

# UNIFIED ELECTRONIC REPORTING SYSTEM IN ARMSTAT (STATISTICAL COMMITTEE OF THE REPUBLIC OF ARMENIA)

II International Statistical Forum of the CIS:  
new technologies and data sources in statistics

October 2-4, 2024 Tashkent

# Approaches to system design



Built on web-based technologies



If possible, open source solutions



Modular architecture



Centralized data storage

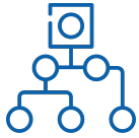


Role-based access to data and permissions



Future-oriented technologies and architecture

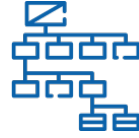
# Component modules of the system



Organizational structure and users



The respondents' StatRegister



Data standards management



Managing reports



Personal accounts of users



Centralized data storage



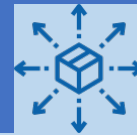
Business process management



Data and API integration



Monitoring



Data dissemination

# Personal accounts of users



## Respondent

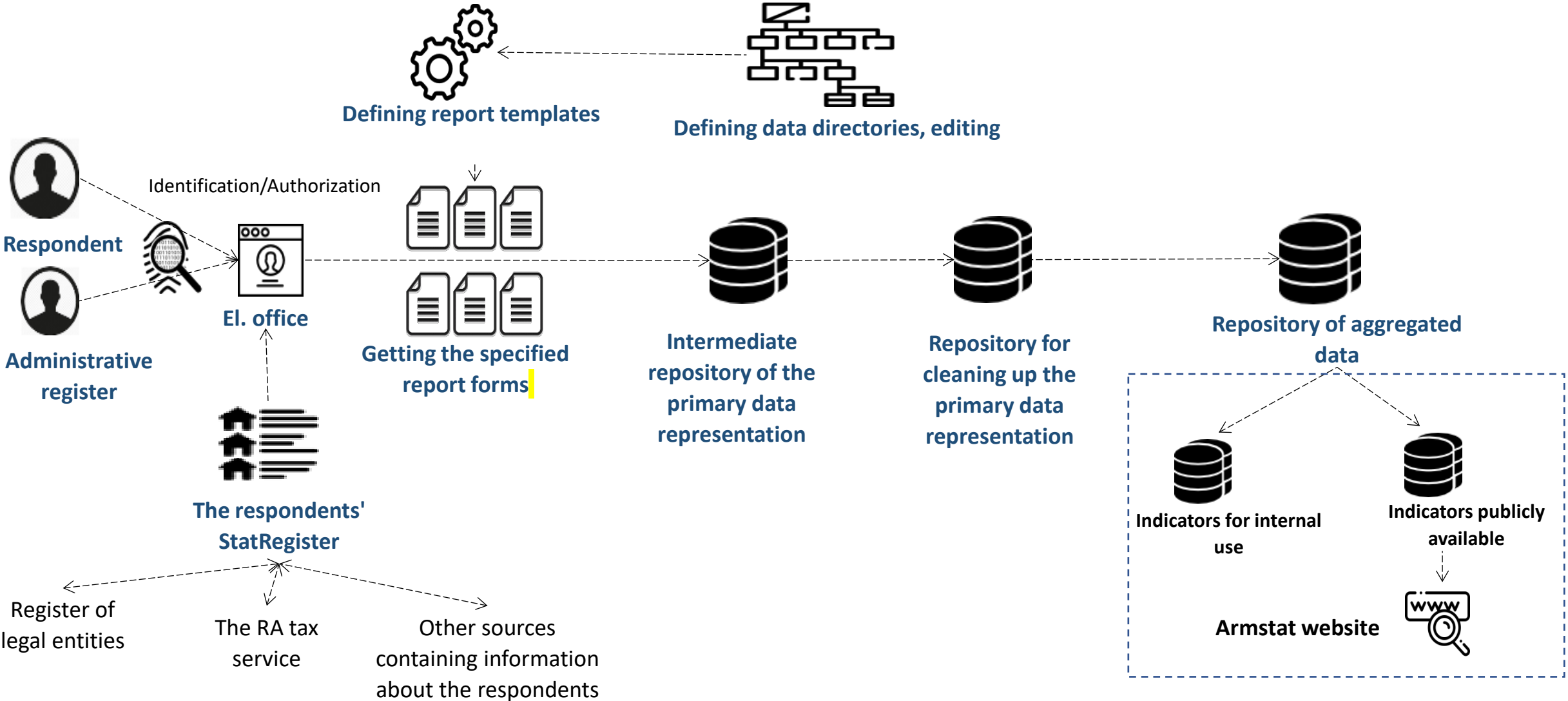
- Respondent authorization
- Adding an authorized person
- Managing the respondent's profile
- Filling in and editing relevant reports
- Report log (history)
- Notification system
- Viewing administrative fines and payment
- Frequently asked questions
- Chat

## Armstat

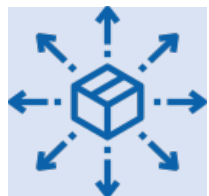


- Participation in business processes from privileges
- Viewing the respondents' StatRegister
- Management of standards used in reporting
- Data management and integrity verification (accuracy, completeness and reliability of data)
- View summary data for different sections
- Managing violations of deadlines and integrity
- Adding an authorized person
- Chat

# System architecture



# System improvement



Data dissemination



- The ability to define reports with different data structures in a specially designed data repository.
- Integrating data into a website
- Exporting data in various formats, including SDMX



Data and API integration



Providing and receiving data via the API



Administrative registers



New Interface for administrative registers



Monitoring



- Set of tools that will allow you to get information about hardware and software performance problems.
- Set of tools that will allow you to view data on different sections.



**THANK YOU FOR YOUR ATTENTION!**

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