

WORKSHOP RESULTS 12.10.24

LET'S PREPARE THE WALLS

Venue: 2 Karakulskaya St., Bishkek

Organizers Oekofacta Architectural Bureau and PF Urban Initiatives:

The aim of this one-day event was to popularize energy efficient high-quality construction from regionally available and ecological materials. To understand the climatic characteristics of Kyrgyzstan and maximize the use of solar heat to reduce the cost of house heating and cooling, to reduce the emission of greenhouse gases into the atmosphere. Improving the quality of population's life without harming the air quality.



12.10

Суббота в 10:00

Швейцарское архитектурное
бюро **ОЕКОФАКТА**
МА ZFH Сайкал Жунушова,
Айдана Борисова

Каракульская 2

1000 сом

Для всех, кто интересуется и хочет разбираться в строительстве

An announcement was made 1 week prior to the event to recruit participants with a limit of 20 participants. 17 applications were received. As a result, all 17 registered participants took part in the workshop. The workshop was fee-based, which included the cost of all materials and tools, as well as lunch and afternoon snacks.

WORKSHOP PROGRAM

11:00 - 12:30 - The first part of the event was a theory session followed by a presentation on the impact of construction on climate change and demonstrations of realized energy efficient buildings in Kyrgyzstan.



14:00 - 17:30 - The second part of the event was a practice session with hands-on work and creation of models from ecological materials such as straw, clay, wood and wool. Exploring practically how and with what the wall is insulated. Introduction to the materials started with the preparation of the first small copies with the use of different additive (reinforcing) materials such as chopped straw, sand, crushed stone and dry lime. Later, participants made different constructions of exterior and interior, load-bearing and non-bearing walls. Finally, they performed impact and water resistance tests.





18:00 - 18:30 - At the end participants visited the realized in 2023 single-family 2-storey house built according to the principles of energy efficiency and from available environmentally friendly materials: wooden frame insulated with straw bales, interior walls of the first floor from adobe clay bricks and interior walls of the second floor from lightweight adobe filling.



PARTICIPANTS' TESTIMONIALS

Zhyrgal Botobaeva, @jyrgal_izm, nature lover, financial physicist, “a builder at heart”

“ Very extensive and informative workshop content. Learned about keeping heat in the house. Very relevant topic of the workshop. The hands-on part made it great to get a feel of the material. In terms of clarity and knowledge of the subject, the instructor is a professional. The ratio of quality to price of the event was very much appreciated. Looking forward to participating in similar events in the future. Will try to spread the word more and recommend this event next time. It was cool. The only thing I need next time is a clear program 🍌 to plan the time relative to the volume of the workshop.”

Participant 2 - Anonymous feedback

“ Great workshop content. Learned about keeping heat in the house. Learned about structures for adobe wall, the need for moisture and wind protection for felt walls. The practical part helped to remove the fear of the uncertainty))) Excellent trainer for the whole event. I will certainly participate in similar events in the future. Would



recommend this event to everyone else. It would be good to create a community of craftsmen who can realize these ideas of walls or construction from natural materials. Maybe even lead such a community, to find or give them orders, to work with them to improve their understanding of the technology.”

Alikulov Alisher, Software Engineer

“ There were a lot of interesting and new things for me. The most valuable thing I learned is that a sustainable house can also be practical and good looking. It seems that pictures would have been enough, as I still didn't understand what straw and clay affect through practical lessons. The instructor's knowledge is hard to rate, everything was new to me. But the accessibility and clarity is 9/10. The ratio of the price of participation to the quality of the event I estimate at 11/10. I will participate in similar workshops in the future and have already recommended them to my friends and family. The tour of the completed house was absolutely incredible! I was beyond thrilled by it!”

Borisova Aizhamal, graphic designer

“ A lot of new and interesting information. Energy saving and construction technologies were the most valuable for me. Very relevant topics of the workshop. Of course practice is the best way to reinforce the material. The professionalism of the workshop instructor is clearly visible. Excellent value for money for participation in the event and quality. Thank you very much!”

Saparbek uulu Salamat, Architect



“ Just super!!! Learned a lot of valuable things for myself, how to minimize the use of heating and air conditioning in summer, and most importantly that this is an eco-house. Relevant topics about smog, CO2, example of house positioning on the plot, pyramid of materials, temperature in the house, etc. Still consolidating the knowledge gained in the practical part. The knowledge was presented in a sincere and understandable way. I would like a slightly shorter version, where more oriented to people who will not build themselves. I would certainly recommend this event in the future, so that many people learned and the demand was for such houses. The most important thing is your health, stay healthy and create for the benefit of people, all the best to you, I am very glad that I met you and all the participants of the workshop”.

Kylychbek uulu Almazbek, architect

“Lecture and practice is a very good investment in the future. Useful sides for ecology and positive impact on human health. The topics discussed are very relevant nowadays. Saikal Zhunushova's level of education is very good, she demonstrated and explained everything clearly in practice. The price-quality ratio is normal. I will certainly take part in similar workshops in the future. By now I am already advertising how this workshop went. Thanks to the workshop I have learned a lot of useful things. Many thanks to Saykal Zhunushova and Aidana Borisova”.

Participant 7 - Anonymous feedback

“I really enjoyed the workshop on straw house construction. First of all, I was pleased with the depth and quality of the information provided. I have been interested in this subject for a long time and thanks to Saikal now I have learned more information. The most valuable thing I learned about the principles of ecological construction, the properties of straw as a building material. I think the topic of energy saving will be relevant for another 50 years until people learn to take care of nature. It seemed that Saikal was a bit worried. The workshop also gave me the opportunity to meet like-minded people, the atmosphere was very friendly, which made the participation even more pleasant. I was happy with the price. Of course, I will participate in similar events in the future, I always want to learn more”

Yulia, photographer

“Excellent, first they gave an introductory theoretical part, then immediately put it all into practice. Very cool to do it all with your own hands, test samples. Incredibly delicious lunch! The most valuable thing I learned is that earlier in the design of houses the priority was design, and today's reality is how sustainable and energy efficient the house is, what materials are used. These topics are relevant today all over the world, in our country especially in connection with the general environmental situation, if everyone starts from their own home, to apply these technologies in the planning and construction of new homes, we will be able to create homes more durable, environmentally friendly with the least impact and the least waste for the environment. When you listen to the theory, in the head a lot of questions and doubts, how it will work in reality, at the workshop, we immediately put everything into practice and tried to make samples with our own hands. We felt the properties of materials, for example, how dense straw becomes if it is compressed, or, what consistency should be the clay for work, and if you add straw it becomes more dense and viscous, about the properties of wool in contact with water, it was very informative! The presentation is excellent, everything is structured, examples of scientific research and world practices, as well as knowledge gained from my own experience, even the opportunity to see realized objects. The instructor's passionate and enthusiastic gaze reflects a genuine interest and deep immersion in the topic, inspiring a desire to share the knowledge with everyone. I will definitely recommend this workshop to my network. Thank you for educating and promoting these ideas in Kyrgyzstan!

Dana Bakytbekova, QA engineer

“Cool organization and the workshop process itself. It was very informative 🙏 The most valuable thing I learned was that ecological houses are not expensive and there is a possibility to build them in our region. The topics covered are relevant and hopefully will be popular in our region. In the practical part we could clearly see that the construction is feasible and of high quality. Saikal explains information in a very clear and accessible way, and I really appreciate that she generously shares her knowledge and is committed to teaching and promoting the culture of eco-homes. The quality and value of the workshop far exceeded its cost. I will definitely participate in similar workshops in the future, and I'll be recommending them to friends and family. Wishing you success, and thank you so much! 🙏”

