

Final Meeting of the Erasmus Plus ELBA Project

Academic and Management staff of Turin polytechnic university in Tashkent, Prof.Kasim Khusanov, Mr.Mansur Asranov, Mr.Makhkam Kayumov and Mr.Khamidulla Khabibullaev, are participating in the Final Meeting of the Erasmus Plus ELBA Project. The Final meeting, dedicated to discussion of project results and finalization, is being celebrated in #University of Primorska, Koper, Slovenia during January 23-25, 2023.



One of the amazing parts of the event is the Competition in the field of Intelligent BigData Analysis. The projects developed by joint Academic and Student teams from each Central Asian Partner universities have been discussed. The Project proposed by the #TTPU joint Academic and Students team, supported by Prof.Kasim Khusanov and Dr.Shokhjakhon

Abdufattokhov, has been selected as the Winner of the Competition.





Erasmus+

The competition in frame of ELBA international project to identify and encourage the best participant team based on the results of the practical work using Big Data.



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TTPU

Development of a software package for optimizing the management of electric power resources of cement production based on multivariate correlation and regression analysis using Big Data Processing Methods

WP5 CHALLENGE 2023

1st place

Dr. Branko Kavsek

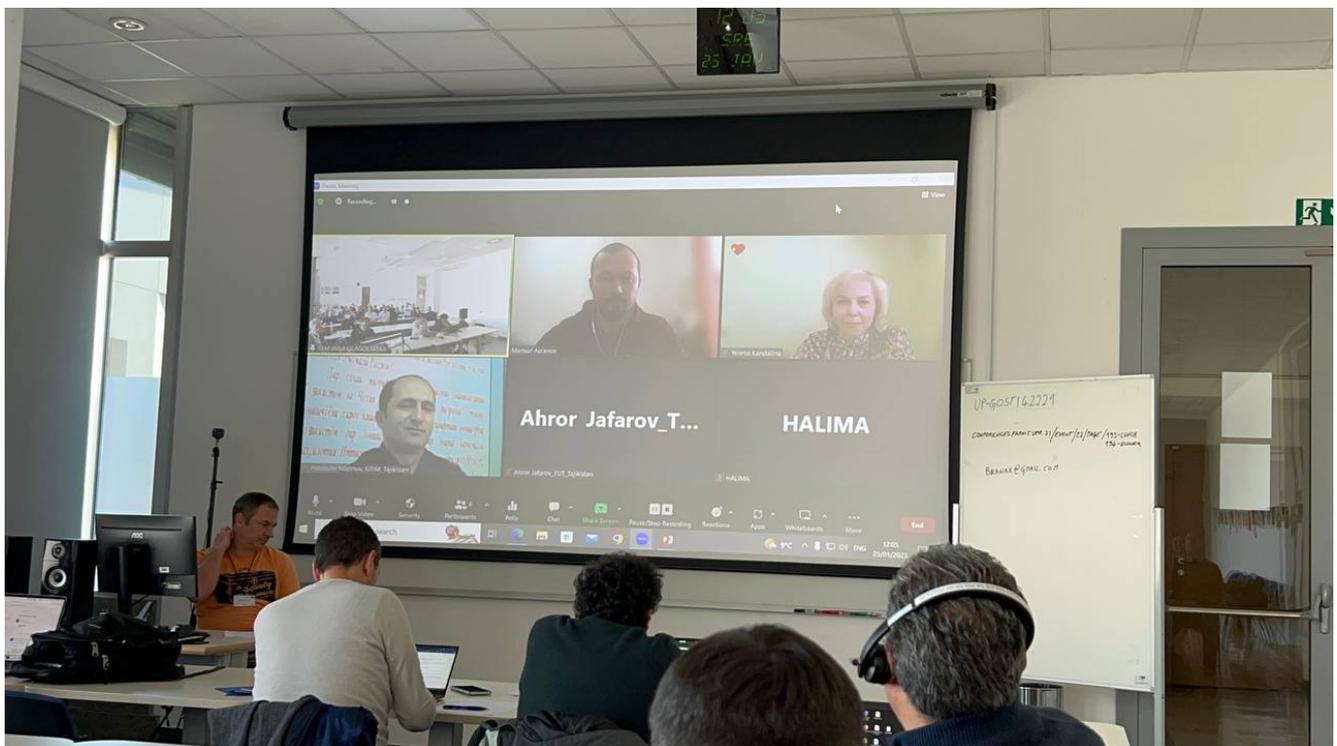
European Commission's
 Dr. David Losada

Dr. Emilio Musso

Erasmus+ #ELBA Project's goals are: establishment of training and research centers (laboratories) on Intelligent BigData Analysis, equipped with high-performance computing and software, as well as development and implementation of a course package on Intelligent BigData Analysis for bachelor and master students, and professionals.



FIND OUT MORE HERE: <https://elba-project.eu>





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```
in [11]: testing_observations = len(x_test)
lag = optimal_lag

test_output_data = x_test[lag:]
test_input_data = []
for i in range(lag):
    test_input_data.append(x_test[lag-1-i:testing_observations-1-i])
test_input_data = np.stack(test_input_data)
test_output_data = torch.tensor(test_output_data)
test_input_data = torch.tensor(test_input_data)

7: [12]: fig, ax = plt.subplots(2, 1)
ax[0].plot(np.array(test_input_data[:, :]).detach().numpy())
ax[0].plot(np.array(test_output_data[:, :]).detach().numpy())
ax[0].legend(["Training", "Prediction"])
ax[0].set_xlabel("Time")
ax[1].plot(np.array(test_output_data[:, :]).detach().numpy())
ax[1].plot(np.array(test_output_data[:, :]).detach().numpy())
ax[1].legend(["Testing", "Prediction"])
ax[1].set_xlabel("Time")
fig.set_size_inches(20, 15)
plt.savefig("Energy_6prediction.png")
plt.show()
```

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