOVATIONS

## Development and Implementation of SISAGRO

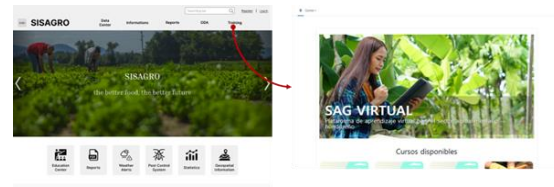
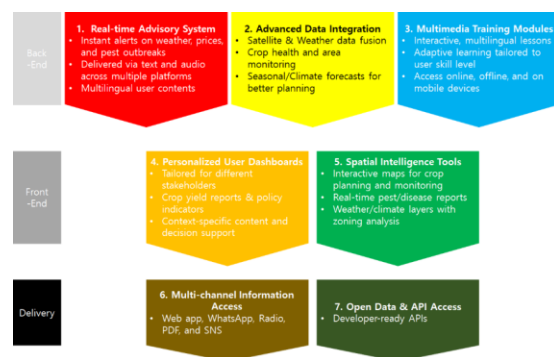


### Integrated, modern, and interoperable technology

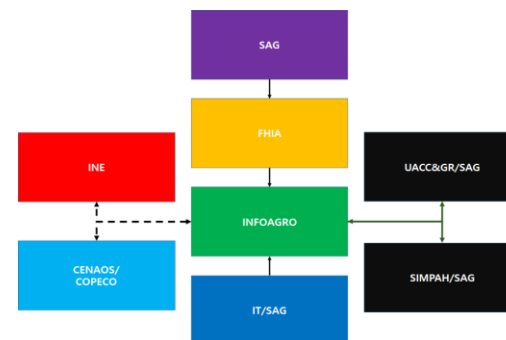
Mobile user interface of training modules for farmers.



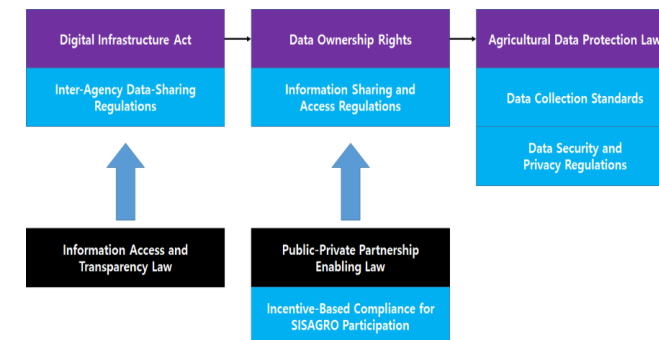
### Integration of data sources



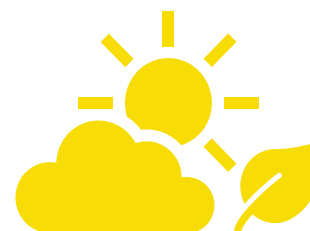
### Institutional coordination



### Regulatory framework for data protection and management



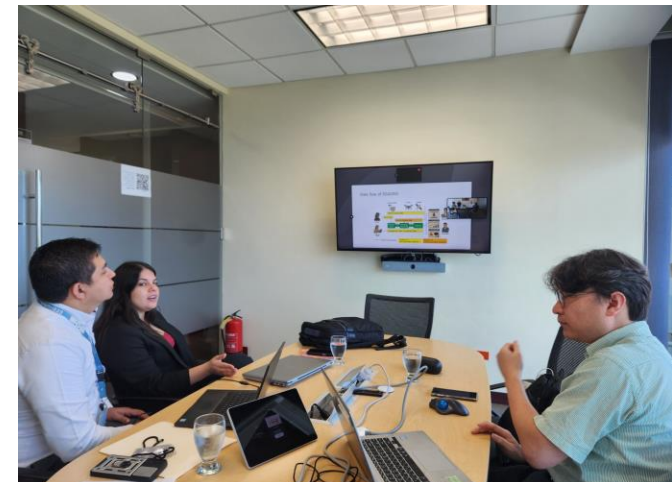
Outline of the legal framework for the establishment and operation of SISAGRO. Enacted laws are indicated in black. Blue arrow represents the recommended sequence of implementation for the laws.



Support for climate-smart agriculture

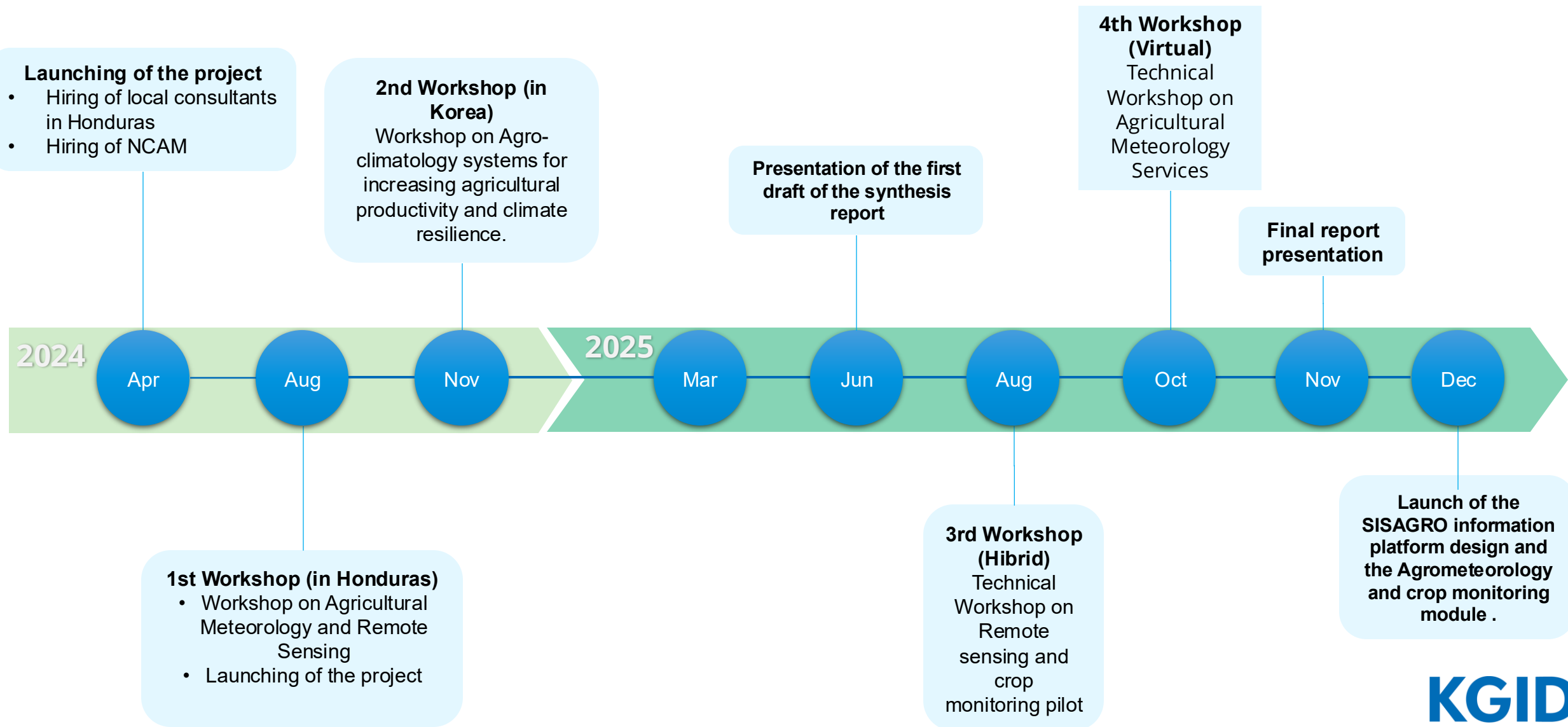
# POLICY and PARTNERSHIP IMPACT

- Strengthening collaboration between public institutions, academia, and international partners.
- Promotes transparent and standardized data governance.
- Contributes to the adoption of climate-smart agriculture.





# IMPLEMENTATION TIMELINE





THANKS

Francisco Bueso

Email: [fbuesoucles@worldbank.org](mailto:fbuesoucles@worldbank.org)

Phone: +1 (202) 594-2374