بسم الله الرحمن الرحیم

IRANSTARS

Iran's Statistical Registers System

Approved by Iranian High Council of Statistics in 2014

Wrong Idea: Producing statistics directly from the administrative data.

Administrative goals differ from statistical purpose.

Administrative registers

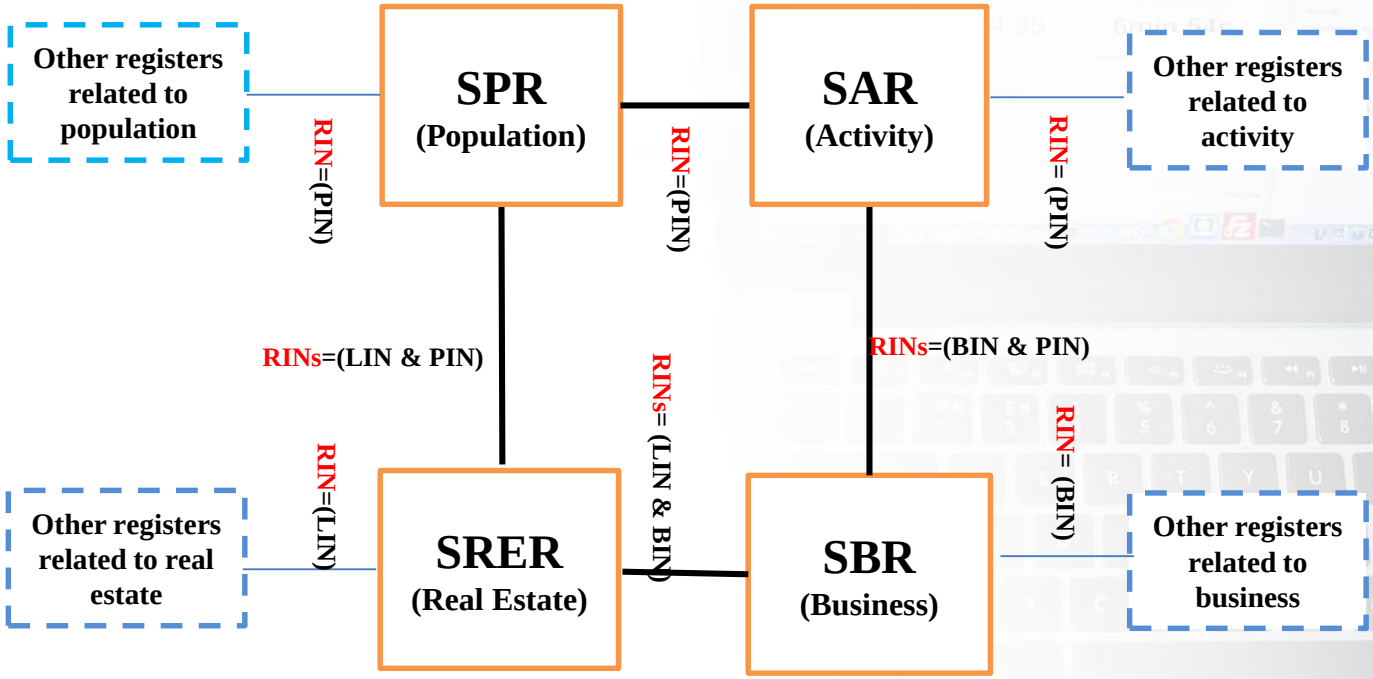
Register-statistical processing

Statistical registers

Register-statistical processing

- Editing data
- Assigning codes to data
- Handling missing data
- Processing the reference times
- Adjusting definitions of objects and variables
- Creating new objects or variables (Derived from existing objects and variables)

IRANSTARS's Conceptual Model



PIN: Personal Identity Number
BIN: Business Identity Number
LIN: Location Identity Number
RIN: Record Identity Number

Main Usage of the System

Who does what activity in what business and in which place?

Of course from the statistical point of view

Main Variables of Population Register

Name	Mother's Name	**Divorce Status** • Date of divorce • Spouse's national ID number
Family name	Mother's national ID number	
National ID number	Gender	
Birth certificate number	Religion	**Death** • Date of death • Cause of death
Date of birth	**Marital Status** • Date of marriage • Spouse national ID number	
Place of birth		
Father's name		Postal code of residence

Main Variables of Activity Register

Name

Family name

National ID number

Activity status

- **Student**
  - Level of education
  - Semester (If needed)
  - Field of education
  - Place of education
  - Postal code for place of education
  - Unique ID for place of education

- **Employed**
  - Type of employment (public sector, private sector,…)
  - Name of the employer
  - Postal code for place of employment
  - Unique ID for place of employment
- **Unemployed**

Being unable to work (Yes/No)

- Cause
- Time

Retirement (Yes/No)

- Responsible organization
- Retirement age
- Work experience

Main Variables of Business Register

Title for Place of Business	• Name of permit holder	
Postal code for place of business	National code of owner(s)- legal person	Number of staff
Main activity	• Legal status of the work place • Address of the headquarter • Phone No. of the headquarter	Type of permit
ISIC code of main activity		Number of permit
• Possession status • ID No. of owner(s)- Natural identity • National code of owner(s)- legal entity		Date of permit
		Expiry date of permit

Main Variables of Real Estate Register

Postal code	Property usage type	Type of materials
Address	Area of property	No. of registered plaque

- Possession status
- ID No. of owner(s)- Natural identity
- National code of owner(s)- legal entity

Name of residents	No. of floors	Phone number
National ID number of residents	Construction year	Type of building

General Objectives

1. Register- based national population and housing census.

2. Production of new, accurate, timely and continuous statistics regarding social, economic and cultural characteristics for all macro level decision making.

3. Preparation of statistical frames required for using in surveys and control and improvement of surveys quality (census and sampling survey).

4. Improvement of surveys' quality by improving the statistical frameworks.

5. Decreasing response burden

6. Exchange of data among government agencies through linking their administrative registers

Phase 1: study, planning and paving the way

Phase 2: Collecting required administrative registers

Phase 3: System establishment

Phase 4: Production and dissemination of register-based statistics and updating the system

Population register

Ministry of Interior (including Civil Registration Organization)

Activity register

Ministry of Interior (including Civil Registration Organization)

Business Register

Ministry of Economic Affairs including Tax Organization)

Real estate register

Ministry of Communications and Information Technology (including Post of Iran)

- Population census and housing
- Life Events register
- Subsidies register
- Legal addresses
- Entrance to and departure from the country register
- Foreigners register

Population Register

Activity Register

- **Social Security register**
- **Country retirement register**
- **Government employees**
- **Students register**
- **Job ID, Education, and Skill register**
- **Unemployment Insurance register**

Real State Register

- **Post register**
- **Cadaster register**
- **Mortgages register**
- **Billing records register (electricity-gas-telephone-water)**

Business Register

- **Tax register**
- **Post register**
- **Unions registers**
- **Social welfare register**

- Forming 5 Technical Committees:
  - Four Register Committees
  - One IT and infrastructure committee
- Determining executive steps as follow:

1. Literature Review and completion of comparative studies
2. Providing the primary list of related databases
3. Identifying and visiting information systems related to databases
4. Following up activities about creating and improving administrative records by administrative authorities

Some Challenges

- Micro data transfer
- Data coverage
- Consistency
- Confidentiality
- Incompatibility of definitions and classifications
- Common use of identifiers (ID/ Postal codes)
- Updating mechanisms
- Quality assessment

5. Presenting the plan for the cabinet

6. Issuing two nationwide circulars

- ❑ *Vice president:* One-way micro data submission
- ❑ *Head of Budget and Planning Organisation:* budget cut for not providing the data

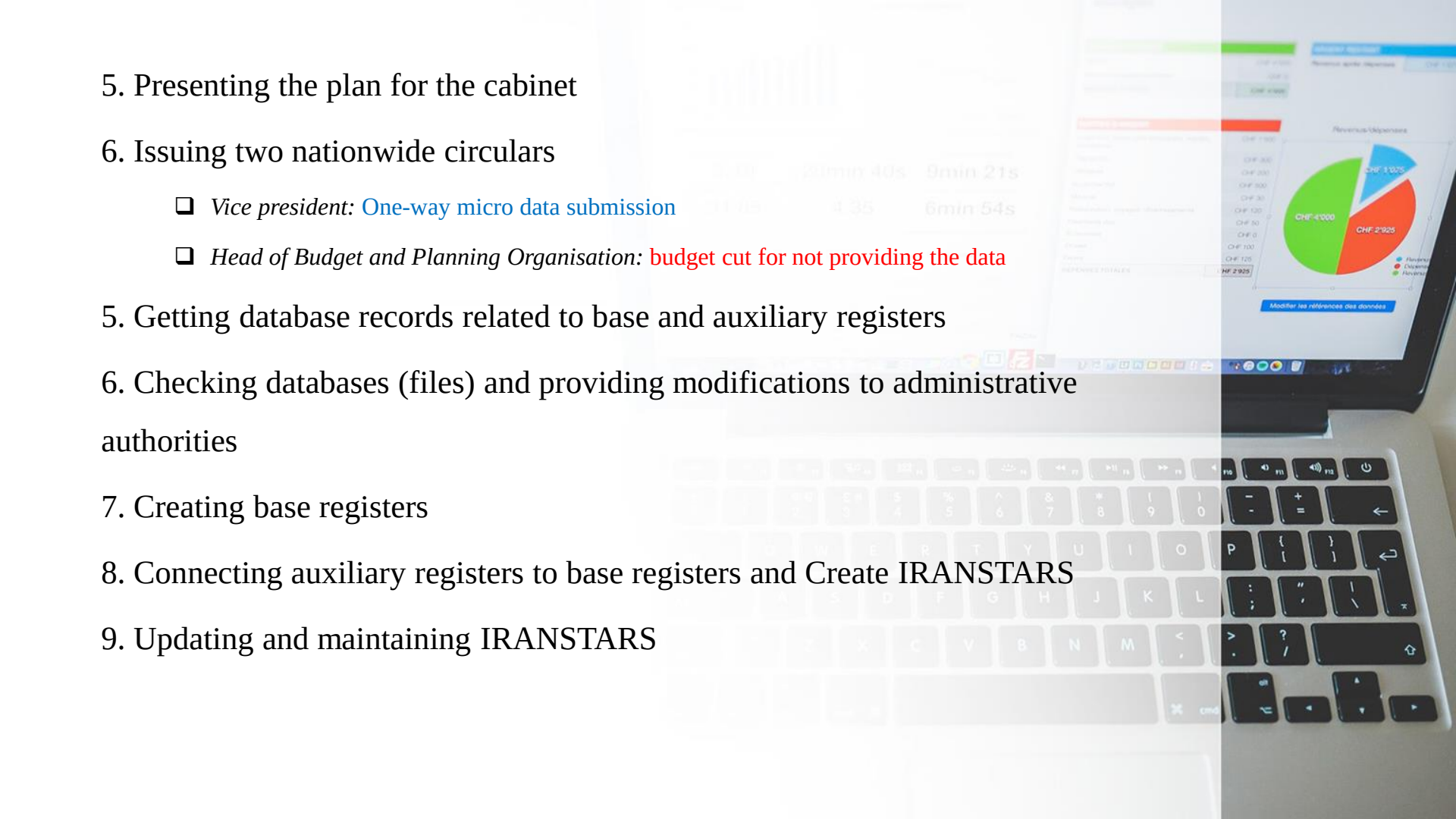
5. Getting database records related to base and auxiliary registers

6. Checking databases (files) and providing modifications to administrative authorities

7. Creating base registers

8. Connecting auxiliary registers to base registers and Create IRANSTARS

9. Updating and maintaining IRANSTARS



List of the Main Databases

1- Iranians Identities: National Organization for Civil Registration.

2- Properties and cadaster: State Organization for Registration of Deeds and Properties.

3- Vehicles' Identities: Police Department.

5- Goods and Services (Iran Code): Ministry of Industry, Mine and Trade.

6- Public Services and Processes: Management and Planning Organization.

7- Geocoded National Address File: Post of Iran

8- National Financial and Monetary System: Ministry of Economic Affaires and Finance / Central Bank

9- National Statistical Network : Statistical Centre of Iran

10- National Health: Ministry of Health and Medical Education

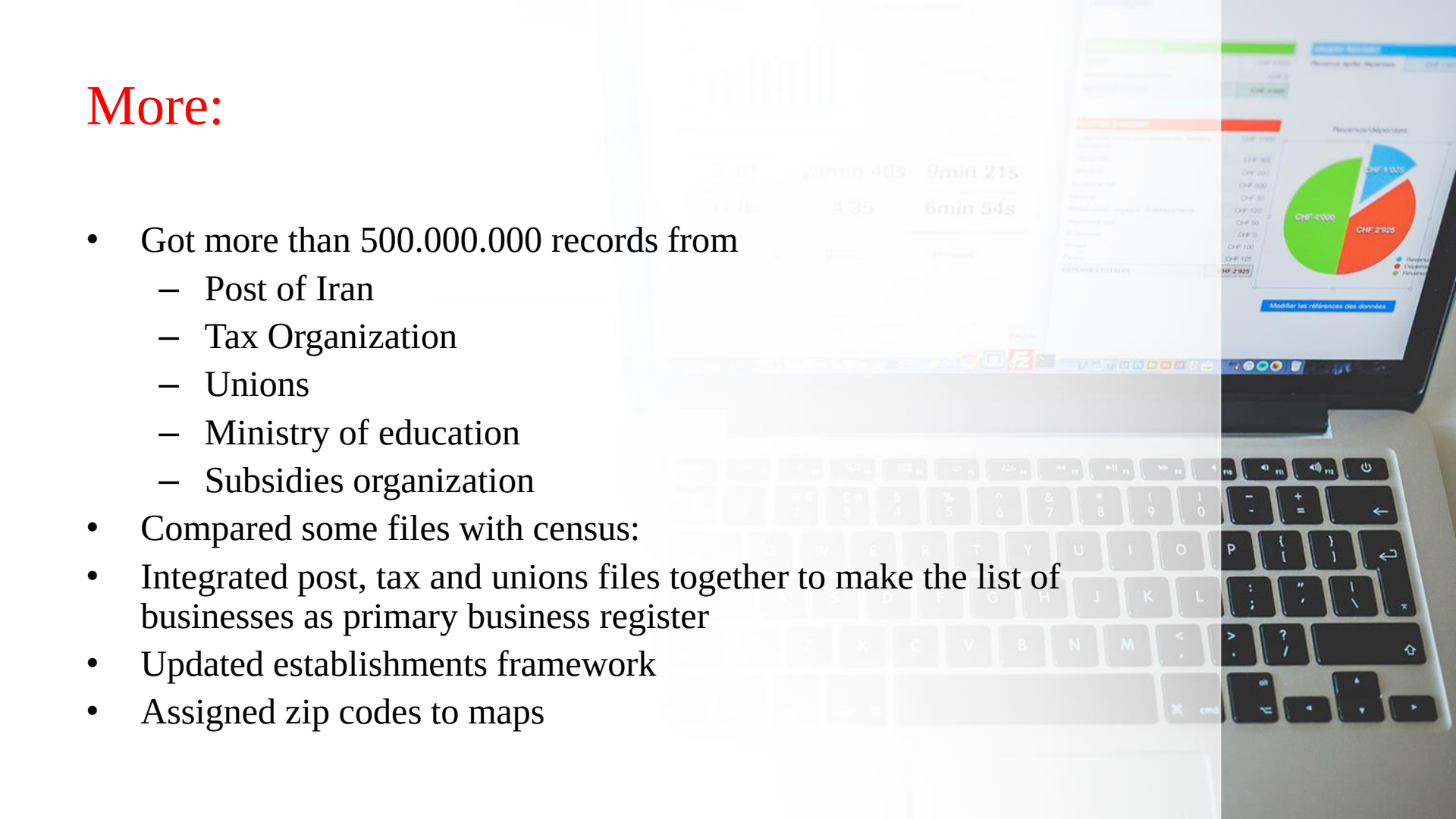
11- National Insurance: Ministry of Cooperatives, Labors and Social Welfare

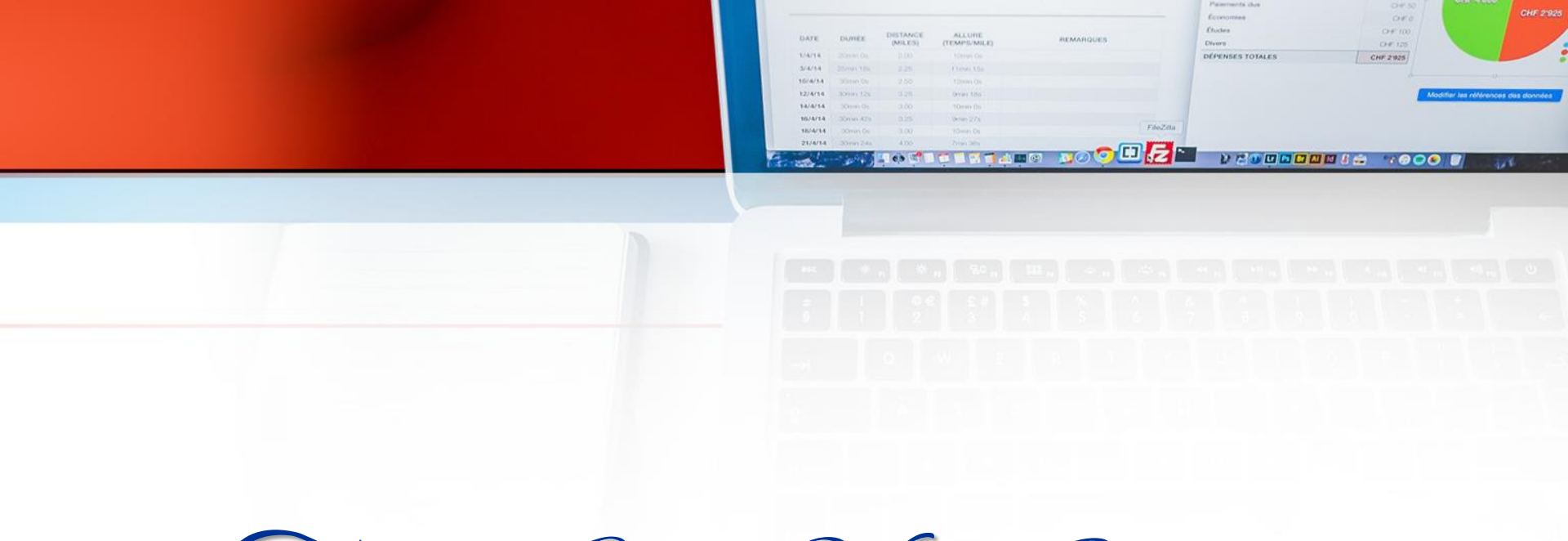
12- Spatial Data Infrastructure: Management and Planning Organization

13- Targeted Subsidies: Subsidies Organization

More:

- Got more than 500.000.000 records from
  - Post of Iran
  - Tax Organization
  - Unions
  - Ministry of education
  - Subsidies organization
- Compared some files with census:
- Integrated post, tax and unions files together to make the list of businesses as primary business register
- Updated establishments framework
- Assigned zip codes to maps





Thank You Very Much