STATISTICAL COMMISSION and
ECONOMIC COMMISSION FOR EUROPE

Working Paper No. 6
English only

CONFERENCE OF EUROPEAN STATISTICIANS

UN/ECE Work Session on Statistical Metadata
(Washington, D.C., United States, 28-30 November 2000)

Topic (i): Statistical metadata for dissemination

THE INFORMATION DISSEMINATION DATABASE OF THE STATE STATISTICAL COMMITTEE OF AZERBAIJAN

Submitted by the State Statistical Committee of Azerbaijan[1]

Contributed paper

I. INTRODUCTION

1. The technical modernization of the Goscomstat system has been carried out with the assistance of international organizations during recent years. Information technologies increasingly reflect international standards. At present, the computer equipment of the Goscomstat consists of more than 400 units. Four local computer networks function within the system. Intensive work is being carried out on the establishment of a corporate distributed computer system at Goscomstat. In the near future the main server of the corporate system of Goscomstat will be put into use linking all the computers in the head office.

2. At the same time, work is underway on the design and set-up of a data base at Goscomstat. Certain preparatory activities were implemented after studying the experiences of the more developed countries. Two visits to Sweden were organized for our specialists to study Sweden's experience in the field of design and set-up of a data base.

3. The data base for dissemination of the Goscomstat of Azerbaijan will be located on the servers of the Goscomstat network. Metadata for data bases and more than 20 data bases on different areas of statistics are being developed. Each data base table will be accompanied by the corresponding meta information. Each data base may contain from one to one hundred variables.

4. The methodology for the set-up and implementation of meta base and data base have not been finally developed. The methodology used by Swedish experts was taken as a base. After completion of some work on the set-up of the data base, methodology will be finalised, taking into account specific features of our system and available technology.

II. THE MAIN DISSEMINATION DATABASE

5. The main base consists of metadata on databases by branches of statistics.

<u>Example structure of the main database</u>

Name of Database (*max. 20 characters*): short name of a database (an abbreviation can be used). The name should be representative and must be written in roman alphabet.

---

[1] Prepared by Mehman Ibrahimov and Veli Allahverdiyev.

Description of database (*max. 80 characters*): this is shown on request, and should be in English and the national languages. The choice of language is made by the user.
Complete description of database (*max. 160 characters*): this is shown on request, and should be in English and the national languages. The choice of language is made by the user.
Server (*max. 8 characters*): the name of the server, where the database is located.
Path (*max. 250 characters*): this is the path to the database.
Database (*max. 20 characters*): this is the name of the SQL database.
Type (*1 character*): this describes the type of the given variable and might take the following values: M-metadata, B-Database, T-Table, R-register, V-variable.
Administrator (*max. 30 characters*): indicates the name and occupation of an administrator.
Date (*max. 20 characters*): indicates the date of creation or last modification of the base.
Version (*max. 8 characters*): number of version.

6. The base will include the description of:

a) the register of enterprises;
b) the following classifications:
   - administrative – territorial units;
   - kind of activities;
   - types of ownership;
   - goods and services;
   - units of measurement;
c) databases on the following statistical areas:
   - national accounts;
   - financial and bank statistics;
   - industry statistics;
   - consumption;
   - agriculture;
   - trade;
   - demography;
   - welfare;
   - labour statistics;
   - price statistics;
   - transport and communication statistics;
   - education;
   - environment;
   - population census, etc..

7. The design and change of structure of the main base, its completion and implementation will be undertaken by the main network administrator.

<u>Example</u>:
Database: AzeriStat
Description of database: Main metadata base.
Complete description of database: Main metadata base where description of all branch databases is given.
Server: AzSTAT
Path: \\Azstat\Stat1\…\AzeriStat
Database: AzeriStat
Type: M
Administrator: Mehman Ibrahim, IT administrator
Date: 01.07.2000
Version: V1.0

III. SUBJECT-MATTER DATABASES AND TABLES OF GOSKOMSTAT OF AZERBAIJAN ON INFORMATION DISSEMINATION

8. The branch base consists of metadata on the data base or tables on given branches of statistics.

Example structure of a branch database:

Name of Database (*max. 20 characters*): short name of a database (an abbreviation can be used). The name should be representative and must be written in roman alphabet.
Description of database (*max. 80 characters*): this is shown on request, and should be in English and the national languages. The choice of language is made by the user.
Complete description of database (*max. 160 characters*): this is shown on request, and should be in English and the national languages. The choice of language is made by the user.
Server (*max. 8 characters*): the name of the server, where the database is located.
Path (*max. 250 characters*): this is the path to the database.
Database (*max. 20 characters*): this is the name of the SQL database.
Type (*1 character*): this describes the type of the given variable and might take the following values: M-metadata, B-Database, T-Table, R-register, V-variable.
Timescale *(max. 20 symbols)*: period of updating the information in base.
SpecialProcBefore *(max. 8 symbols)*: if necessary, the name of the special procedure is given.
SpecialProcAfter *(max. 8 symbols)*: if necessary, the name of the special procedure is given.
SpecialProcUpdate *(max. 8 symbols)*: if necessary, the name of the special procedure is given.
Administrator (*max. 30 characters*): name and occupation of administrator
Date (*max. 20 characters*): date of creation or last modification.
Version (*max. 8 characters*): number of version.

9. Example structure of tables

LinkedDatabase *(max. 20 characters)*: the shortened name of the head (connecting) database (abbreviations can be used). Must be written in roman alphabet.
Table (*max. 20 characters*): The shortened name of the table (abbreviations can be used). The name should be representative and must be written in the roman alphabet.
Description of table (*max. 80 characters*): this is shown on viewing, and should be in English and national languages. The choice of language is made by the user.
Complete description of table (*max. 160 characters*): this is shown on viewing, and should be in English and national languages. The choice of language is made by the user.
Category (1 *character*): this describes the access type to table: public or special.
Server (*max. 8 characters*): the name of the server, where the table is located
Path (*max. 250 characters*): path to the table.
Table (*max. 20 characters*): name of the SQL table.
Type (*1 character*): describes the type of the given variable and might take the following values: M-metadata, B-Database,T-Table, R-register, V-variable.
Variable *(20 symbols)*: name of row in a table.
Valueset *(30 symbols)*: name of dataset in table.
Timescale *(max. 20 symbols)*: period of updating the information in table.
SpecialProcBefore *(max. 8 symbols)*: if necessary, the name of the special procedure is given.
SpecialProcAfter *(max. 8 symbols)*: if necessary, the name of the special procedure is given.
SpecialProcUpdate *(max. 8 symbols)*: if necessary, the name of the special procedure is given.
Administrator (*max. 30 characters*): name and occupation of administrator
Date (*max. 20 characters*): date of creation or last modification.
Version (*max. 8 characters*): number of version.

10. The design and change of the structure of the branch base and tables is carried out by the data base administrator upon agreement with the main network administrator. The structure shown here is

primary. We are just beginning practical work on the establishment of an information database for dissemination. The structures noted above may be subject to certain changes on completion of this work. Real structure and metadata will be presented in a corresponding database.