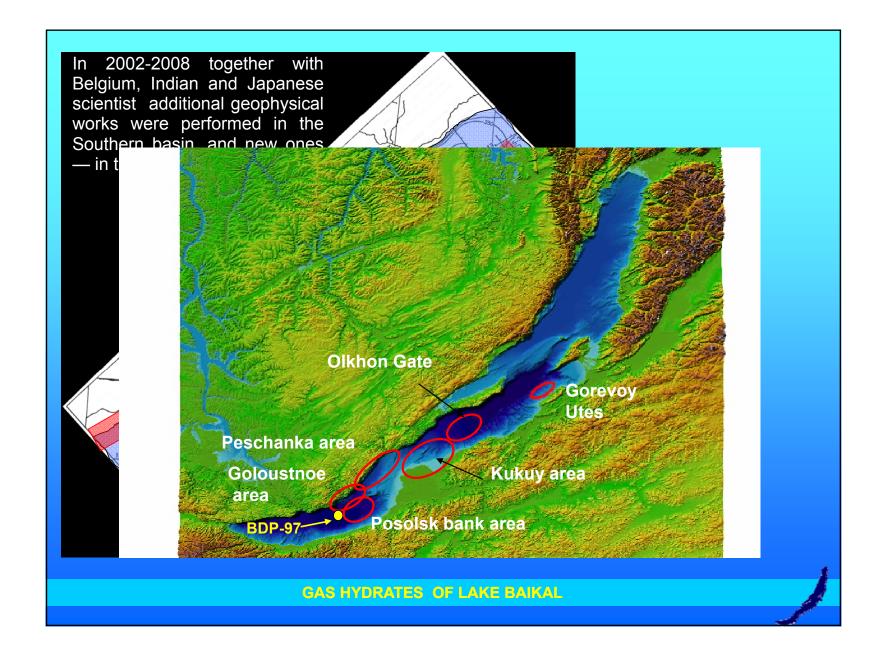
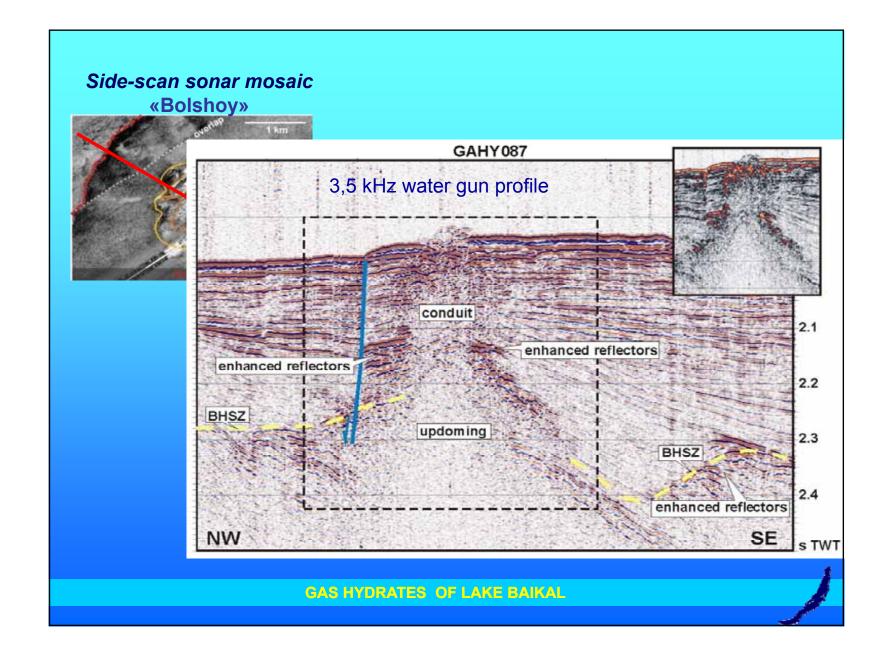


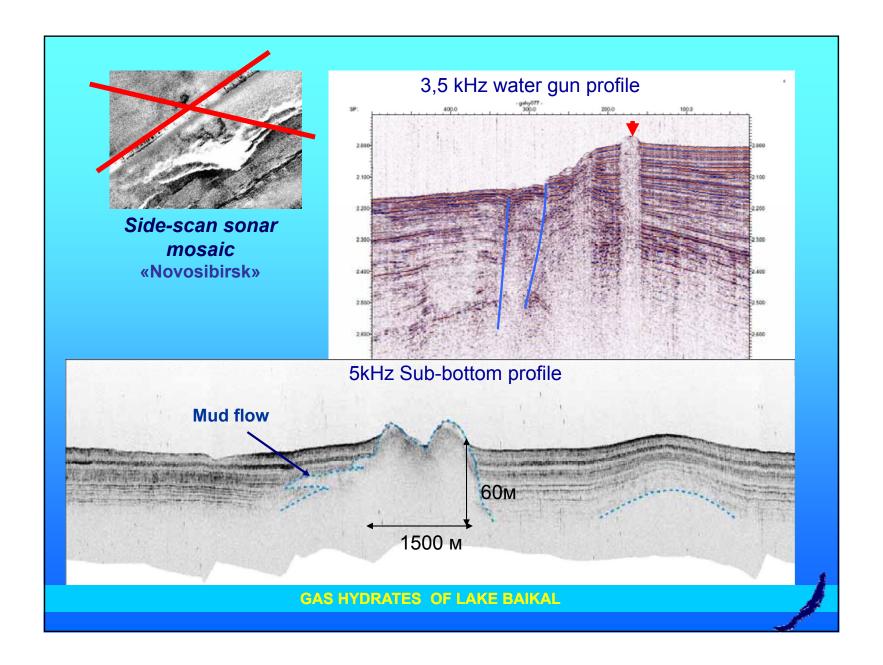
This gas hydrate was found out for the first time in the nearbottom sediments of Lake Baikal.

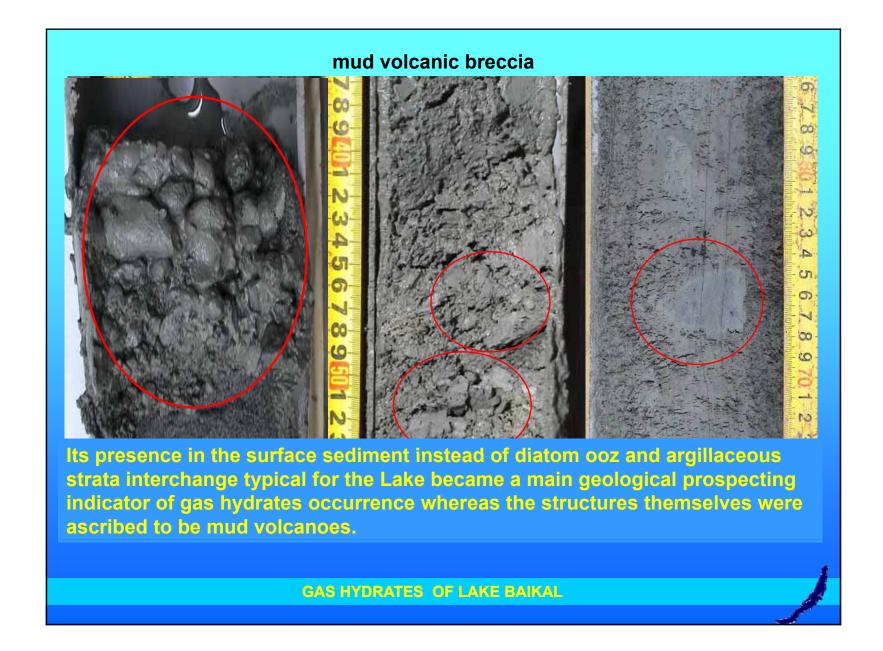
Laboratory studies shows that hydrates from Malenkiy are composed by methane and has the structure I

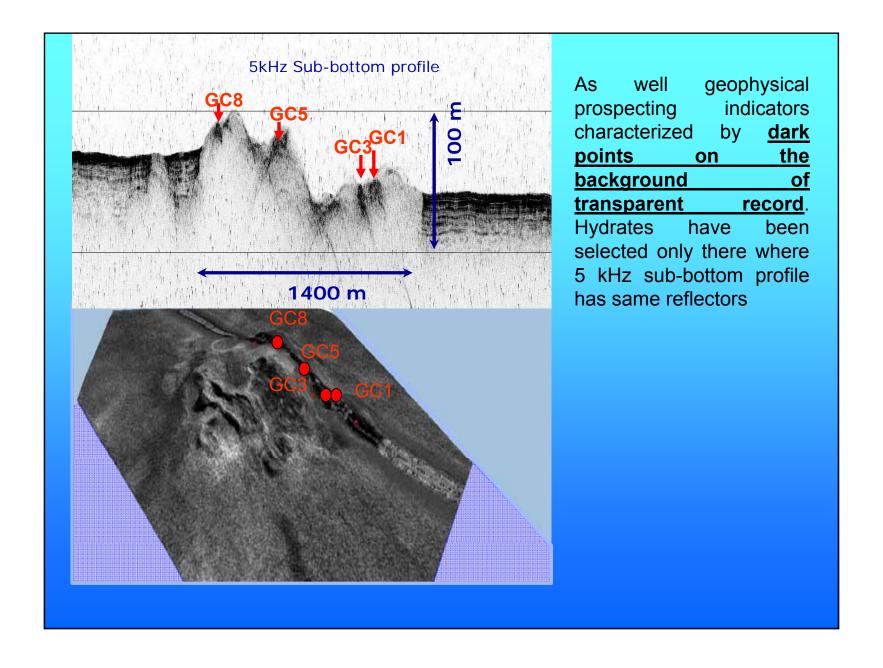
**GAS HYDRATES OF LAKE BAIKAL** 

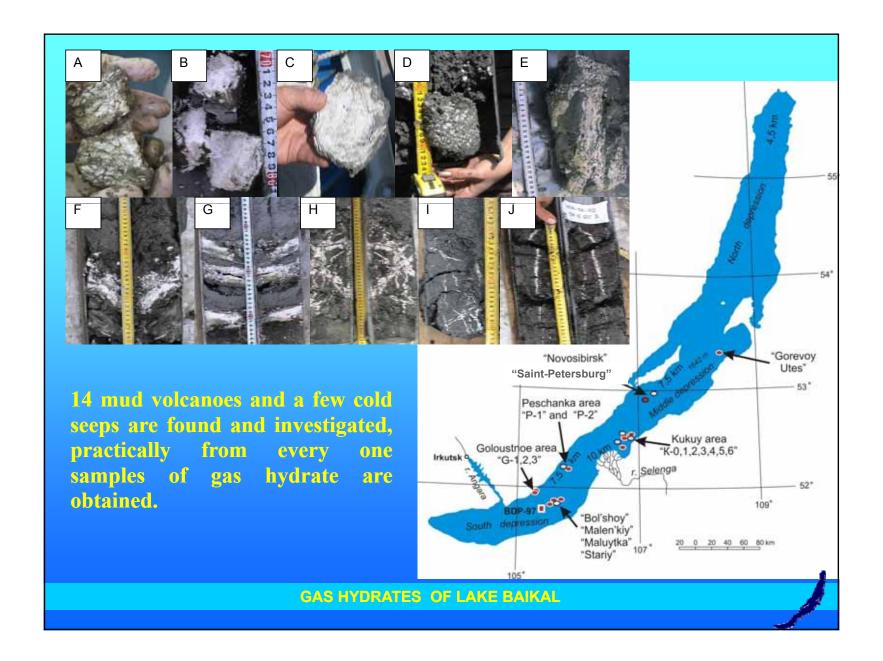


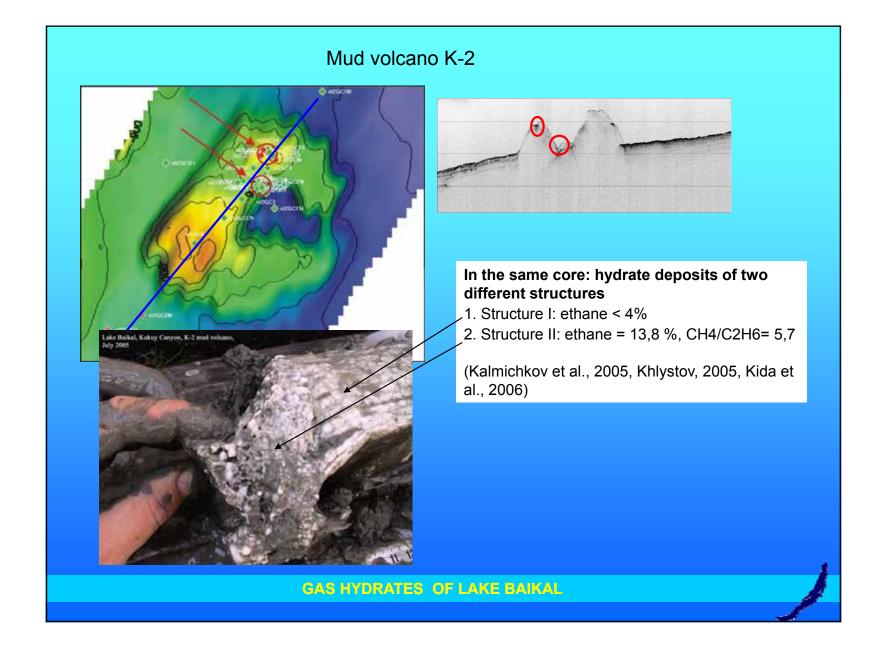


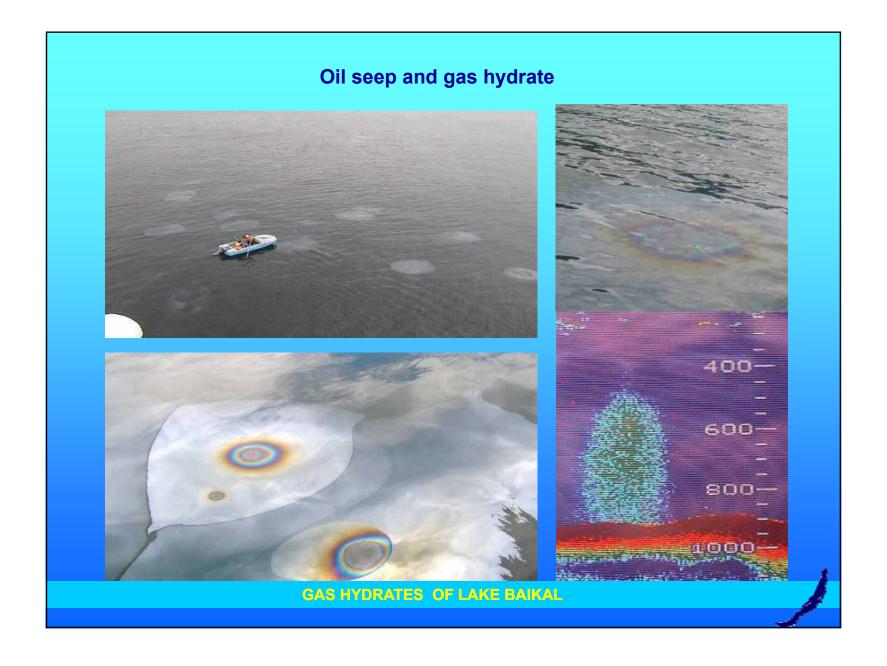


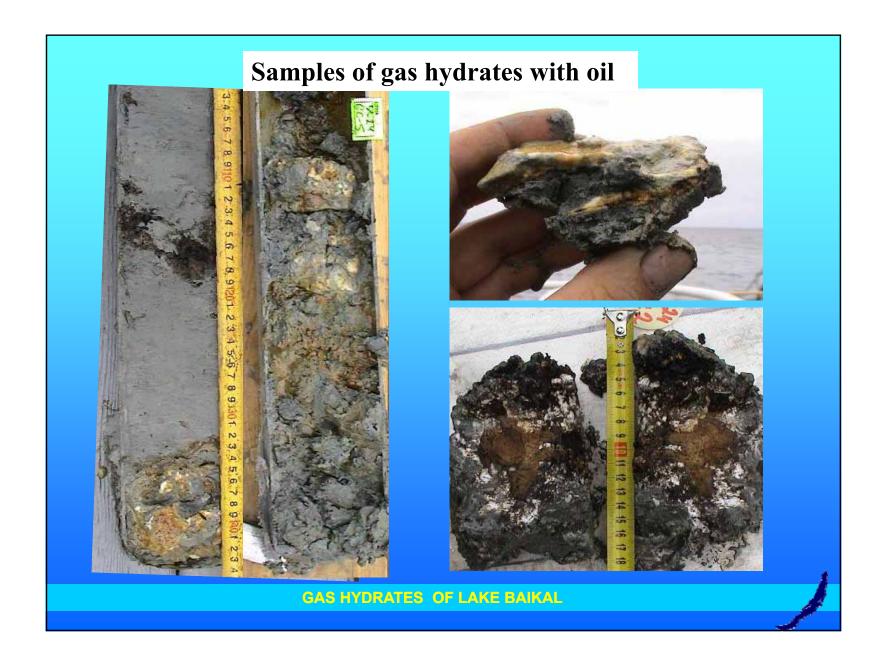


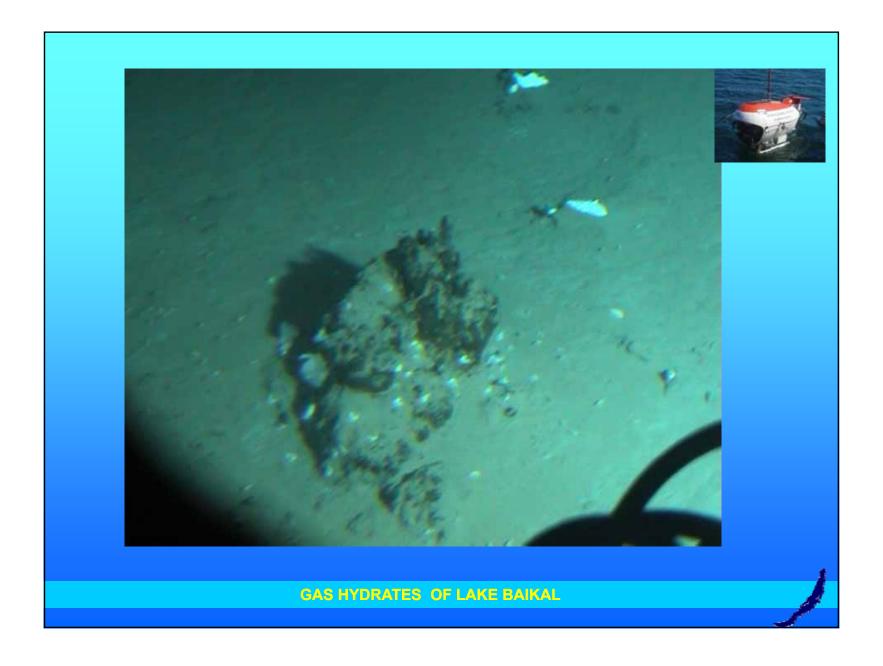


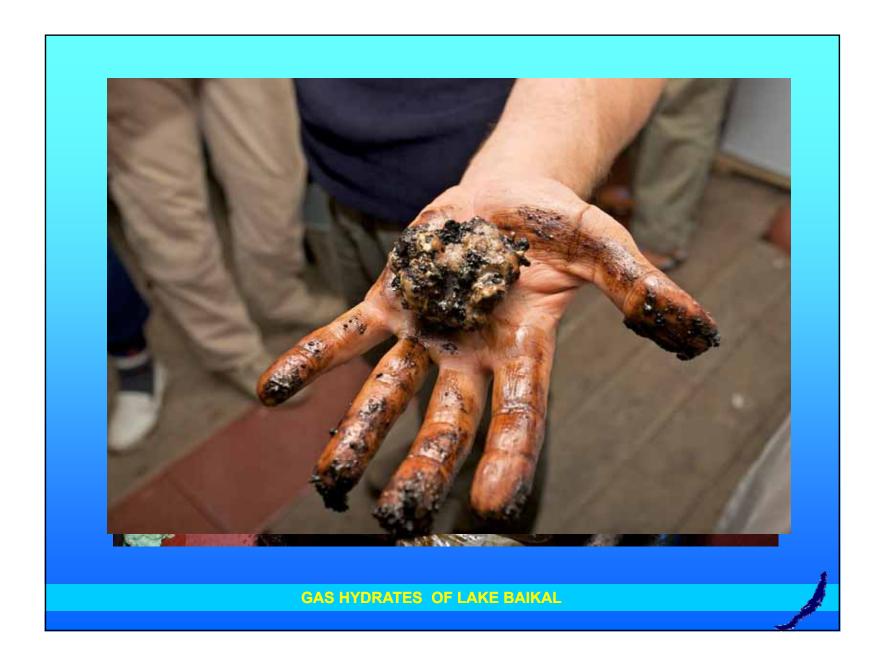




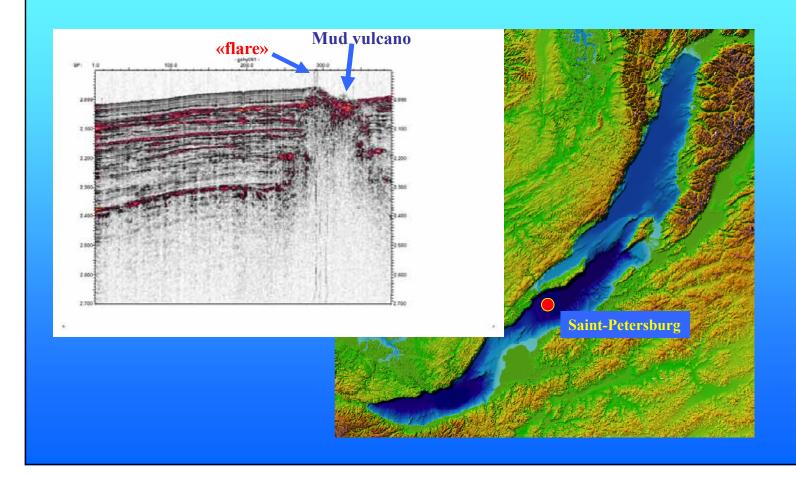




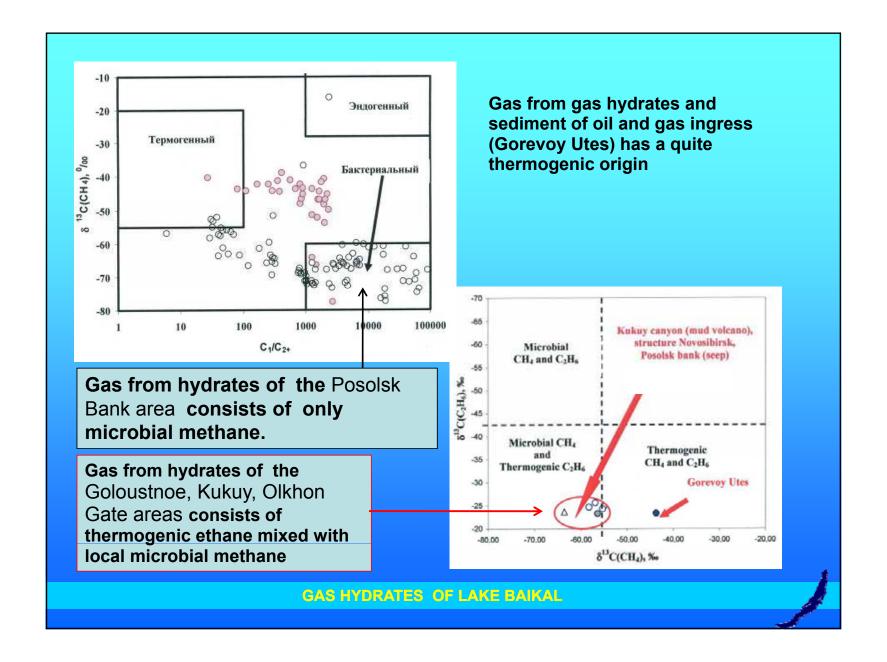




In 2009 with submersible «MIR», near the «flare» «Saint-Petersburg» we found a gas hydrates accumulation in a slope part of an underwater hill.







## **Conclusion**

- By the moment, 4 mud volcano provinces are discovered on Lake Baikal (14 mud volcanoes);
- In the sediments of 7 mud volcanoes, of gas and oil ingress nearsurface accumulations of gas hydrates forming different textures of hydrate-bearing sediments are found;
- Samples of simultaneous coexistence of hydrates of different cubic structures I and II are obtained;
- Lake Baikal is an natural laboratory and polygon where it is easy and accessibly to perform integrated studies of gas hydrates in freshwater sediments. This work can be performed not only for basic research, but also for development and testing of technologies for gas exploration from near-surface accumulations of gas hydrates.

**GAS HYDRATES OF LAKE BAIKAL** 

