

ADYGINE 2012



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Winter view of Adygine glacier.

JANUARY 2012

1 2 3 4 5 6 7 **8** 9 10 11 12 13 14 **15** 16 17 18 19 20 21 **22** 23 24 25 26 27 28 **29** 30 31



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Adygine valley in February.

FEBRUARY 2012

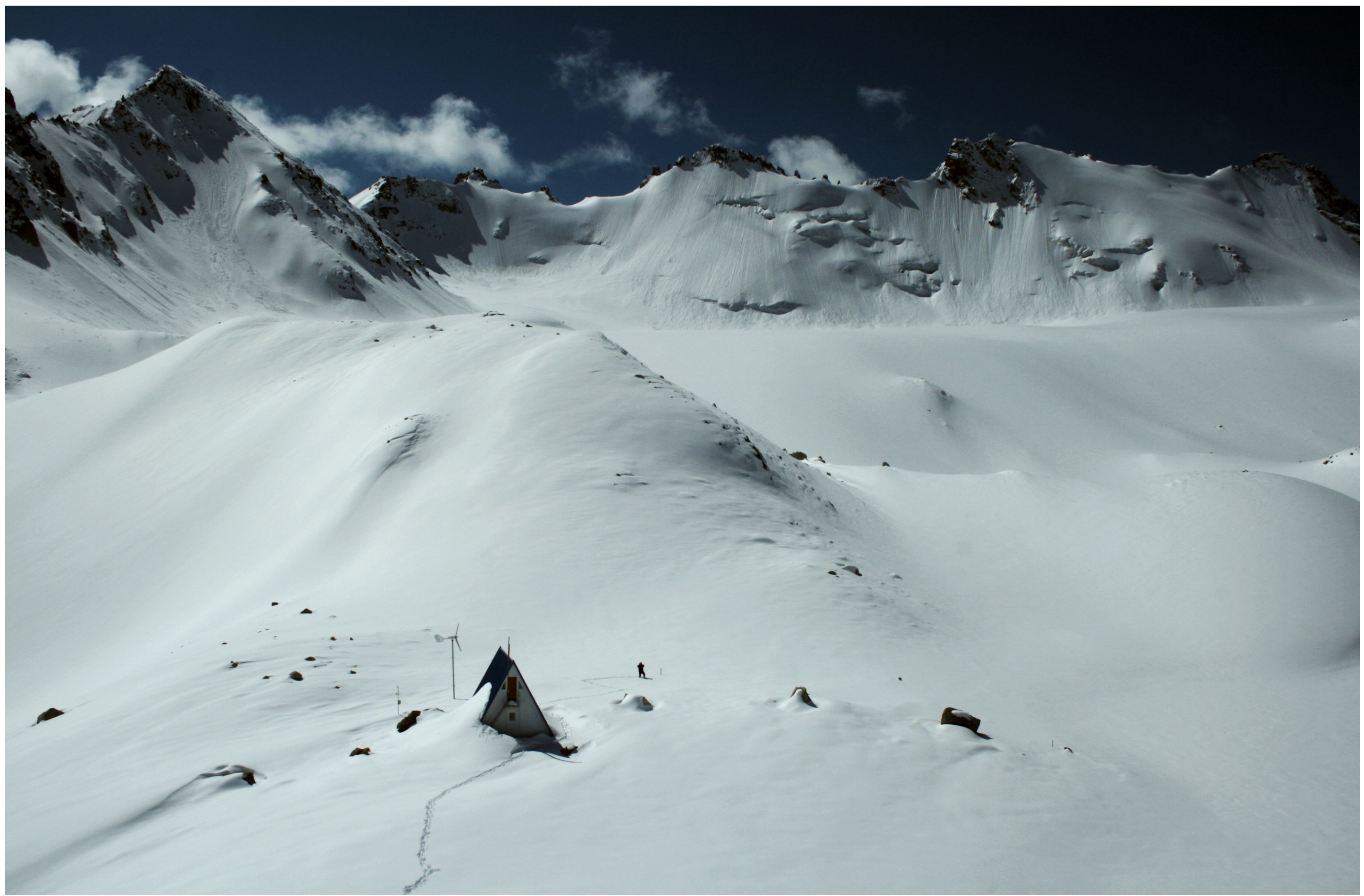
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29



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Helicopter on Adygine glacier moraine.

MARCH 2012

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



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Early spring at Adygine research station.

APRIL 2012

1 2 3 4 5 6 7 **8** 9 10 11 12 13 14 **15** 16 17 18 19 20 21 **22** 23 24 25 26 27 28 **29** 30



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Upper Adygine lake.

MAY 2012

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



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Alpine flowers on Adygine glacier moraine.

JUNE 2012

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



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Sunset over Adygine glacier.

JULY 2012

1 2 3 4 5 6 7 **8** 9 10 11 12 13 14 **15** 16 17 18 19 20 21 **22** 23 24 25 26 27 28 **29** 30 31



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Twin peak of Shubina mountain (4290 m) over Adygine lake.

AUGUST 2012

1 2 3 4 **5** 6 7 8 9 10 11 **12** 13 14 15 16 17 18 **19** 20 21 22 23 24 25 **26** 27 28 29 30 31



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Upper Adygine lake at sunset.

SEPTEMBER 2012

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



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Autumn in Adygine valley.

OCTOBER 2012

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



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Adygine glacier.

NOVEMBER 2012

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30



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Winter in Adygine valley.

DECEMBER 2012 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31



Adygine glacier complex

The Adygine moraine-glacier complex lies in the Ala-Archa National Park, ca 40 km south of the capital of Bishkek. The station is situated at the shore of upper Adygine lake at an altitude of 3 600 m. The locality is built by a glacier-moraine complex lying at an altitude of 3 400 – 4 200 m above sea level. The huge moraine consisting of a few generations of glacial till is about 3.5 km long. The apical part of the locality is covered by a glacier extending as far as the top of the mountain range. Altogether 22 lakes currently occur at the locality among which glacial, glacial/moraine and thermokarst lakes and lakes partly dammed by a rock bar are most common. Three lakes are considered potentially dangerous from the point of view of possible outburst.



Adygine research station

The Adygine research station was built up during the Czech-Kyrgyz project aimed at natural hazard assessment and climate monitoring. It lies on the northern slope of Kyrgyz range (Kyrgyz Ala-Too -western Tien-Shan) within the area of Ala-Archa National Park at the altitude of 3600 m a.s.l.

The locality was selected as a perfect place for complex of researches of high mountain ecology and climate. The station will serve as a base for researchers from Kyrgyzstan and worldwide. The station is a small house with space for up to 6 visitors/researchers plus two additional staff personnel.

The research program

The scientific program of the station follows up studies undertaken during the joint Czech-Kyrgyz expeditions. The establishment of the permanent research station upgrades the future investigations in several disciplines.

The results achieved in the Adygine area will be a model for the whole of the west Tian Shan region and can be correlated with relevant results obtained in high-mountain areas worldwide.

The station is open to research projects of the Kyrgyz and Czech teams and also to scientists of foreign universities and research institutions.

Current research program of the station consists of:

- Monitoring of hazardous lakes
- Hydrological studies
- Glaciological studies
- Climatological and meteorological observations
- Other investigations (geological, botanical, zoological ...)



Financing the work of the station

The construction and work of the station has been funded by Czech Development Cooperation Program until November 2010 when the project officially finished.

The facility and the set of equipment were handed over to the Kyrgyz government on September 18th 2009. At present the station becomes to the Ministry of Natural Resources of the Kyrgyz Republic. The Ministry earmarks some funds for basic work of the station. However the funding is unstable and insufficient.

More detailed information is published on the website www.adygine.com.

Adygine Endowment Fund

The Endowment Fund Adygine was established to help the financing the station. It is a non-profit organization registered in Czech Republic. Its goal is to support the research of natural hazards in mountain areas as well as research of glaciers, climate and mountain ecosystems in general. The main task of the fund is financial and material support of the Adygine Research Station.

The Adygine Fund is a partner for the projects focused on any kind of research and adaptation issues in high mountain areas in Kyrgyzstan and worldwide.

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