

### **Information on the research and projects of the department.**

- 1.** 2012 – 2013 - Ministry of Education and Science of the Kyrgyz Republic, topic: "Temperature and filtration regime of the tailings storage foundation", Bishkek, Ministry of Education and Science of the KR, completed. **(1,500,000 soms)**.
- 2.** 2013 – 2014 - Ministry of Education and Science of the Kyrgyz Republic, topic: "Forecast of the temperature and filtration regime of structures located in frozen soils", Bishkek, Ministry of Education and Science of the KR, completed. **(1,500,000 soms)**.
- 3.** 2014-2015 - International scientific project under the Russian Foundation for Basic Research in collaboration with the Institute of Mining, Siberian Branch of the Russian Academy of Sciences (Novosibirsk) - topic: "Temperature and filtration regime and stability of hydraulic structures in permafrost conditions", completed.
- 4.** 2014 - 2015 - Ministry of Education and Science of the Kyrgyz Republic "Forecast of temperature-filtering mode of constructions located in permafrost soils" Bishkek, Ministry of Education and Science of the KR, completed. **(1,500,000 som)**.
- 5.** 2018 - 2020 - Ministry of Education and Science of the Kyrgyz Republic "Mathematical modeling of landslide processes in loamy soils of Kyrgyzstan"
- 6.** 2019 - 2023 - International project "Creating educational and research centers and developing courses on intelligent analysis of big data in Central Asia" (ELBA) Coordinator: University of Santiago de Compostela (Spain) **(2,000,000 €)**
- 7.** 2021-2022 - Ministry of Education and Science of the Kyrgyz Republic "Mathematical Modeling of Landslide Processes in Clayey Soils of Kyrgyzstan" **(1,750,000 soms)**
- 8.** 2025-2027 - Ministry of Education and Science of the Kyrgyz Republic "Experimental-Theoretical Studies of the Stability of Clayey Soils on the Slopes of Southern Kyrgyzstan" **(2,600,000 soms)**