

PART 1: TURKISH AGRICULTURAL STATISTICS

03.04.2014



REPUBLIC OF TURKEY
MINISTRY OF FOOD AGRICULTURE
AND LIVESTOCK

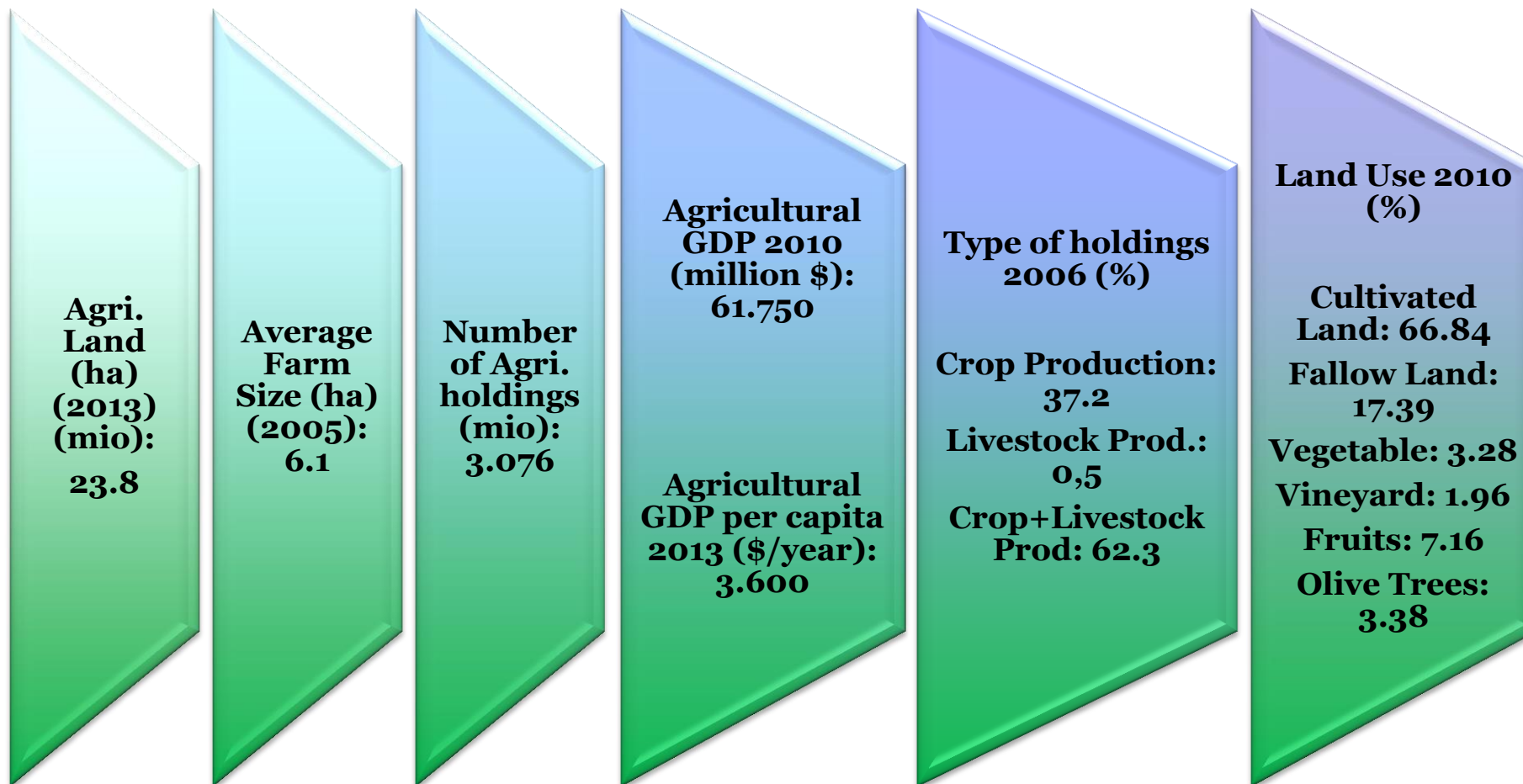
CONTENT

- Overview
- Resources of Agricultural Statistics
- Achievements



OVERVIEW

Basic Indicators



Agricultural Structure

	Number	Land (1000 decare)	%
0-49 decare	2 013 646	39 344	65.5
50-99 decare	560 049	38 127	18.2
100 decare +	500 955	103 877	16.3
Total	3 076 650	181 348	100



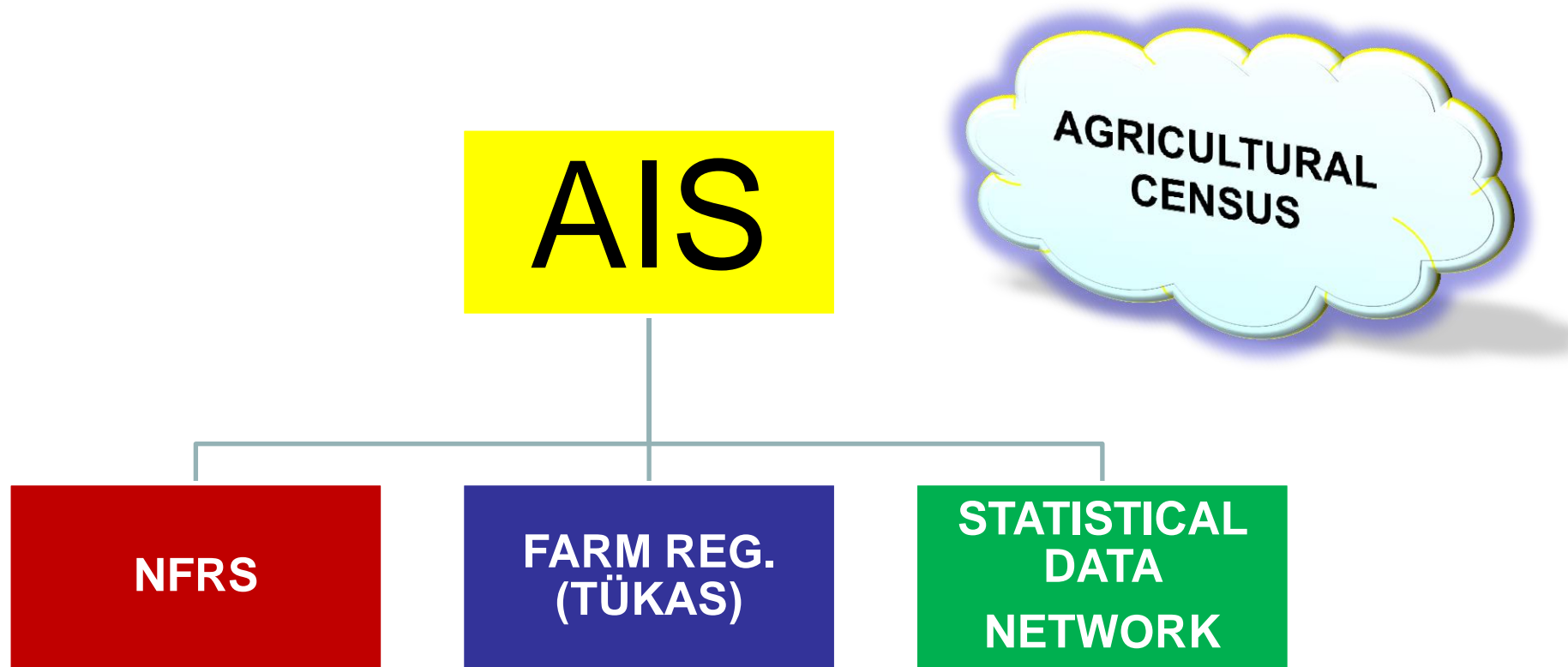
Advantages of Turkish Agricultural Structure

- Rich natural resources
- A long way to exhaustion of our full potential
- Vast agricultural land
- Untouched soil
- Rich in terms of bio-diversity
- Favorable climate conditions
- Dynamic and improving food industry
- Strategic crossroad to different trade zones



RESOURCES OF AGRICULTURAL STATISTICS

Statistical Resources in Agriculture



Statistical Data Network

Crop Prod.

- Area, production and yield information
- Under shelter
- Orchards and Viticulture
- Goog Agr. Practices and Organic production
- Irrigation

Livestock Prod.

- Bovine animals inventory
- Sheep and goat inventory
- Apiculture
- Fisheries
- Livestock products production
- Poultry

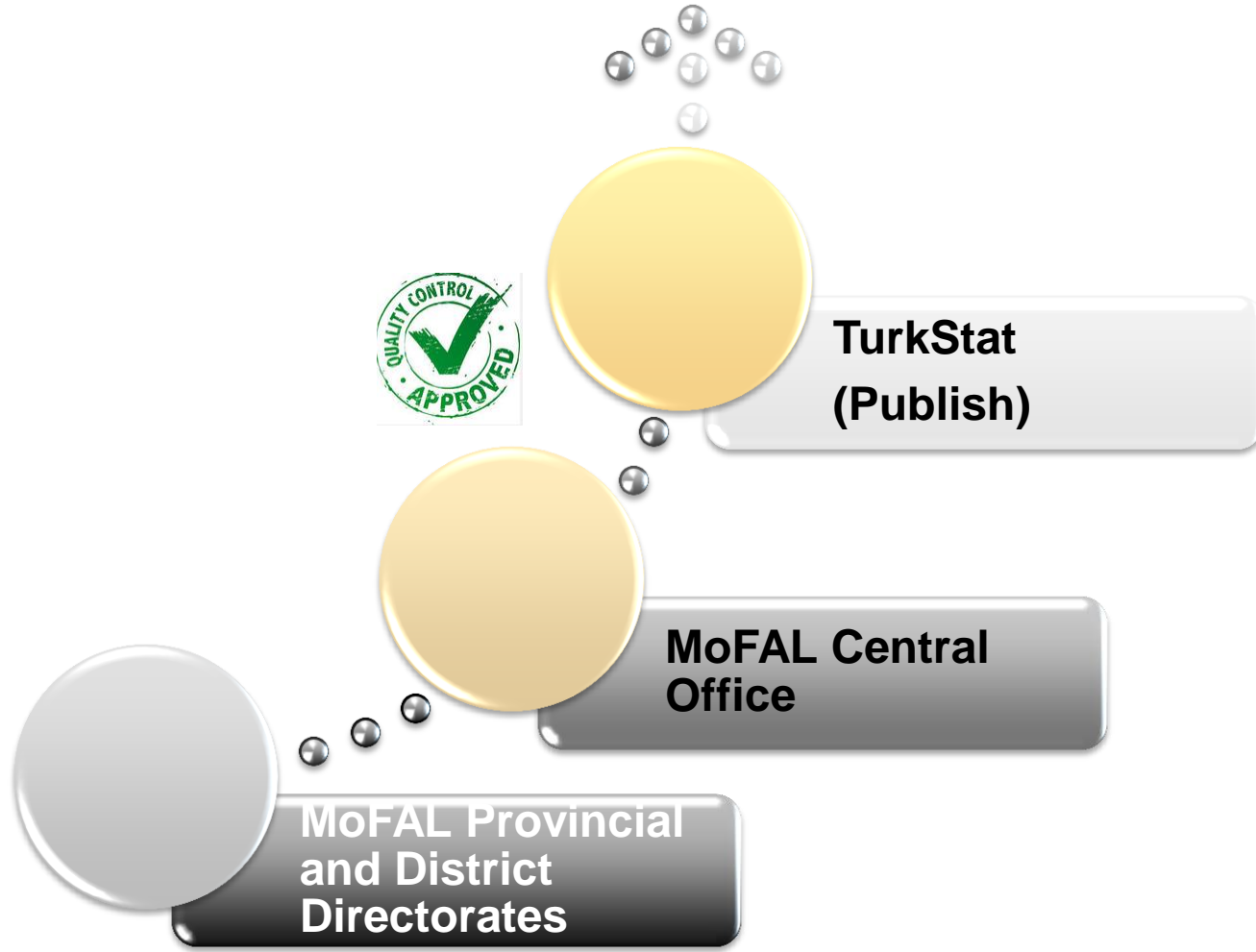
Machinery

- Agricultural machine inventory

Input Information

- Fertilizer
- Seed
- Plant Protection
- Feedingstuff
- Chemicals
- Marketing

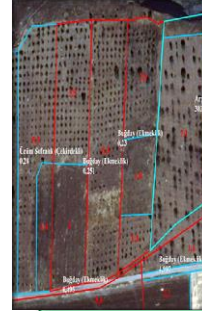
Statistical Data Network



Features of Agriculture Information System



Identification of the agricultural lands



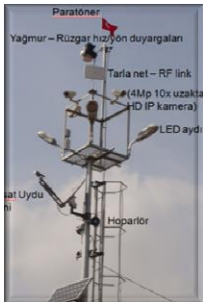
The development of cadastral systems infrastructure



Integration of agricultural and cadastral parcels with the relevant information



Satellite Center Management System



Establishment and operation of the Phenological Observation Stations



Statistical data collection and analysis system management

Agriculture Information System

Administrative Registers

- **Good Agricultural Practices**
- **Organic Farming**
- **Greenhouse Production**
- **Special Products**
- **Irrigation Data**
- **Soil Analysis**
- **Cooperative Credits**
- **Certified Seed**
- **Fertilizer Follow-up**
- **Plant Protection**
- **Veterinary Medical Products**
- **Plant-Ecological Requirements**
- **Marketing**
- **FARM REG. (TÜKAS)**

Agricultural Census

- ❖ 10000 staff is assigned on village level who are responsible for extension services and collecting data
- ❖ Data will be generated continuously and dynamically
- ❖ By using administrative registration system agricultural census will be done every year





ACHIEVEMENTS

Using «AIS» Will Enable To:

- ❖ The farmer will be able to have an idea in respect of how much irrigation he/she needs to do at average according to the type of plantation.
 - ❖ It will give an idea to people in charge in regard of the amount of water to be directed from the irrigation dams to channels.
 - ❖ With this system, both farmer and the economy of the country will have gains.
 - ❖ With the controlled use of water in agricultural irrigation, unnecessary usage of water resources will be prevented.
 - ❖ Effective production planning will be made
 - ❖ The productivity will rise.
 - ❖ The producer's profit will rise.
 - ❖ Decision support in the storage and purchasing management through estimation and monitoring
 - ❖ Market price regulation by forecast support to warehouse management
 - ❖ Risk management savings
- will be ensured.

2013 Constantinus International Award

Gold Medal

Worldwide Methodology and Pleasure in
Agricultural Statistics Award via
implementation of EU Project on
«*Technical Assistance and Data
Collection for Strengthening the Statistical
Capacity of MoFAL*»

Granted to MoFAL at **27 September
2013** in **Johannesburg**

**Olive oil enumeration has achieved 98,5 % accuracy in
Gölmarmara**



End of the Part 1

General Directorate of Agricultural Reform



REPUBLIC OF TURKEY
MINISTRY OF FOOD AGRICULTURE
AND LIVESTOCK

PART 2: TURKISH STATISTICAL SYSTEM



Turkish Statistical Institute (TurkStat)

CONTENT

- Mission
- Official Statistical Programme (OSP)
- Statistical Council
- Agricultural Statistics Department



MISSION

- TurkStat is responsible for;
 - Determining basic principles and standards,
 - Compiling,
 - Evaluating,
 - Producing of necessary statistics,
 - Publishing and disseminating data needed at national/international level

Official Statistical Programme (OSP)

- Coordinating institutions and organizations with Official Statistical Programme (**OSP**)



Official Statistical Programme (OSP)

- Based on Turkey Statistical Law No:5429.
- Adoption of the OSP is under the authority of **Council of Ministers**
- It is prepared for 5-year-period.
 - First Programme —————→ 2007 - 2011
 - Second Programme —————→ **2012 – 2016**

Official Statistical Programme (OSP)

- Prepared for;
 - Determining basic principles and standards for production and publication of official statistics;
 - Producing for;
 - ✓ Current
 - ✓ Updated,
 - ✓ Reliable,
 - ✓ Timely,
 - ✓ Transparent
 - ✓ Impartial data

Objectives of OSP

- Same classifications and standarts
- Only one official statistics in all areas of national and international level,
- Effective division of labor by gathering official statistics under one roof
- Providing an efficient and effective coordination between the institutions,
- To avoid duplication and unnecessary costs by using existing resources

Content of OSP

- Programme covers information related to collection of data by responsible institutions with;
 - ✓ constraints of definition,
 - ✓ methodology,
 - ✓ coverage,
 - ✓ classification,
 - ✓ frequency of compilation and dissemination.
 - ✓

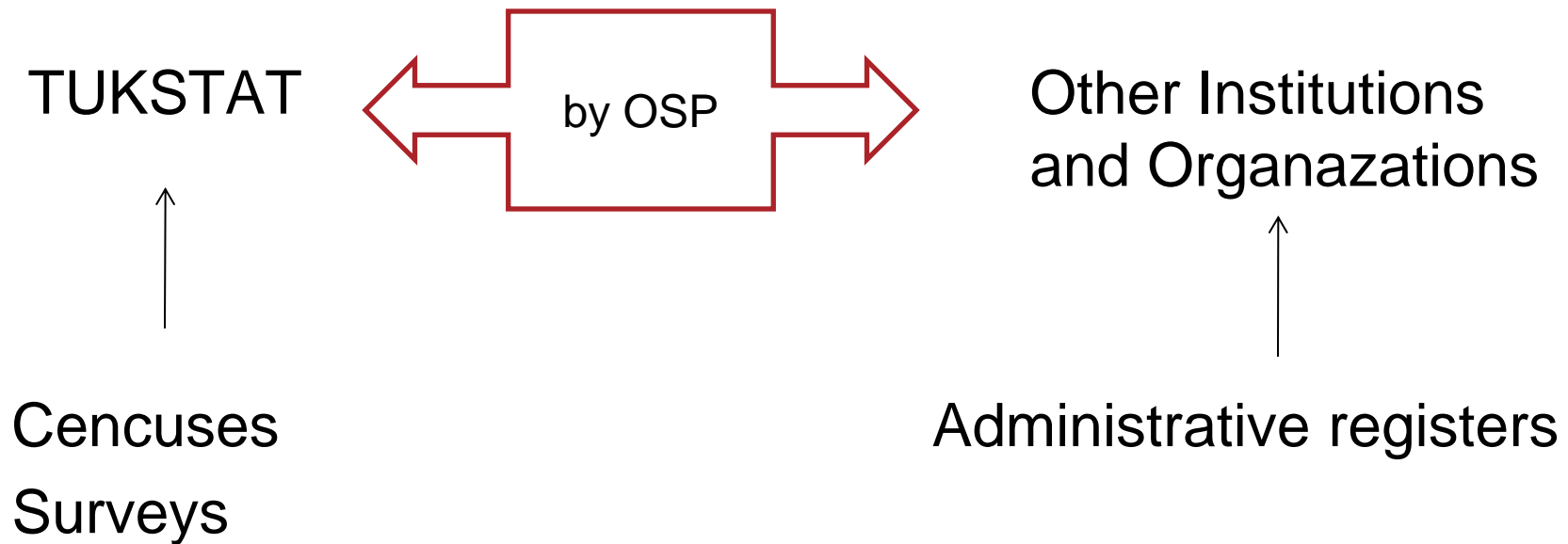


Statistical Council

- “OSP Annual Monitoring Report“ —————→ **by TurkStat**
 - Evaluate the level of implementation of the Programme.
 - Precautions needed?
- ❖ **Monitoring reports are evaluated through discussions in the Statistical Council.**

Official Statistics

The data is obtained;



Agricultural Statistics Department

- Agricultural Production Statistics Group,
- Agricultural Structure and Economic Accounts Group

Agricultural Statistics

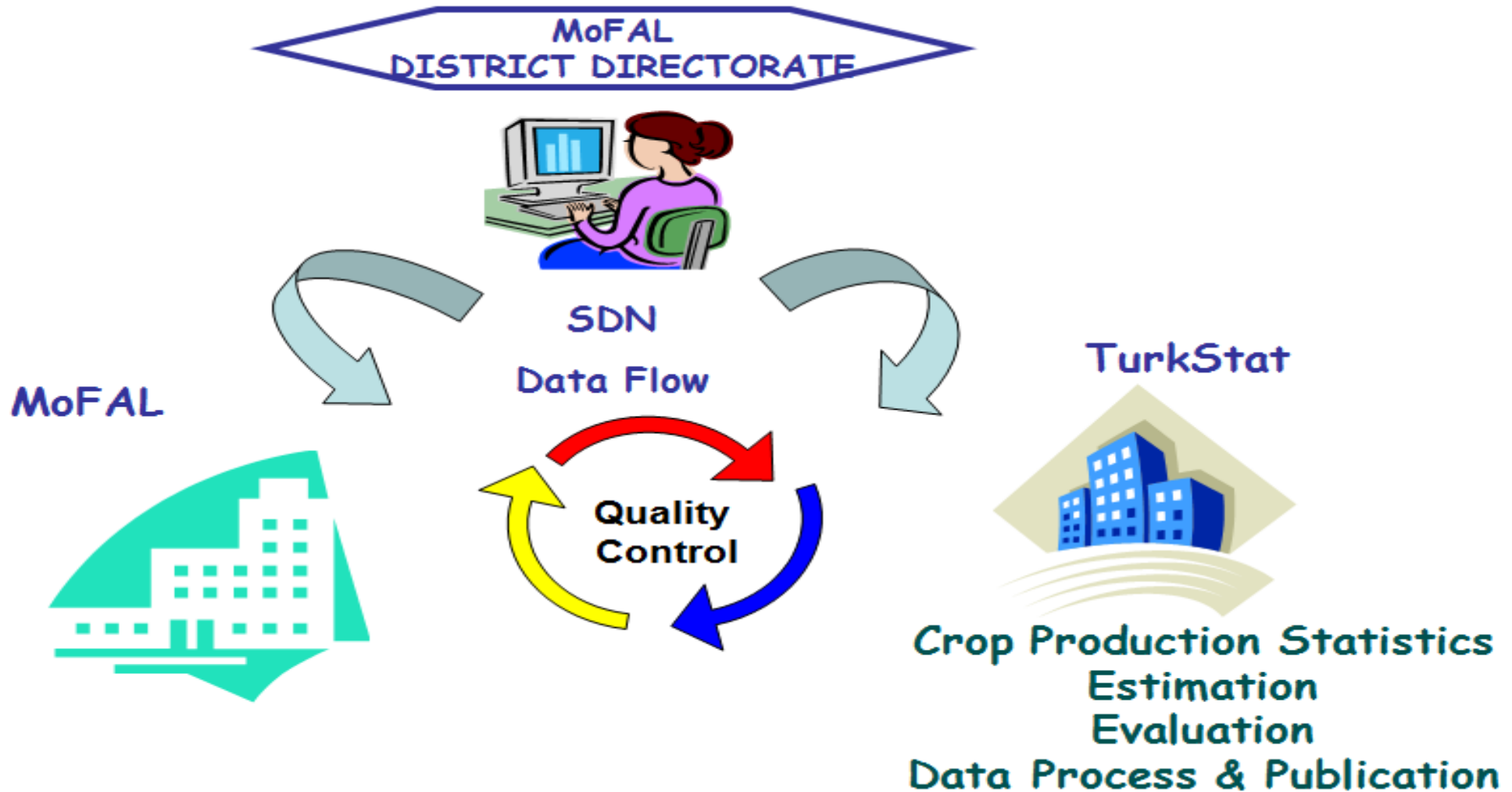
Compiled statistics are:

- **Census:**

The last Agricultural Census was conducted in 2001. Studies on 2014 Agricultural Census (continue)

- **Crop Production Statistics:**

- Province and District Directorates of MoFAL, administrative register
- via a web based programme; “Statistical Data Network” (SDN)



- **Organic Farming:**

MoFAL; administrative register,

- **Agricultural Machinery and Equipment:**

MoFAL; administrative register,

- **Numbers of Livestock:**

MoFAL; administrative register,

- **Forestry Statistics:**

Min.of Forestry and Water Affairs; administrative register

- **Animal Products:**

Data is compiled by TURKSTAT Regional Offices via questionnaire, e-mail, phone and fax monthly and constituted into data mining process.

- Milk production,
- Number of slaughtered animals and the quantity of red meat production,
- Quantity of hide (animal skin) production,
- White meat and poultry

- **Fishery Statistics:**

Compiled annually and analyzed by TurkStat, and administrative data on aquaculture.

- **Producer Price Index of Agricultural Products:**
 - Administrative registers and farmers
 - Following montly changes
 - First sale price of agricultural products

- ❖ Computations are made considering European Union methodologies and national needs.

- **Agricultural Holdings Wage Structure Survey:**

Labour force prices are collected in selected settlements on the base of gender.

- **Supply Balance Sheets Tables**

- cereals and other crop products,
- vegetables,
- fruits, nuts and beverage crops.

❖ SPSS/SAS and Data Mining programs are used for data processing.

THANK YOU

İlhan TARLACI
Head of Agricultural Statistics
TURKSTAT