



# **Past and future steps towards harmonisation of Ukrainian energy statistics with European and international standards**

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**Anatoliy Fryzorenko  
State Statistics Service of Ukraine**



## Steps Taken

- **In 1998 an adapted version of Form №4-CH (on use of energy materials and oil products) in line with the requirements of international statistics was introduced: sectors of transformation, end use, non-energy related use, distribution and transmission losses, detailed consumption by areas**
- **In 2000 monthly reporting on consumption and reserves of main types of fuel (coal, oil, petrol, diesel and natural gas) was introduced**
- **In 2001 there was a transformation from industries of national economy (OKONH) to types of economic activities**



## Steps Taken (cont.)

- **In 2005 five questionnaires of the IEA started to be filled in**
- **In 2006 new monthly state statistics reporting on sales on oil products at filling stations**
- **In 2011 were developed:**
  - **Methodological provisions of organising statistical monitoring over the use of fuel and energy;**
  - **Methodological provisions of energy balance compilation**
- **In 2011 the energy balance for 2010 was produced**



## Steps Taken (cont.)

- **Reporting load on the enterprise was reduced:**
  - **in 2009 the periodic reporting on a balance and the use of energy materials and oil products turned from quarterly to biannual;**
  - **in 2012 this reporting became annual**



# **NATIONAL ENERGY STATISTICS LEGAL FRAMEWORK**

## **Law of Ukraine “On State Statistics”**

- **state statistics authorities decide independently on statistics data sources paying attention to the proper quality and timely submission of information;**
- **state statistics observations are made according to the State Statistics Observation Plan approved by the Cabinet of Ministers’ Decree;**
- **respondents have to provide data free of charge, in full, according to the approved statistics form, and within the term specified;**

## **Ordinance of the Cabinet of Ministers № 926-p dated 06.09.1999**

- **the government commissioned to introduce monthly statistics reporting on consumption and reserves of coal, oil, oil products, and natural gas**

# NATIONAL ENERGY STATISTICS LEGAL FRAMEWORK (CONT.)

**Ordinance of the Cabinet of Ministers № 1058-p dated 28.11.2007:**

- approved the Energy Balance Compilation Concept;
- assigned the functions of compilation of the energy balance to the state statistics authorities;

**Ordinance of the Cabinet of Ministers №1376-p dated 30.10.2008**

- approved the action plan and timeline of organisation of works to compile the energy balance;

**Ordinance of the Cabinet of Ministers №203-p dated 11.03.2011**

- the deadline for preparation of methodological provisions on the energy balance development was established (by the end of 2011).



# **COMPLIANCE WITH THE INTERNATIONAL RULES AND EUROPEAN STANDARDS**

**- Regulation No 1099/2008 of the European Parliament and  
the Council**

**of 22 October 2008:**

- ✓ **monthly reporting on production and consumption of key types of fuel (oil and oil products, natural gas, coal);**
- ✓ **annual reporting on production on production and consumption of key types of fuel (oil and oil products, natural gas, coal)**
- ✓ **compilation of annual energy balances**

**- Energy Statistics Manual, ©OECD/IEA 2007**

- ✓ **structure of the energy balance;**
- ✓ **Use of set K calorific values;**
- ✓ **development of the energy balance in TJ and thousands of tonnes of oil equivalent**

## STATISTICS DATA SOURCES:

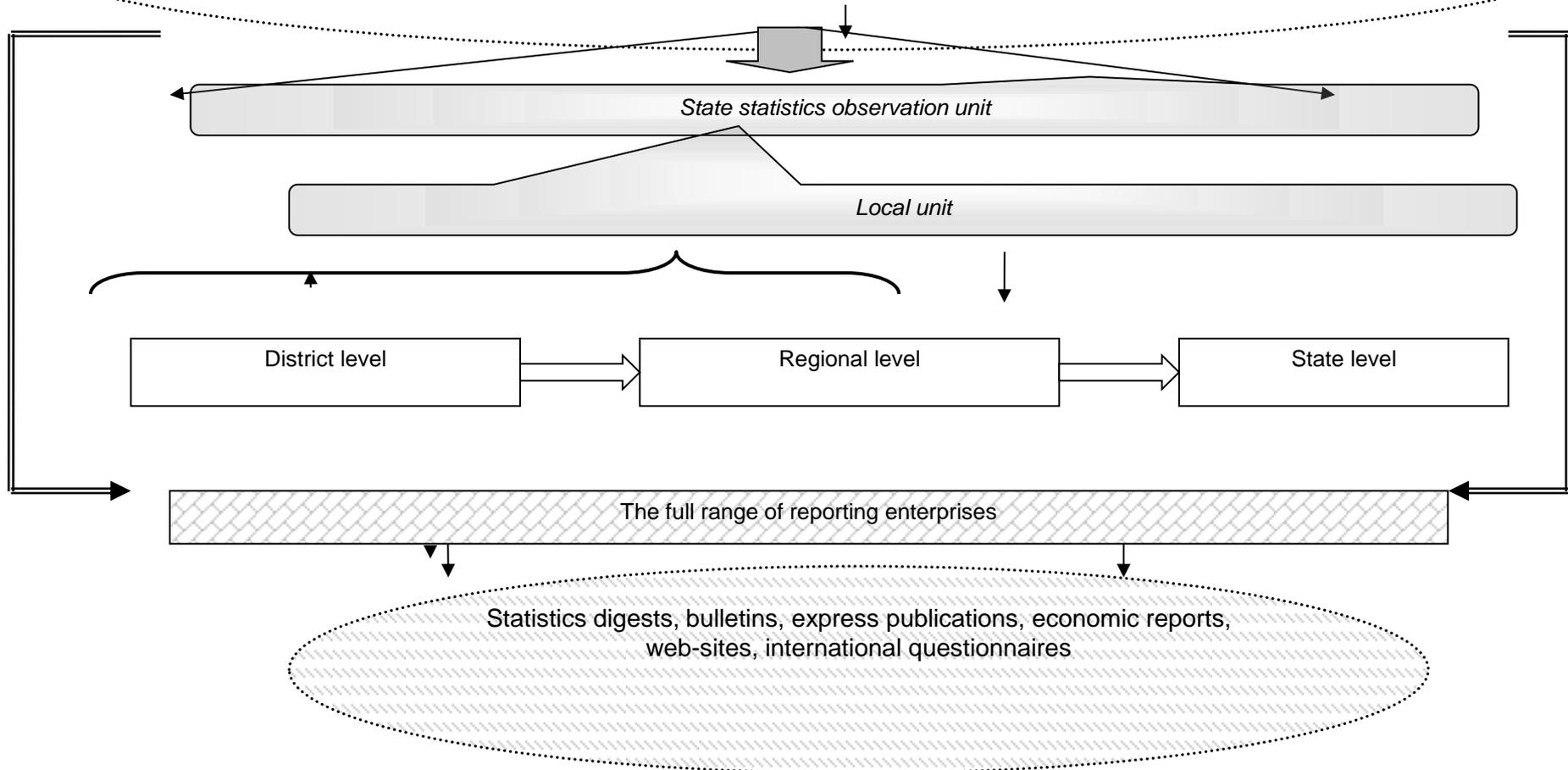
- 1. Monthly state statistics reports on industrial production;**
- 2. Monthly state statistics reports on a balance and use of energy materials and oil products;**
- 3. Monthly state statistical reporting on sales of oil products at filling stations;**
- 4. Annual information on the volume of use of coal and wood from monitoring households;**
- 5. Annual state statistics reports on industrial production;**
- 6. Annual state statistics reports on a balance and use of energy materials and oil products;**
- 7. Annual state statistics reports on results of the use of fuel, electricity and thermal energy.**

## **ADMINISTRATIVE DATA SOURCES :**

- 1. Monthly information by the State Customs on international trade (based on cargo customs declarations)**
- 2. Monthly information by the State JSC “Neftegas of Ukraine” on import/export of natural gas**
- 3. Ministry of Energy and Coal Industry of Ukraine: information on production of coal, crude oil and electricity by enterprises**
- 4. State JSC “Neftegas of Ukraine”: information on natural gas production, import, export, reserves in underground gas storages and transit volume**
- 5. National Electricity Regulatory Commission of Ukraine (NERC): information on heat generation by licensed enterprises, electricity and natural gas prices**
- 6. “Ukrtransnafta”: information on oil import transmission via pipelines, and transit volume.**

# PROCEDURE OF SUBMISSION AND DEVELOPMENT OF STATE ENERGY STATISTICS OBSERVATIONS

All economic entities and independent subdivisions of legal entities using fuel and energy for production, operation, and utility and domestic needs, as well as companies with fuel reserves.



# Existing challenges

- **Necessity to turn from monthly reporting on fuel and energy consumption to sampling method of monitoring**
- **Need to solve the question of development and introduction of state standards for coal (responsibility of the Ministry of Energy and coal) which are harmonised with the relevant international standards**
- **Lack of sources of data on fuel and energy consumption by farmers and enterprises with insignificant consumption, residential, public and commercial buildings**



# Existing challenges (cont.)

- **Need of assistance and practical recommendations from Eurostat and National Statistics Agencies compiling energy balance in:**
  - **Removal of statistical discrepancy;**
  - **Use of administrative data;**
  - **Getting data about small consumers (farmers, households, small enterprises);**
  - **Analysis of separate indicators calculated based on the data of the energy balance**

# Further steps in improving energy statistics

- **Seminars with consumers and mass media**
- **Reduction in reporting load on responders through a wide application of sampling monitoring**
- **Compilation of Commodity and Energy Balance making most of the administrative data**
- **Retrospective review of a dynamic fuel consumption from 1990 through 2008**

# Further steps in improving energy statistics (cont.)

- **Currently the 2011 questionnaires are being filled in, mutually balanced, statistical discrepancies between the Resources and Distribution parts of Commodity balances, and their subsequent consolidation into the energy balance**
- **Draft questionnaires filled in are expected to be sent to the IEA this November**
- **Official publication of the Balance in December 2012**
- **Adaption of Directive EC 2008/92/EC of October 22, 2008 concerning the transparency of gas and electricity prices charged to industrial end-users**



**Thank you!**

