Commission on Mineral and Thermal Waters
Commission des Eaux Minérales et Thermales

Russian Chapter of the International association of hydrogeologists (IAH)
St.Petersburg University Centre of Geology, LLC
State Commission on mineral reserves of the Russian Federation

IAH - CMTW Meeting 2019

Mineral waters: origin and variety of the chemical types

October 2-5 2019
Pyatigorsk, Russia

First circular

Pyatigorsk, 2019

The Meeting will take place from October 2 to 5, 2019, and is jointly organized by the Russian Chapter of the International association of hydrogeologists (IAH), St.Petersburg University Centre for Geology, LLC and State Commission on mineral reserves of the Russian Federation. The meeting will be held together with the annual conference “Groundwater-2019”.

Meeting Topic

The proposed topic of the annual meeting is

“Mineral waters: origin and variety of the chemical types”.

All other topics of reports are welcome, too. The sessions will be open to all IAH members and all the interested scientists, engineers and experts in groundwater study.

Organizing committee

Nina Erofeeva (Head of the Department of Oil and Gas Geology, Groundwater and Buildings of the Federal Agency for Subsoil Use of the Russian Federation)
Prof Igor Shpurov (General Director of the State Commission on mineral reserves of the Russian Federation)
Dr Mikhail Leonov (Deputy General Director of the State Commission on mineral reserves of the Russian Federation)
Dr Natalia Vinograd (Associate Professor of St. Petersburg State University, IAH Vice-President, CMTW IAH member)
Dr Aleksandr Pisarnitsky (Chairman of the Board of the Eurasian Union of Subsoil Use Experts) (ECOEN)
Mikhail Kuzmin (Director of the North-Caucasian branch of the State Commission on mineral reserves of the Russian Federation)
Alexey Tudvachev (Deputy General Director, St. Petersburg University Centre for Geology, LLC)
Dr Evgeny Potapov (Head of the Sector of Hydrogeology of the Pyatigorsk Research Institute of Balneology)
Dmitry Kuklin (Director of “Geominvod”, LLC)
Dr Jim Lamoreaux (IAH - CMTW Chairman)
Dr Adam Porowski, (IAH – CMTW Secretary)

Scientific committee

Dr J. Lamoreaux (IAH - CMTW Chairman)
DrAdam Porowski, (IAH – CMTW Secretary)
Dr Natalia Vinograd (Associate Professor of St. Petersburg State University, IAH Vice-President, CMTW IAH)
Dr Evgeny Potapov (Head of the Sector of Hydrogeology of the Pyatigorsk Research Institute of Balneology)
Dmitry Kuklin (Director of “Geominvod”, LLC)
Alexey Tudvachev (Deputy General Director, St. Petersburg University Centre for Geology, LLC)

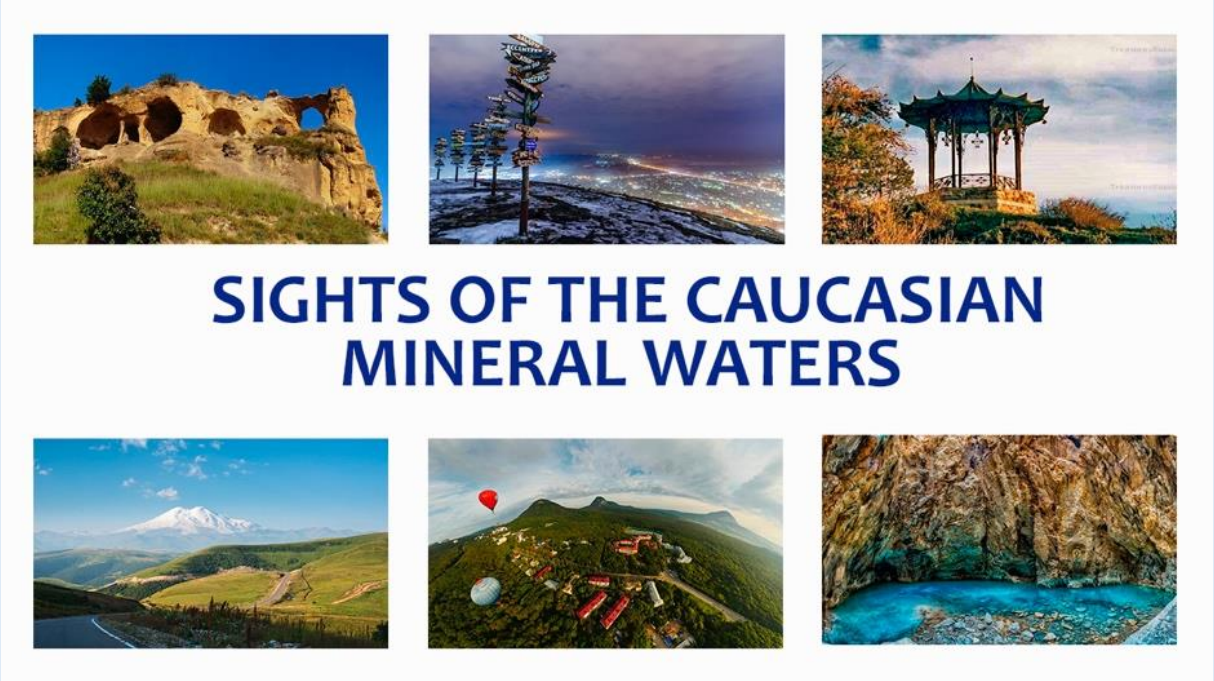
Short information about the region of Caucasian mineral waters

Geographical Information

The area of the Caucasian Mineral Waters is the most picturesque corner of the North Caucasus located in the southern part of the Stavropol Region of Russia, on the Northern slopes of the Main Caucasian ridge, between the Black and Caspian seas. For several tens of kilometers from the North to the South, the steppe gradually turns here in the mountains. Grass steppes are replaced by luxurious deciduous and pine forests, changed higher by Alpine meadows. The cone-shaped, volcano-like mountains: Byk (Bull), Zmeyka (Snake), Zheleznaya (Iron), Beshtau, Mashuk are very well seen from the steppe plain. The slopes of these low mountains are completely covered with thick hornbeam and oak forests. Caucasian Mineral Waters are located on the distance of only 90 km from the highest mountain in Europe — Elbrus, the two-headed peak of which is clearly visible almost throughout the region. It is situated in the III time zone — GMT + 3 hours (Moscow time).

Pyatigorsk

Pyatigorsk is located in the Stavropol region; it is one of the oldest balneological resorts in Russia. Numerous mineral springs and mud deposits are compactly located on a relatively small area. However, it is good not only for health, but also as a new interesting route in the tourist collection of a traveler. Situated at the foot of the mount Mashuk, in picturesque groves, this colorful piece of the North Caucasus is always happy to guests regardless of their nationality and social status. Its natural wealth - mineral water, therapeutic mudand clean mountain air - are free for everyone!



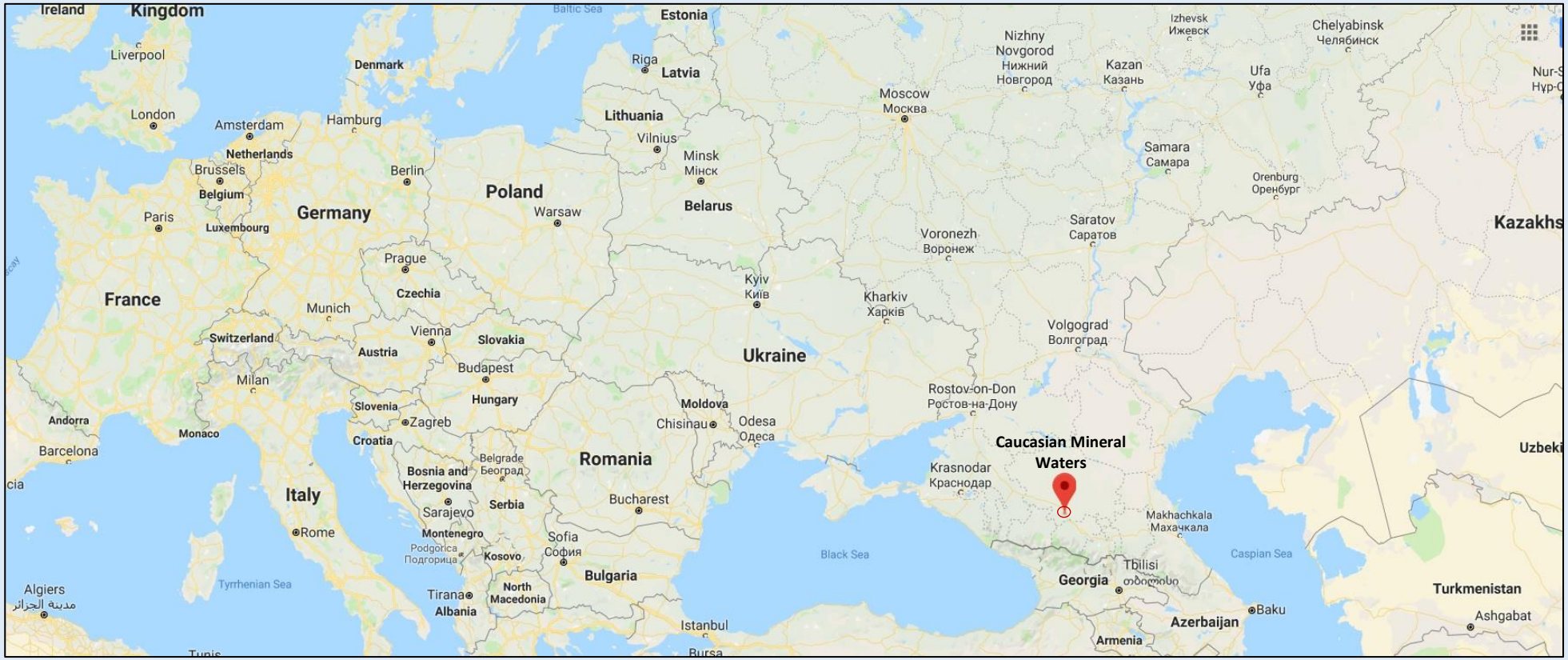


Fig. 1 Geographical location

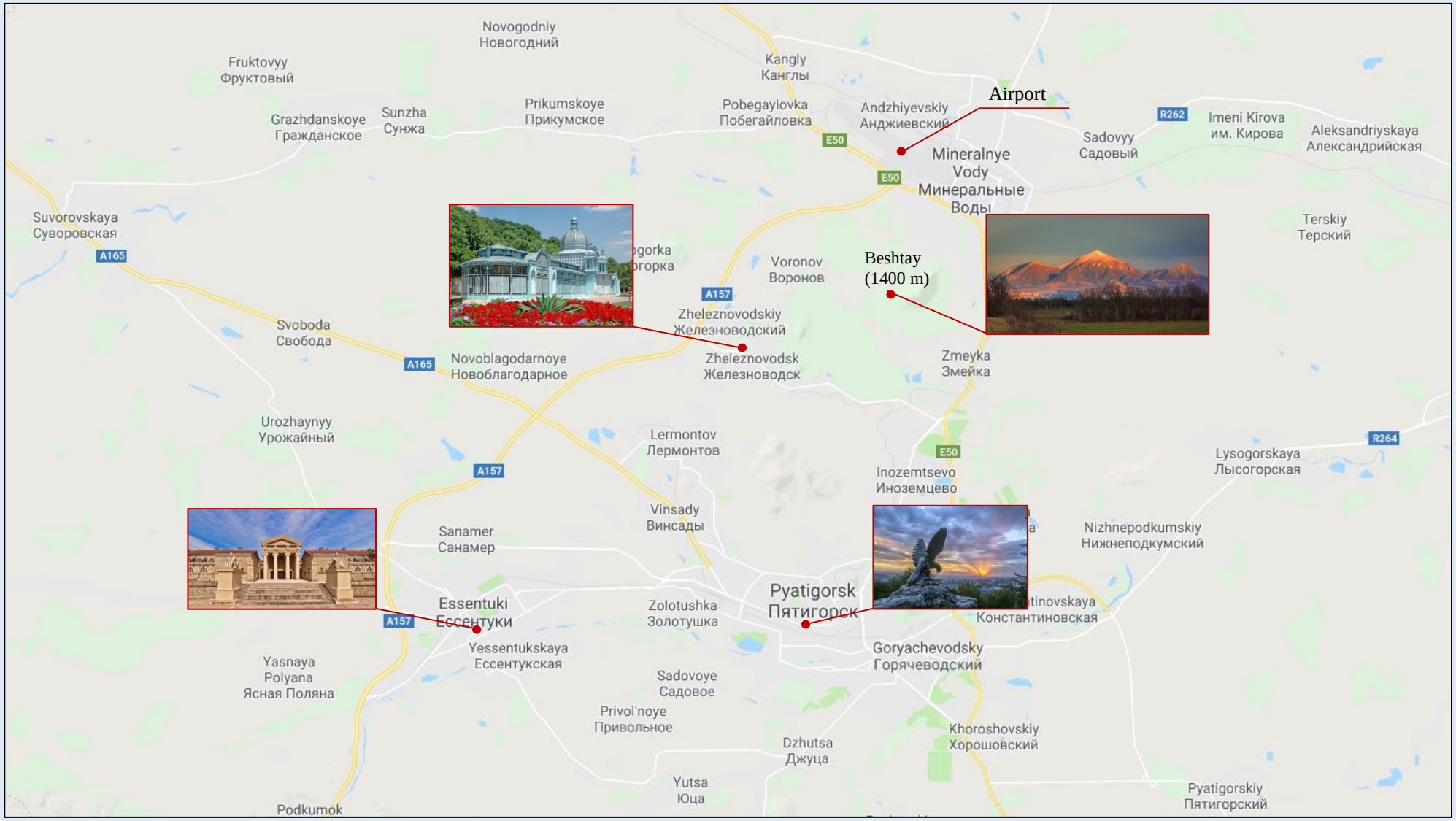


Fig. 2 Sketch map of the area

Mineral water

As a result of its complex geological structure, the region of Caucasian Mineral Waters has a great variety of mineral water types. Local hydrogeologists will present the information on geology and hydrogeology of the area and mineral water springs.

Weather conditions

The weather in the beginning of October is very liable for outdoor activities, with day temperatures from +13°C to +18°C; rains are not very probable.

How to get there

By plane: There is an international airport “Mineralnye Vody” (“Mineral waters”): situated about 20 km to the north from Pyatigorsk.
The easiest way to reach Pyatigorsk is by Taxi, the price is about 10 euros. There is also bus and train connection.
All the participants of CMTW IAH – 2019 will be met in the airport.

By car: The highway M-4 "Don" and the road M 6 "Caspian" connect Pyatigorsk with towns of the central and southern Russia.

By train: There is a direct train connection with Moscow, St.Petersburg and some other towns of Russia.

Terms of payment, money transfer:

Only Russian roubles (RUR) are used for local payments.
Change of foreign currencies (as Euro, CHF and USD) is possible in any bank in town and in big hotels. It is recommended to have some cash for small payments in town (souvenirs, public transport, taxi). Cash machines (accepting most international credit cards) are available in town, banks and hotels. There can be difficulties in smaller villages. Credit cards are accepted in town, at big hotels and shops, but it’s better to have some cash during the field trip.

Conference venue

The conference “Groundwater-2019” and CMTW IAH session will take place at “Beshtau”*** hotel opened in 2014 and situated in the central part of the town (beshtau26.ru).

Accommodation

There is a variety of bigger and smaller hotels, hostels and private apartments available for accommodation in Pyatigorsk.
All participants of the Meeting will be accommodated in comfortable rooms for one night during the fieldtrip. The cost of accommodation during the fieldtrip is included in the conference fee.

Conference fee

The estimated conference fee will be about 450 euros for IAH members and 500 euros for non-members. It can be paid on site by cash in euros or beforehand by credit card to the account that will be specified in the Second Circular.
The fee includes:

- Meeting in the airport;
- Welcome party;
- Participation in the conference “Groundwater-2019” and CMTW IAH Session;
- Lunches and coffee-breaks during the conference and Session;
- Excursion around the town of Pyatigorsk (optional);

- Two-days fieldtrip around the Caucasian mineral water region (meals and accommodation included);
- Farewell party.

Fieldtrip and excursion

The 2-days field trip will cover the variety of mineral water types of the region of the Caucasian Mineral waters, participants will visit mineral water springs, water intakes, bottling plants.
During the excursion around the town of Pyatigorsk, the participants will see cultural and natural sights of the place, visit the top of Mashuk mount with a spectacular view and try the water from natural springs of several types.

Issue of the second circular: June 30, 2019

Visa requirements for foreign participants

For the citizens of the most countries (excluding Ukraine, Belarus and some others) it is necessary to have Russian visa. The requirements for visa applications can differ depending on the country, so it is better to contact Russian Embassies in your countries to find out what you need to get visa. For those who need an official invitation to arrange visa, please send a copy of the first page of yourpassport (with a photo) prior to June 30, 2019 to the address indicated on Registration form).

Please do not hesitate to ask any questions by e-mail or phone!

Contact person:
Dr Natalia Vinograd ***(nv.70@hotmail.com)***
Cell phone: +7 904 3338050

CMTW IAH Meeting
Pyatigorsk, Russia
October 2 – 5, 2019

Registration Form

(Please send before June 30, 2019)

Name _____

First name _____

Title _____

Organization _____

Position _____

Address_____

E-mail _____

Phone_____

Probability of participation (please underline your answer) **Unlikely** **Fair** **Good**

I will be accompanied by _____

Expected arrival and departure date _____

I need an official invitation letter for visa **Yes** **No**

I would like to stay in Russia before / after the Meeting for_____days

I need help in the accommodation reservation (If you do, please, indicate your requirement for the quality and price of the accommodation and dates for reservation) **Yes** **No**

_____

Please indicate the title of your presentation (to be submitted until June 30, 2019)

_____

_____

Date, Signature_____

Please, send this Registration form to Dr Natalia Vinograd (nv.70@hotmail.com) Cell phone +7 904 3338050

Preliminary program of the Conference "Groundwater-2019" and CMTW IAH Annual meeting – 2019

Pyatigorsk, Russia
October 2 – 5 2019

October 1st (Tuesday)
Arrival of the participants to the airport Mineralnye Vody, meeting in the airport, accommodation in Pyatigorsk.

October 2nd (Wednesday)

9-00 – 10-00 Registration, welcoming tea/coffee

10-00 – 13-30 Conference "Groundwater-2019" and CMTW IAH Annual meeting – 2019
Opening Ceremony (joint meeting, simultaneous translation into English/Russian will be provided)
Welcome from the state and local authorities
Welcome from the CMTW Chairman
Presentations of the participants of the Conference "Groundwater-2019"
(11-30 – 12-00 Coffee break)

13-30 - 14-30 Lunch

14-30 – 16-45 CMTW IAH Session
Presentations of local hydrogeologists about hydrogeology of Caucasian Mineral Waters area
Presentations of CMTW IAH members

16-45 – 17-30 CMTW IAH Business meeting

17-30 - 20-00 Welcome party

October 3rd (Thursday)

10-00 – 13-30 CMTW IAH Session
Presentations of CMTW IAH members
(11-30 – 12-00 Coffee break)

13-30 – 14-30 Lunch

14-30 – 18-00 Excursion around the town of Pyatigorsk

October 4th (Friday) – 5th (Saturday)
Two-days excursion around Caucasian Mineral Waters area
Farewell party

October 6th (Sunday)
Departure.