

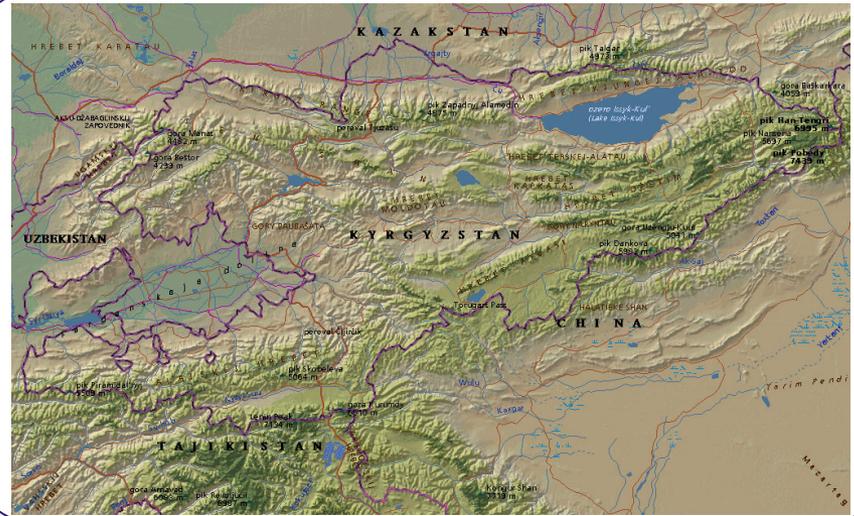
*Ninth International Forum on Energy for
Sustainable Development
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Energy resources of the Kyrgyz Republic

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Kyrgyz Republic

- ❖ The Kyrgyz Republic is a typical mountainous country; about 43% of its territory is located at altitudes of more than 3000 m above sea level and only about 15% at altitudes below 1500 m



Kyrgyz Republic

Geographical location and geological situation of the Kyrgyz Republic determined the availability of various types of energy resources

Energy resources

Mineral
resources

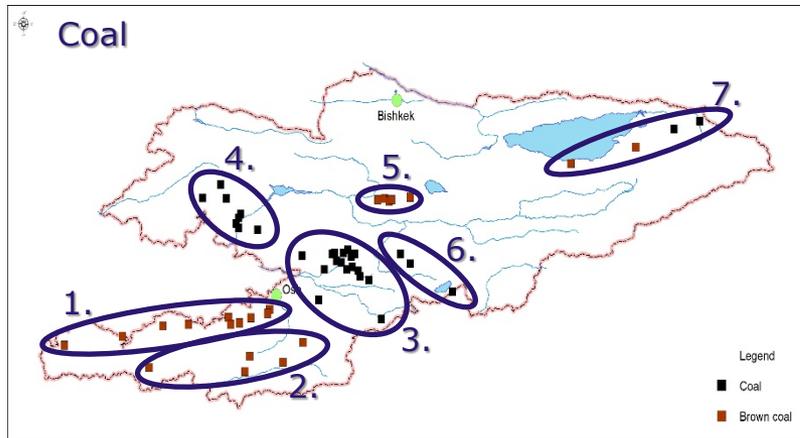
- ❖ **Coal**
- ❖ **Oil**
- ❖ **Gas**
- ❖ **Uranium**

**Energy
resources**

Renewable
Energy

- ❖ **Hydropower**
- ❖ **Solar power**
- ❖ **Wind energy**
- ❖ **Geothermal
resources**
- ❖ **Biodegradable
waste**

Mineral resources



1. South Fergana brown coal basin
2. Alay coal-bearing area
3. Ozgon basin
4. North Fergana Coal basin
5. Kavak basin
6. Alabuka-Chatyrkelsky coal-bearing area
7. South Ysyk-Kul coal-bearing area

Most of the resources are confined to the Jurassic sediments.

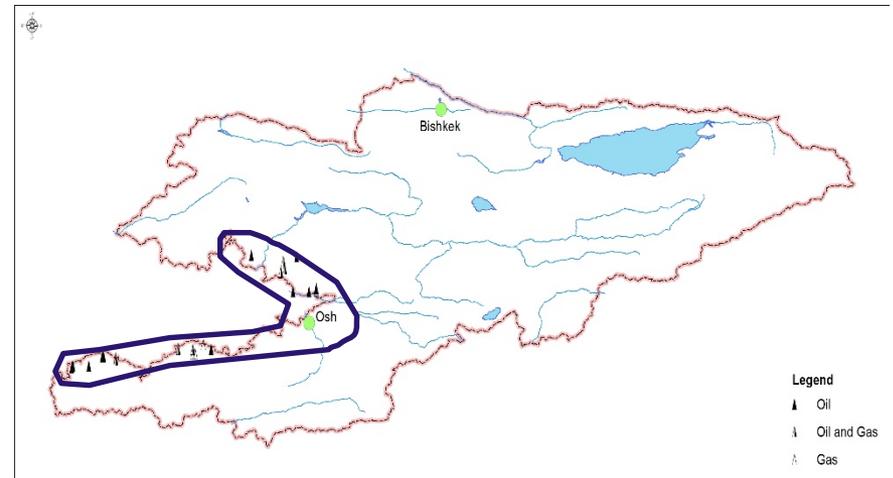
Coal reserves of the Kyrgyz Republic on 01/01/2018 amount to 1.4 million tons (categories A + B + C1 1.1 million tons; C2-0.3 million tons). Stand black, brown and coking coal.



Oil, Gas

Distribution - Framing the Fergana Valley.
In total, 14 fields have been discovered, including 7 oil, 4 oil and gas, 2 gas and 1 oil and gas condensate.

The geological reserves of oil as of 01.01.2018 amount to 0.11 mln. tons (in categories A + B + C1 - 0.1 mln. tons; in category C2 - 0.01 mln. tons)



Renewable Energy

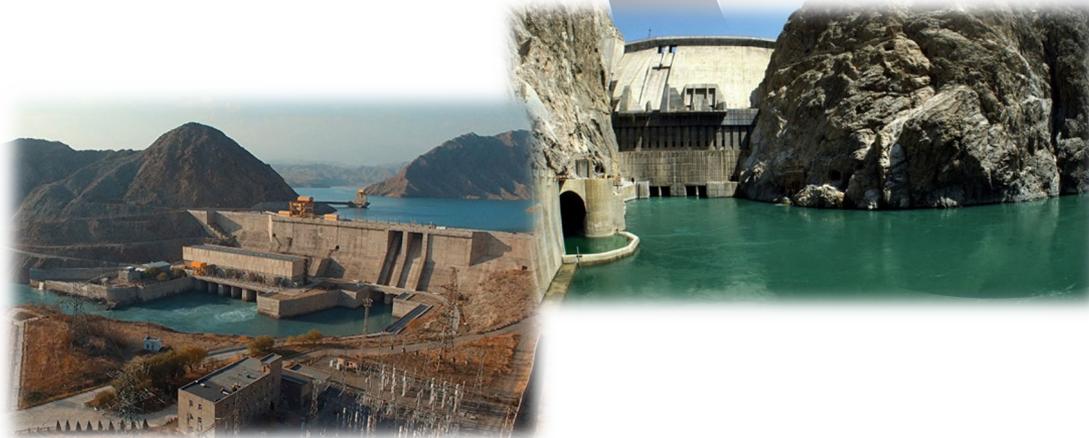
Currently, less than 10% of the potential of hydropower resources is used (11,134 mln kW / h against 143 billion kW / h).

8 large (10957 million kW / h) and 13 small hydropower plants (177 million kW / h) are engaged in power generation.

There is a potential in the construction of 8 cascades out of 34 stations on the Naryn River, and the use of the potential of 268 small rivers, 97 large canals.

Hydropower

Renewable Energy



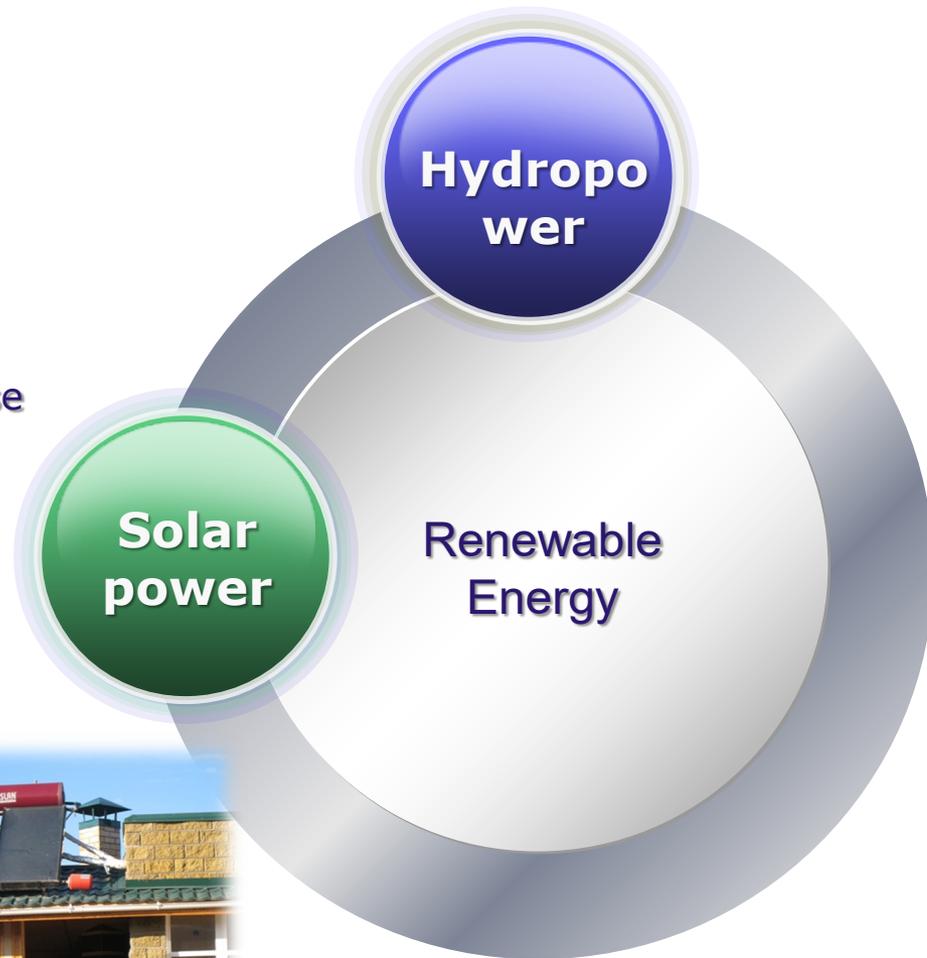
Renewable Energy

Potential 4.64 billion MW / h of radiant energy, or 23.4 kWh / m²;

The average annual sunshine duration is 2100-2900 hours;

Production capacity 490 million kW / h.

In addition to electricity, it is possible to use for solar collectors, to get hot water, heating



Renewable Energy

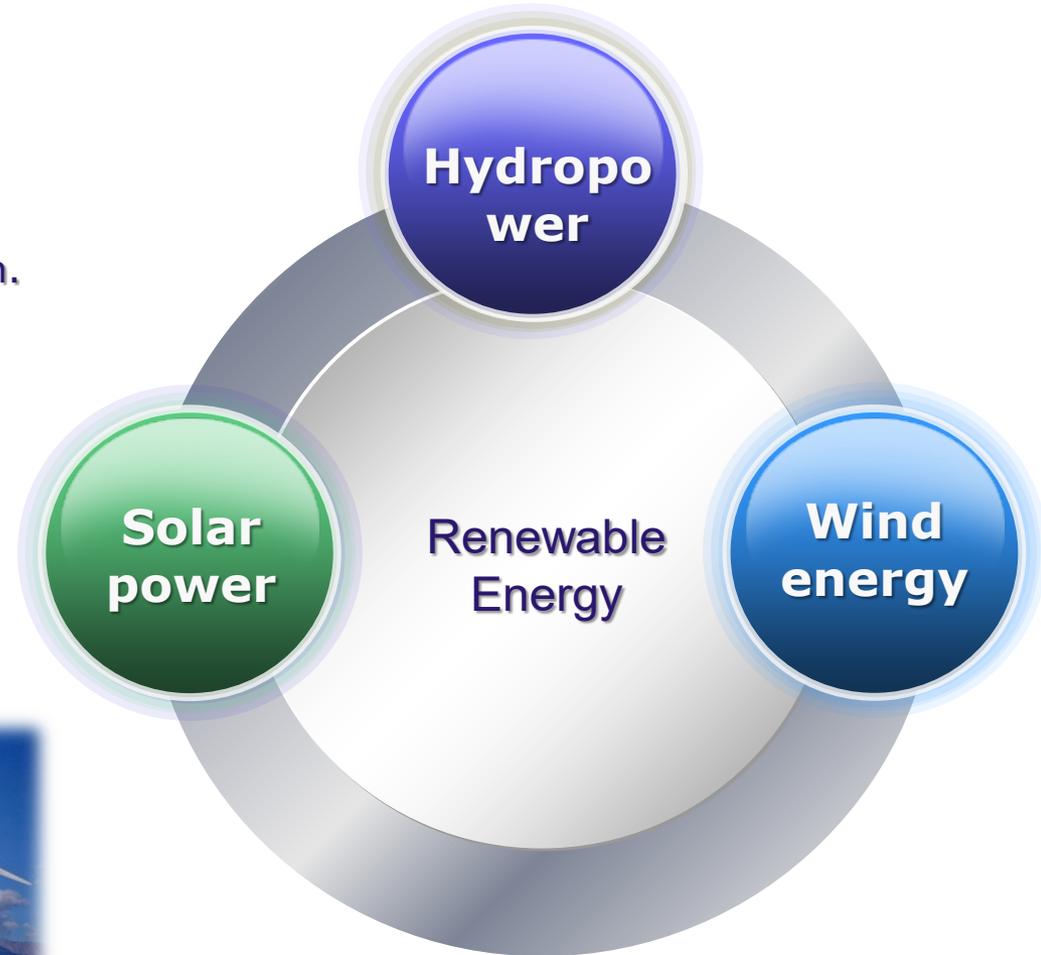
The potential of wind energy with wind speed from 4 to 5 m / s;

Annual potential of 2 billion MW / h;

Production potential of 44.6 million kW / h.



Plan

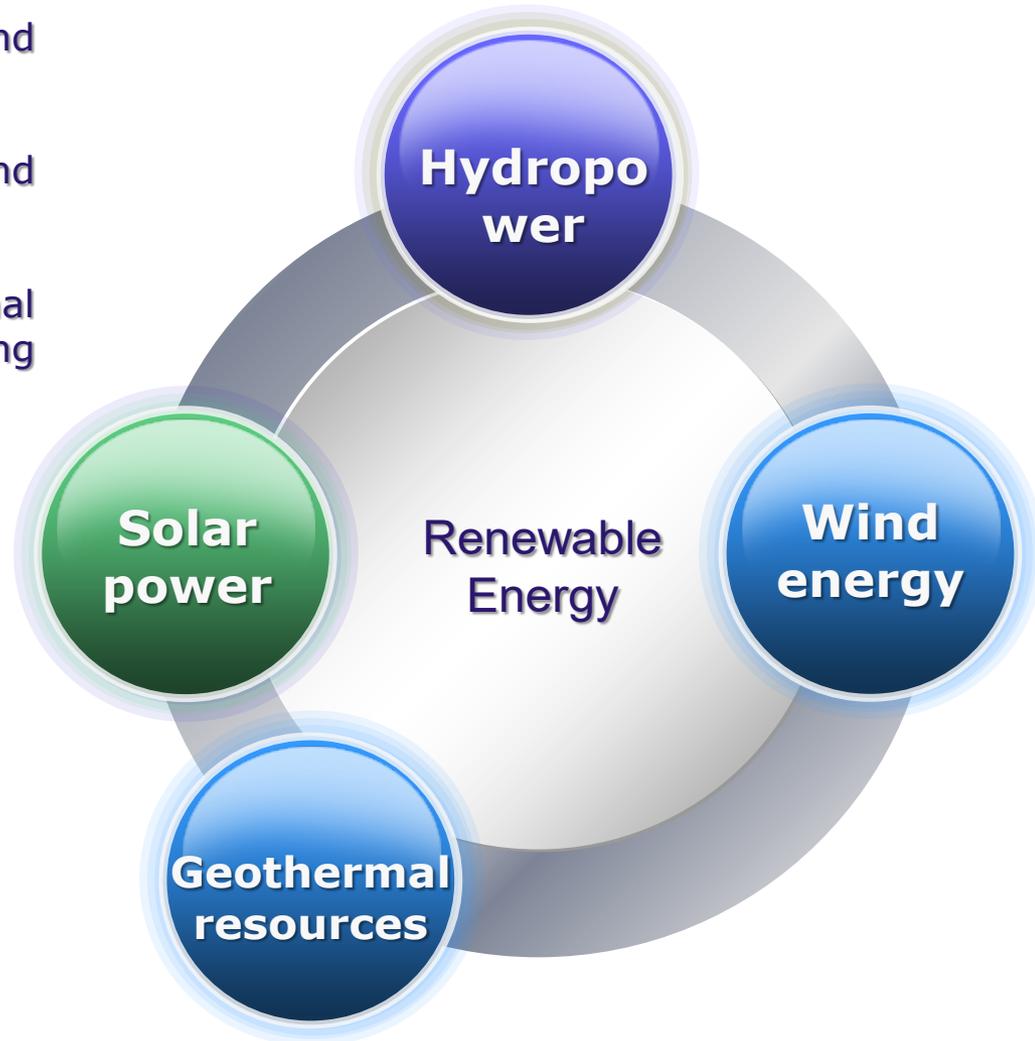


Renewable Energy

Geothermal energy resources 613 thousand GJ per year;

The development potential of 170 thousand GJ per year;

A promising direction is the use of thermal mass of earth for heating / air conditioning using modern heat pumps.



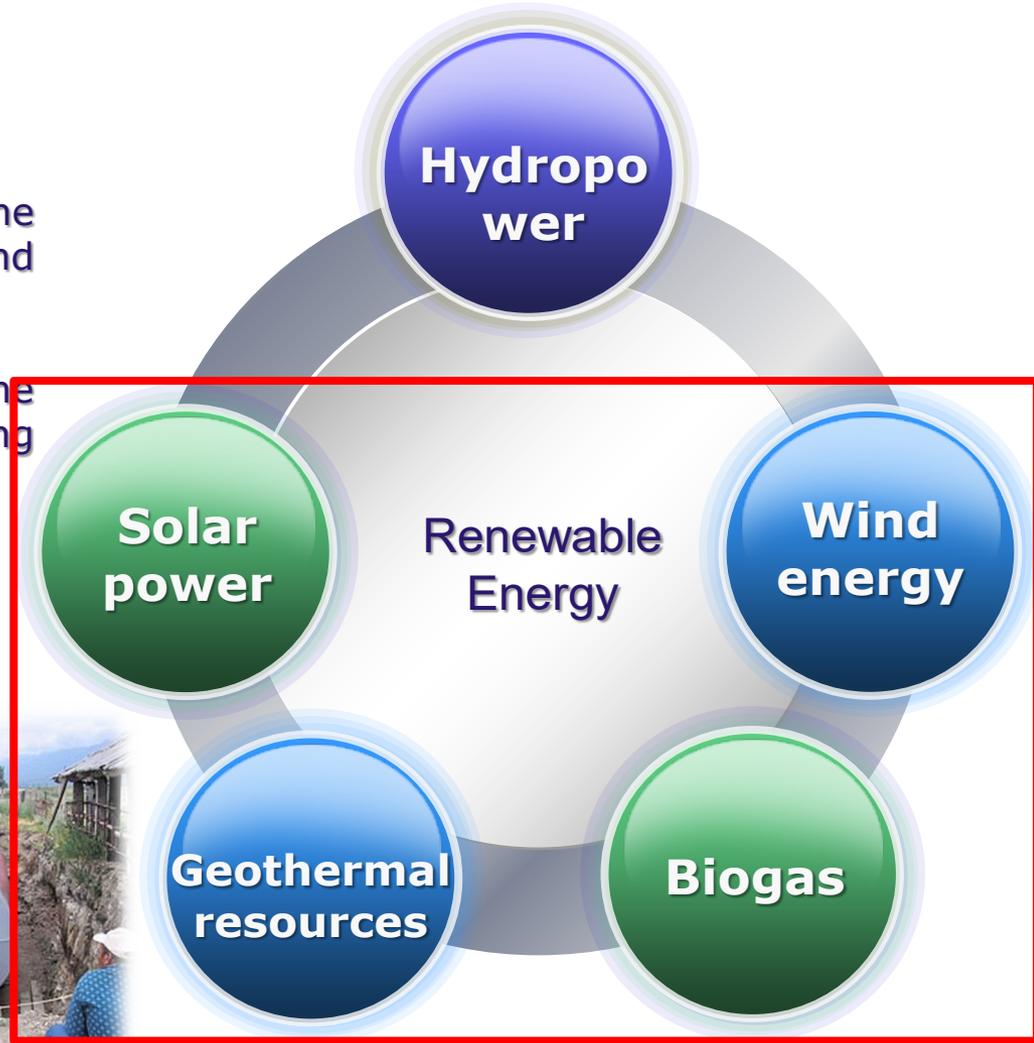
Renewable Energy

270 million m³ of biogas;

Production potential of 1.3 billion kW / h;

Providing 35,000 rural families (5% of the rural population) with biogas for heating and cooking;

Providing 150 rural families (20% of the rural population) with biogas for cooking only.



Less than 1% of potential used

Accounting for mineral resources

At any stage of exploration subsoil user can apply for staging or clarification of stocks in SKR (GKZ)

SKR makes its decision on approbation submitted stocks

Subsoil user, when maintained mining operations gives the form 5-GR (SCIES) and statistical data (Stat. Committee)

Resource accounting is based on the implementation of Laws of the Kyrgyz Republic, Resolutions and Orders of the Government of the Kyrgyz Republic, and other regulatory legal acts of the Kyrgyz Republic.

INFORMATION ON RESOURCES AND STOCKS

Problems and prospects of reporting forms

1

“Problem”, rather inconvenience, in preparation by companies with foreign capital, 2 types of reporting

1. According to the legislation of the Kyrgyz Republic
2. In accordance with the requirements of the financial institutions of the countries of investors

2

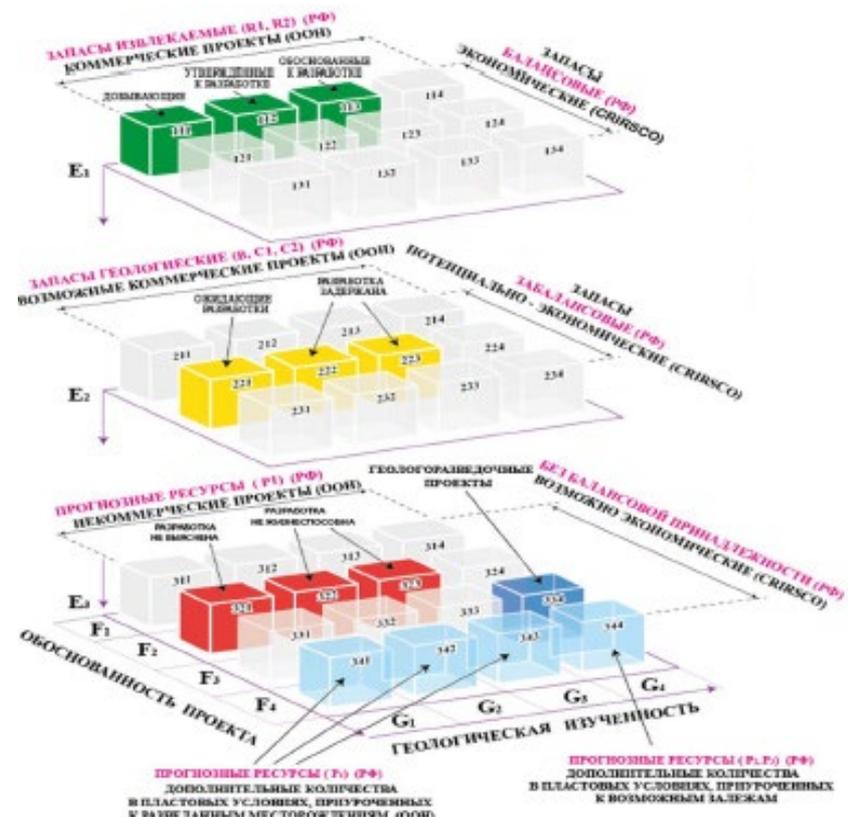
Kyrgyzstan has signed a Memorandum of Understanding (31/10/2017) with CRIRSCO to address Point 1.

3

A Implementation Plan for the realization of the CRIRSCO Reporting Code has been prepared.

Problems and prospects of reporting forms

In 2017, an agreement was reached with Russian colleagues on their assistance in implementing assessing oil and gas deposits. Base on the UNFC .



Access to the information

Object evaluation

Information

For subsoil users

Built Stat.
Committee

Public
Literature

Geol.
reports

Requests
to SCIES

Thank You !

