

**International Field Symposium of the Peribaltic Working Group
07–13 September 2019, Greifswald, Germany**

**FROM WEICHSELIAN ICE-SHEET DYNAMICS TO HOLOCENE LAND USE
DEVELOPMENT IN WESTERN POMERANIA AND MECKLENBURG**

Fourth circular, July 2019

Dear Colleague,

we look forward to welcoming you in Greifswald on **07th September 2019** at the **ice breaker party** in front of your hostel "MAJUWI". Address: Majuwi, Maritimes Jugenddorf Wieck, Yachtweg 3, 17493 Greifswald/Wieck (<https://www.majuwi.de/startseite.html>). The conference office is open from 19:00.

When you arrive by train in Greifswald, at the main station (= Greifswald ZOB), please take the bus "Line 2" and leave the bus at the terminal stop "Wieck-Brücke". After getting off, stay on the southern side of the river and walk 200 m to northeast along the riverbank (see map below).

Talks and poster sessions on 8th September 2019 will be at the Institute of Geography and Geology, Jahn-Strasse 17a, 17489 Greifswald (<https://geo.uni-greifswald.de/>). You have three options: (1) Enjoy a 45-minutes morning walk from your hostel "Majuwi" along the river Ryck to the Institute (see map). (2) Take bus "Line 2" from the counterpoise bridge near your hostel (at 07:21 or 07:51 a.m.) and step out at stop "Am St. Georgsfeld". After leaving the bus, cross the main road and follow the road "Am St. Georgsfeld" 200 m towards the south. You will be guided to the courtyard of the University building by signs and helpers. (3) In addition, some minibus shuttles will be available in front of your hostel "Majuwi".

On the evening of the **8th September 2019**, we continue the program with the **conference party** at the same location in front of the Institute of Geography and Geology. There is a barbecue in the courtyard. And in the legendary student's pub "Geologenkeller" (<http://geologenkeller.de/>) you may enjoy drinks and music. Therefore, we recommend a relaxed and useful dress code.

Our five-day **field trip will start on 9th September 2019** by bus in front of your hostel "Majuwi", punctual at 8:00 am. Please be on time. Keep in mind that the excursion includes several hours of hiking. In September, the weather can be rainy and cold. With hiking boots, a rain jacket and a warm sweater you are well equipped. All times we will stay close to the Baltic Sea and lakeshore and can use on last evening a sauna, so please take a swimming suit, towel and flip-flop.

Please inform us as soon as possible if you prefer vegetarian meals during the meeting and if you have any special dietary requirements. For all participants who do not respond, we automatically order unspecified dishes (non-vegetarian or vegetarian).

For **oral presentations**, please provide two files upon your arrival on 07th September 2019, one in PowerPoint format (*.ppt) and one in Portable Document format (*.pdf). Please use helpful file names that include the scheduled time of your talk (see programme below) and your name (family name and first name). Example: "08_15_Hüneke_Heiko.ppt"

Take note of the **poster format**: Poster orientation should be portrait (= vertical). Poster size should be A0 (841 mm wide x 1189 mm high). You can fix your poster on Sunday 8th September from 07:45 to 08:15 a.m. before the beginning of the oral presentations.

Oral contributions and preliminary programme

07:45 - 08:15	Registration & Poster preparation	
08:15 - 08:45	Meet & Greet	
08:15 - 08:20	Hüneke, Heiko; Börner, Andreas and Lorenz, Sebastian	Welcome note of the organizing team
08:20 - 08:30	Sokołowski, Robert J.	Welcome address of the president and opening of the field symposium
08:30 - 08:40	Warr, Lawrence	Brief presentation of the Institute of Geography and Geology by the reigning director
08:40 - 08:45	Lorenz, Sebastian; Hüneke, Heiko and Börner, Andreas	Acknowledgements
08:45 - 10:45	Palaeoseismicity and periglacial processes	
08:45 - 09:00	Steffen, Holger* and Steffen, Rebekka	On models of glacially induced fault reactivation and how to constrain them
09:00 - 09:15	Zaretskaya, Nataliya*; Shvarev, Sergey; Korsakova, Olga and Grigoriev, Vasiliy	Palaeoseismic traces in the Late Pleistocene deposits of Southern Kola peninsula
09:15 - 09:30	Belzyt, Szymon*; Pisarska-Jamroży, Małgorzata; Bitinas, Albertas; Jusienė, Asta and Woronko, Barbara	Differences between periglacially-, seismicity-related and glacitectonically-triggerred soft-sediment deformation structures, case study from Slinkis site (Central Lithuania)
09:30 - 09:45	Dzieduszyńska, Danuta A.*; Petera-Zganiacz, Joanna and Forysiak, Jacek	Properties of the aeolian covers in extraglacial part of the last Vistulian ice sheet limit (Central Poland)
09:45 - 10:00	Forysiak, Jacek*; Majecka, Aleksandra; Marks, Leszek and Okupny, Daniel	Relic pingo at Józefów in central Poland
10:00 - 10:15	Majecka, Aleksandra*; Forysiak, Jacek; Marks, Leszek; Tołoczko-Pasek, Anna; Stachowicz-Rybka, Renata and Korzeń, Katarzyna	New botanical records from the fossil closed depressions in the central Poland
10:15 - 11:15	Poster presentations & coffee break	
11:15 - 12:30	Postglacial environments and Baltic Sea development	
11:15 - 11:30	Vaikutienė, Giedrė*; Bitinas, Albertas; Damušytė, Aldona and Grigienė, Alma	Geological investigations of postglacial environment in the Southeastern Baltic Sea area (Lithuanian zone)

11:30 - 11:45	Rosentau, Alar*; Nirgi, Triine; Hang, Tiit; Jonuks, Tõnno, Jõeleht, Argo; Kriiska, Aivad; Risberg, Jan; Suuroja, Sten and Tõnisson, Hannes	Holocene relative shore level changes in the Gulf of Riga – new data from the Pärnu Bay area
11:45 - 12:00	Moskalewicz, Damian*; Szczuciński, Witold and Mroczek, Przemysław	Sedimentary record of storm surge deposits along SE Baltic coast formed under inundation and overwash regimes
12:00 - 12:15	Subetto, Dmitry*; Belkina, Nataliya; Rybalko, Alexander; Strakhovenko, Vera; Zobkov, Mikhail; Potakhin, Maksim; Borodulina, Galina; Gurbich, Victor; Kublitskii, Yurii; Kiskina, Aleksandra; Ovdina, Ekaterina; Fedorov, Grigory; Hang, Tiit; Korost, Svetlana; Belayev, Pavel; Belov, Mikhail and Barymova, Aleksandra	Sedimentary environments in Lake Onega: from Late Glacial to modern conditions
12:15 - 12:30	Sarala, Pertti*; Kaislo, Linnea; Korkala, Heta-Maria and Raatikainen, Markus	LiDAR-based mapping of the variable subglacial geomorphology in the central part of SIS

12:45 - 13:45

Lunch

13:45 - 14:45

Poster presentations & coffee break

14:45 - 16:00

Pleistocene glaciation and deglaciation

14:45 - 15:00

Tylmann, Karol*; Rinterknecht, Vincent; Börner, Andreas and Piotrowski, Jan A.

Bayesian age modelling of the last deglaciation in the southern sector of the Scandinavian Ice Sheet

15:00 - 15:15

Bitinas, Albertas

The last Scandinavian Ice Sheet: areal vs. frontal paradigm of deglaciation

15:15 - 15:30

Nartišs, Māris

New insights on ice dynamics from analysis of terrain of Latvia

15:30 - 15:45

Czubla, Piotr* and Sokołowski, Robert J.

Did the Baltic Ice Stream exist during the Late Saalian? New data from the northern Wielkopolska and Eastern Pomerania regions, Poland

15:45 - 16:00

Böse, Margot*; Hardt, Jakob and Lüthgens, Christopher

The southwestern sector of the Weichselian Scandinavian Ice Sheet: Facts and knowledge gaps

16:00 - 17:00

Poster presentations, coffee break & beer

17:00 - 18:00

Soil and palaeosoils

17:00 - 17:15

Pogosyan, Lilit*; Kulikova, Tatiana; Sedov, Sergey; Pi Puig, Teresa; Sheinkman, Vladimir; Yurtaev, Andrey and Krasilnikov, Pavel

Clay illuviation in loamy soils of north-western Eurasia - evidence of early Holocene warm stage?

17:15 - 17:30	Kust, Pavel*; Makeev, Alexander and Lesovaia, Sofia	Bipartite sediments within the Moscow (Saalian) glacial limits of the Russian Plain: Mineralogy, Micromorphology and Soil Formation Framework
17:30 - 17:45	Rusakov, Alexey* and Fedorova, Maria	Buried soils under stone mounds in the Eastern part of the Leningrad region, Russia (the monument Zabel'e): Genesis and paleoenvironmental inferences
17:45 - 18:00	Golyeva, Alexandra* and Golev, Aleksandr	Microbiomorphologic analysis: possibilities, limits and information capacity for landscape reconstruction
18:00 - 18:15	Final announcements	
18:00 - 18:15	Hüneke, Heiko; Börner, Andreas and Lorenz, Sebastian	Final announcements
18:15	Conference Party	

Poster contributions

Błaszkiwicz, Mirosław*; Tyszkowski, Sebastian; Brauer, Achim; Bonk, Alicja; Müller, Daniela; Schwab, Markus and Słowiński, Michał	Mass movement deposits in the sediments of Lake Gościąg
Börner, Andreas*; Müller-Navarra, Katharina; Rother, Henrik and Schütze, Karsten	The exploration of heavy minerals and Rare Earth Elements (REE) in marine sand deposits on the SW Baltic Sea floor – Scientific background and progress report of the SEEsand project
Borodulina, Galina*; Tokarev, Igor; Voroniuk, Grigory and Subetto, Dmitry	The isotopic composition of groundwater in the Baltic–White Sea region as a reflection of geographical and climatic evolution in the Late Pleistocene-Holocene
Frydrych, Małgorzata*; Rdzany, Zbigniew and Petera-Zganiacz, Joanna	The problem of analysing grain size distribution in fluvio-glacial coarse-grained sediments
Górska, Martyna Eliza	Hybrid event beds from the Tylmanowa site (Polish Outer Carpathians)
Grigienė, Alma* and Jusienė, Asta	Merkinė (Eemian) deposits at the Kurkliai outcrop
Hang, Tiit*; Gurbich, Viktor; Subetto, Dmitry; Strakhovenko, Vera; Potakhin, Maksim; Belkina, Nataliya and Zobkov, Mikhail	Glacial varves of Onega Ice Lake, Russian Karelia
Kindermann, Regina and Rother, Henrik*	Late Pleistocene deglaciation and Scandinavian Ice Sheet dynamics in NE-Germany: new results from surface exposure dating in Mecklenburg-Vorpommern

Kittel, Piotr*; Mazurkevich, Andrey; Danger, Maxime; Dolbunova, Ekaterina; Gauthier, Emilie; Krąpiec, Marek; Kurzawska, Aldona; Maigrot, Yolaine; Mroczkowska, Agnieszka; Okupny, Daniel; Płóciennik, Mateusz; Pawłowski, Dominik O; Rzdokiewicz, Monika; Słowiński, Michał; Szmańda, Jacek and Wieckowska-Lüth, Magda	Earth, water, air, fire – human-environment relationships in the multi-proxy palaeoecological study at Serteya in Western Russia
Korsakova, Olga*; Nikolaeva, Svetlana; Kolka, Vasily; Tolstobrov, Dmitry and Tolstobrova, Alena)	Imandra Lake depression in the Late Glacial and Holocene (Kola Peninsula, NW Russia)
Korsakova, Olga* and Zaretskaya, Nataliya	Mid Weichselian paleoenvironments in the N-E Fennoscandian Shield (N-W Russia)
Kublitskiy, Yuriy*; Subetto, Dmitriy; Vlasov, Boris; Novik, Alexey; Leontev, Piotr; Grekov, Ivan; Syrykh, Liudmila; Sokolova, Natalia; Brylkin, Vyacheslav; Panov, Ivan; Kittel, Piotr; Mroczkowska, Agnieszka; Kuznetsov, Denis; Mazurkevich, Andrey; Dolbunova, Ekaterina and Kotrys, Bartosz	Palaeolimnological approach for the reconstruction of environmental changes in the Serteya region (Western Russia) – preliminary results
Kuznetsov, Denis	Organic sedimentation in Lake Ladoga during the Holocene
Leszczyńska, Karolina*; Stattegger, Karl; Szczuciński, Witek; Moskalewicz, Damian and Słowik, Marcin	Catastrophic coastal flooding events along the southern Baltic Sea coast during the Late Holocene
Ludikova, Anna	Diatom-inferred Lake Ladoga preglacial paleoenvironments and its possible connection to the Baltic
Makeev, Alexander*, Rusakov, Alexey; Kurbanova, Fatima; Khokhlova, Olga; Kust, Pavel; Puzanova, Tatiana; Lebedeva, Marina and Denisova, Elizaveta	Landscape response to the Late Holocene climatic cycles at the southern frontier of the forest belt of the Russian Plain
Mleczak, Mateusz	Sedimentological record of glaciofluvial flood (distal part of Gwda sandur, W Poland)
Nitychoruk, Jerzy*; Welc, Fabian; Bińka, Krzysztof; Obremska, Milena; Rogóż, Anna; Zalat, Abdelfattah; Marks, Leszek; Chodyka, Marta; Grudniewski, Tomasz Marek and Zbucki, Łukasz	Climate change, environmental history and Human impact during the Late Holocene inferred from palynological, diatomological and geochemical data from selected lakes in the north-eastern Poland
Papiernik, Piotr; Jankowski, Michał and Forysiak, Jacek*	Impact of pre-historic settlement and natural processes on development of the land surface. The Redecz Krukowy archaeological site (Kuyavia, Central Poland)

Petera-Zganiacz, Joanna*; Dzeduszyńska, Danuta A.; Forysiak, Jacek; Twardy, Juliusz; Milecka, Krystyna and Czerwiński, Bartłomiej	The Late Vistulian record in deposits of the Moszczenica River valley at the Swędów site (Central Poland)
Piotrowski, Andrzej* and Brose, Fritz	Geological effects of a catastrophical flood of salt water - inundation - tsunami in Kolobrzeg in in the light of chronicler's records, N Poland
Piotrowski, Andrzej; Stępień, Grzegorz and Zymunt, Marek*	Bolder stone Tryglaw in Tychowo, Pomeranian North Poland
Piotrowski, Andrzej; Stępień, Grzegorz and Zymunt, Marek*	Stronghold Santok in the light of UAS Photogrammetry
Pisarska-Jamroży, Małgorzata*; Woronko, Barbara; Bujak, Łukasz; Bitinas, Albertas; Belzyt, Szymon and Mleczak, Mateusz	Load casts and pseudonodules as indicative soft-sediment deformation structures of glaciolimnic kames
Ponomarenko, Ekaterina	Holocene paleoenvironment of the Central Baltic Sea based on benthic foraminifera record from the Gotland Basin
Rdzany, Zbigniew* and Frydrych, Małgorzata	Glacial outburst floods in the old glacial landscape zone of the Polish Lowlands
Satkunas, Jonas*; Slavinskiene, Gintare; Slavinskas, Aurimas; Taminskas, Julius and Zanevskij, Zdislav	Springs in Quaternary landscape – source of information on climate change and anthropopression
Semenova, Ljudmila* and Zakharov, Igor	The Boundary of the First Late Pleistocene Glaciation of The European Russia
Shatalova, Angelina E.*; Kublitsky, Yurii A.; Subetto, Dmitry A.; Rosentau, Alar; Ludikova, Anna V.; Sokolova, Natalia V. and Syrykh, Ljudmila S.	Study of the Holocene sea-level changes of the Baltic Sea on the territory of the Karelian Isthmus
Shelekhova, Tatiana	Karelia's ice-divide accumulation uplands
Shvarev, Sergey*; Nikonov, Andrey; Subetto, Dmitry; Zaretskaya, Nataliya and Romanov, Anton	Seismites in the pre- and postglacial sediments of the Karelian Isthmus (Eastern Fennoscandia)
Sokołowski, Robert J.*; Hrynowiecka, Anna; Woronko, Barbara and Moska, Piotr	Oślonino Cliff section, northern Poland - an insight into palaeoclimate conditions during the end of Marine Isotope Stage
Steffen, Holger*; Steffen, Rebekka and Tarasov, Lev	Modelling of glacially-induced stress changes in Latvia, Lithuania and the Kaliningrad District of Russia
Subetto, Dmitry*; Nikonov, Andrey; Shvarev, Sergey; Zaretskaya, Natalya; Napreenko-Dorokhova, Tatyana; Kublitsky, Yurii and Druzhinina, Olga	Role of catastrophic events in the forming of hydrographic networks in the eastern part of the Baltic Sea

Sukhacheva, Elena and Timofeeva, Yulya*	Degradation of soil covers the mining territory of the Leningrad region
Taminskas, Julius; Mikulenas, Vidas; Satkunas, Jonas* and Minkevicius, Vytautas	Trends of development of karstic landscape due to climate factors - case of Lithuania
Tsvirko, Dmitry	Reconstruction of environment and stages of human activity in the Bug river valley in the Holocene in Belarus
Tylmann, Karol*; Moskalewicz, Damian; Woźniak, Piotr Paweł and Moska, Piotr	Sedimentary record of fluvial processes during MIS in central-western Poland
Woźniak, Piotr Paweł*; Belzyt, Szymon; Pisarska-Jamroży, Małgorzata; Nartišs, Māris; Lamsters, Kristaps; Woronko, Barbara and Bitinas, Albertas	Multiple deformed layers in Weichselian lacustrine sediments at Baltmuiža, western Latvia
Woźniak, Piotr Paweł* and Elwirski, Łukasz	The evolution of lithic clast morphology in a debris flow – evidences from subaquatic debrites (Rzucewo, northern Poland)
Zaretskaya, Nataliya*; Panin, Andrei; Simakova, Aleksandra and Kurbanov, Redzhep	Late Glacial in the European North-East: new data and pattern

Arrival to Greifswald: You are advised to book your flights as early as possible since September is still a busy touristic season in Germany. Please keep in mind, that the last train from Berlin to Greifswald leaves Berlin (main station) at 20:32 p.m. and reaches Greifswald (ZOB) at 23:20 p.m. We recommend an earlier train connection to enjoy the ice breaker party.

Return travel: On the 13th of September, our field trip bus leaves the hotel in Neu Sammit at 08:30 a.m. with a short stop at train station Langhagen (arrival 09:00 a.m.). The bus will arrive at Greifswald ZOB (main station) at 11:30 a.m. Possible connection to Berlin: Departure from train station Langhagen at 09:18 a.m. (Regional-Express No. 4357 to Elsterwerda) – Arrival at Berlin Hauptbahnhof (main station) at 11:14 a.m. Possible connection to Rostock and Hamburg: Departure from train station Langhagen at 10:45 a.m. (Regional-Express No 4354 to Rostock) – Arrival at Rostock Hauptbahnhof (main station) at 11:23 a.m. Connecting train from Rostock at 12:44 p.m. (Inter-City No 2213 to Stuttgart) – Arrival at Hamburg Hauptbahnhof (main station) at 14:32 p.m.

With best wishes from Greifswald,

Andreas Börner, Sebastian Lorenz and Heiko Hüneke





Greifswald-Wieck: Terminal bus station "Wieck-Brücke" of bus "Line 2" is at the right. The hostel "Maritimes Jugenddorf Wieck" ("Majuwi") is situated behind the counterpoise bridge.

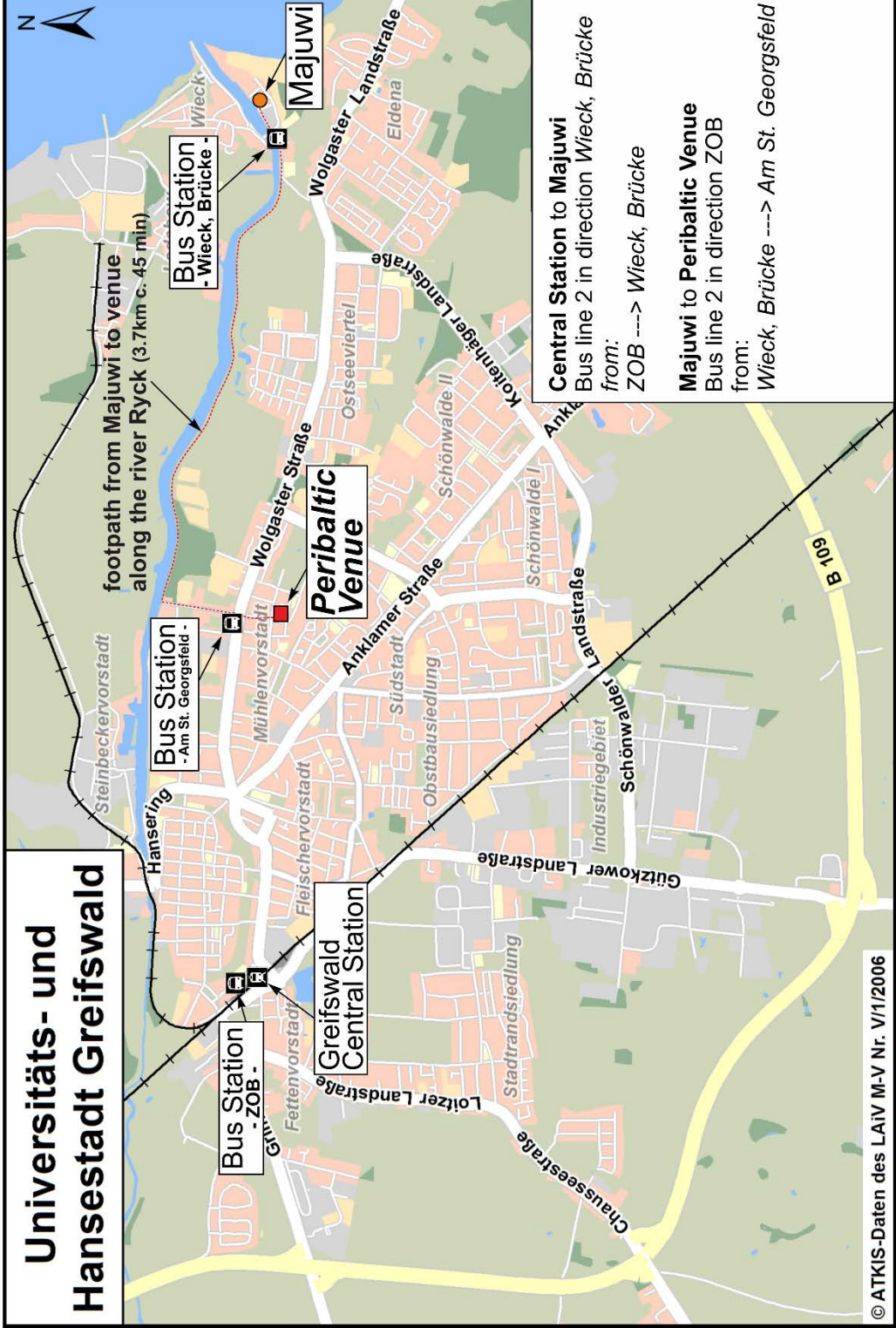


Greifswald-Wieck: Hostel "Majuwi" as seen from the northern side of the river Ryck. Our accommodation facility in Greifswald and the location of the ice breaker party.



Institute of Geography and Geology: Courtyard of the Greifswald University at Jahn-Strasse 17a. Venue of the Peribaltic Working-Group Meeting 2019 and location of the conference party.

Universitäts- und Hansestadt Greifswald



footpath from Majuwi to venue
along the river Ryck (3.7km c. 45 min)

Bus Station
- Am St. Georgsfeld -

Bus Station
- Wieck, Brücke -

**Greifswald
Central Station**

Bus Station
- ZOB -

**Peribaltic
Venue**

Majuwi

Central Station to Majuwi
Bus line 2 in direction *Wieck, Brücke*
from:
ZOB ---> *Wieck, Brücke*

Majuwi to Peribaltic Venue
Bus line 2 in direction ZOB
from:
Wieck, Brücke ---> *Am St. Georgsfeld*

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