

# let's talk about \_\_\_\_\_ global change

forster summer school explores  
\_\_\_\_\_ sustainable future



19 july \_\_\_\_\_  
30 july 2024  
mainz  
germany



# hello!

Are you currently enrolled in a bachelor's, master's or PhD study program and would you like to take the opportunity to establish an international network and participate in interdisciplinary knowledge transfer?

Are you interested in learning more about the dimensions of sustainability - its concepts, conditions and opportunities to shape a sustainable future?

Would you like to exchange perspectives and develop your language and cultural skills?

## If so, then join Forster Summer School!

It is hosted annually by the Faculty of Chemistry, Pharmaceutical Sciences, Geography and Geosciences at the Johannes Gutenberg University Mainz. Each year, scientists from this fields take a closer look at a specific topic from the field of global change and explore various future-based perspectives.



# let's talk about global change!

This year Forster Summer School explores – sustainable future. Concepts, conditions, chances.

The 2030 Agenda was adopted by the global community in 2015. The Sustainable Development Goals (SDGs) were set to enable a decent life worldwide and at the same time preserve the natural foundations of life in the long term. Only 6 years left to achieve these goals.

What must, what can each individual do today and in the future to live sustainably? What sustainable options for action can we realize as a community today and in the future on a regional, global and international level?

## The goal of Forster Summer School:

The Forster Summer School 2024 is dedicated to utopias of global urban development, green chemistry solutions, geothermal energy resources, sustainable trade, food production and distribution as well as sustainable architecture of living and working spaces.

Join us to discuss concepts, conditions and chances for a sustainable future - on a regional, global and international level !



# program overview



DAY	TOPIC
fri, 19 july	ARRIVAL AND GETTING TO KNOW EACH OTHER
sat, 20 july	LANGUAGE AND CULTURAL EXPERIENCE
sun, 21 july	BUILD A TEAM AND EXPLORE THE REGION
mon, 22 july	<u>OPENING – CONCEPTS OF SUSTAINABILITY</u>
tue, 23 july	SUSTAINABLE UTOPIAS AND ENVIRONMENTAL JUSTICE
wed, 24 july	GEOHERMAL ENERGY RESOURCES
thu, 25 july	SUSTAINABLE CHEMISTRY
fri, 26 july	SUSTAINABLE WORK AND LIVING SPACES
sat, 27 july	TRADE, FOOD PRODUCTION AND DISTRIBUTION
sun, 28 july	GROUP PROJECTS AND INDIVIDUAL EXPLORATIONS
mon, 29 july	KEY FINDINGS FOR A SUSTAINABLE FUTURE
tue, 30 july	INDIVIDUAL DEPARTURE



# application

## Why should you participate in Forster Summer School?

### THREE KEY LEARNINGS YOU CAN EXPECT ...

- ... gain an enhanced and holistic perspective on the topic
- ... benefit from interdisciplinary (expert) knowledge
- ... build an international peer network with people from all around the world and take your language and cultural skills to the next level

**DATE** 19 July – 30 July 2024

**WHO MAY APPLY** undergraduate, graduate or postgraduate students

**PARTICIPATION FEE** 60 €\*

**FEE FOR ACCOMODATION/TRANSFER EXCURSIONS** 150 €\*\*

**APPLICATION PERIOD** 20 th February - 21 th April 2024

**DEADLINE** 21 th April, 00:00 CET

apply  
now!

scan or click



\* Arrangement includes: Course fees, catering coffee breaks, cultural program/excursions, farewell dinner.

\*\*Arrangement includes: Accomodation with breakfast in a youth hostel, welcome dinner, transfer for excursions.

Please note: Travel, insurance and visa must be organized and paid independently. Lunch and dinner are at your own cost. There are reasonably priced catering options on campus.

If you have any questions, do not hesitate to contact us:

[international.nullneun@uni-mainz.de](mailto:international.nullneun@uni-mainz.de)

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Faculty of Chemistry,  
Pharmaceutical Sciences,  
Geography and Geosciences



# program details

DATE + TIME	OVERVIEW	DESCRIPTION + SPEAKER	LOCATION
<b>friday, 19 july – arrival and getting to know each other</b>			
09:00 – 18:00	<b>WELCOME</b>	Registration and reception	Youth hostel »Don Bosco«, Mainz
18:00	<b>WELCOME DINNER</b>		Youth hostel
19:30	<b>CONCERT (OPTIONAL)</b>	»Long Night of Music« - Enjoy the summer evening ! —> <i>Mainz School of Music</i>	Campus JGU
<b>saturday, 20 july – language and cultural experience</b>			
10:00 – 13:00	<b>LANGUAGE ANIMATION</b>	Survival-Kit for the stay —> <i>Dr. Sandra Schellack and Miriam Smid</i>	Naturwissenschaftliche Fakultät (NatFak), Room 07-232, Campus JGU
13:00 – 14:30	<b>LUNCH BREAK</b>	Self-organised	City center, Mainz
15:00 – 16:30	<b>CITY TOUR</b>	MeenzGlobal - Sustainable city rally —> <i>Actionbound Small Groups</i>	City center, Mainz
	<b>FREE TIME</b>		City center, Mainz
19:00	<b>DINNER</b>	Self-organised or »Weinhaus Lösch« (at your own cost)	City center, Mainz
<b>sunday, 21 july – build a team and explore the region</b>			
	<b>TRANSFER</b>		
10:30 – 13:00	<b>CULTURAL VISIT</b>	Rafting Tour UNESCO World Heritage Upper middle Rhine valley	Rhine river
13:00 – 14:30	<b>LUNCH BREAK</b>	Self-organised	
14:30	<b>CULTURAL VISIT</b>	Towns/castles on the Rhine (self-organised)	Rhine river

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<b>monday , 22 july – <u>opening</u>: concepts of sustainability</b>			
09:30 – 10:00	<b>OFFICIAL WELCOME</b>	Opening words —→ <i>Managing Director of Faculty</i> —→ <i>Deputy Managing Director of Faculty</i> —→ <i>Head of International Office, JGU</i>	NatFak, Room 07-232, Campus JGU
10:00 – 11:00	<b>PRESENTATION AND EXCHANGE OF IDEAS</b>	Opening-Pitches on content interests, motivation and goal setting —→ <i>Students</i> —→ <i>Prof. Dr. Gottschlich, Koblenz University of Applied Sciences of Social Design</i> —→ <i>Dr. Seelos, Institute of Geosciences, JGU</i>	NatFak, Room 07-232, Campus JGU
11:00 – 11:15	<b>COFFEE BREAK</b>		
11:15 – 11:45	<b>IMPULSE LECTURE AND DISCUSSION</b>	What is sustainability? Dimensions of sustainability from natural and social science perspectives »Is it possible to transfer raw material circles into sustainable processes?« —→ <i>Dr. Seelos, Institute of Geosciences, JGU</i>	NatFak, Room 07-232, Campus JGU
12:00 – 13:20	<b>LUNCH BREAK</b>		Campus JGU
13:30 – 15:00	<b>LECTURE AND DISCUSSION</b>	»Sustainability as a multidimensional concept of justice« —→ <i>Prof. Dr. Gottschlich, University of Applied Sciences of Social Design, Koblenz</i>	NatFak, Room 07-232, Campus JGU
15:00 – 15:30	<b>COFFEE BREAK</b>		Campus JGU
15:30 – 16:30	<b>CAMPUS TOUR</b>	—→ <i>Student assistants</i>	Campus JGU
18:00	<b>DINNER</b>	Self-organised	

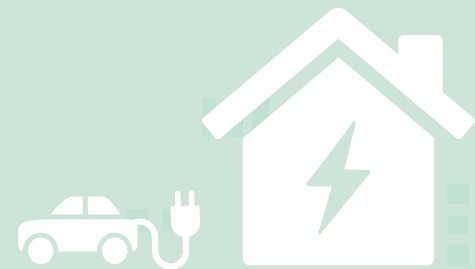
# program details



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9:30 – 11:00	<b>LECTURE AND DISCUSSION</b>	»Sustainable utopias« —> <i>Prof. Dr. Cummings, Institute of Geography, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
12:00 – 13:30	<b>LUNCH BREAK</b>	Self-organised	
13:30 – 15:30	<b>SCIENTIFIC PROGRAM</b>	»Future Modul @ JGU - How can you solve the climate crisis?« —> <i>Timo Graffe, Zukunftsnetzwerk</i> —> <i>Christian Große, Zukunftsnetzwerk</i>	NatFak, Room 07-232, Campus JGU
18:00	<b>FREE EVENING</b>		

## wednesday, 24 july – geothermal energy resources

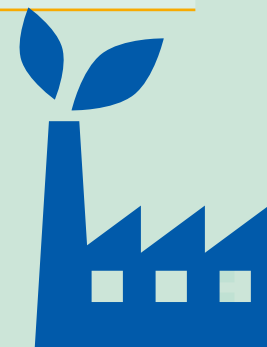
9:30 – 11:30	<b>LECTURE AND DISCUSSION</b>	»Geothermal energy resources« —> <i>Dr Seelos, Institute for Geosciences, JGU Mainz</i> —> <i>Prof. Dr. Toy, Institute for Geosciences, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
11:50	<b>SNACK &amp; TRANSFER</b>		
14:00 – 15:00	<b>SCIENTIFIC VISIT</b>	»Tiny House, Roof Greening, Ice Storage System Campus Technical University of Applied Sciences« —> <i>Dr. Seelos/Jonas Alef</i>	University of Applied Sciences, Campus Budesheim
15:30	<b>VISIT (OPTIONAL)</b>	Campus / Bingen on the Rhine	Bingen





# program details

DATE + TIME	OVERVIEW	DESCRIPTION + SPEAKER	LOCATION
<b>thursday, 25 july – sustainable chemistry – a resource-efficient science</b>			
9:30 – 10:15	<b>LECTURES AND DISCUSSIONS</b>	»Terpenes as biobased feedstock for novel materials« —> <i>Prof. Dr. Frey, Department of Chemistry, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
10:15 – 11:00		»Materials chemistry for energy technologies« —> <i>Prof. Dr. Streb, Department of Chemistry, JGU Mainz</i>	
11:00 – 11:15	<b>COFFEE BREAK</b>		
11:15 – 12:00		»Photochemistry with non-noble materials« —> <i>Prof. Dr. Heinze, Department of Chemistry, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
12:00 – 12:30		»Chemistry with light - challenges and opportunities for energy conversion and sustainable chemical reactions« —> <i>Prof. Dr. Kerzig, Department of Chemistry, JGU Mainz</i> —> <i>Ph. D. Student Schmitz/Ph.D. Student Zähringer, Kerzig Group, Department of Chemistry, JGU Mainz</i>	
12:45 – 13:30	<b>LUNCH BREAK</b>	Self-organised	
13:30 – 14:15	<b>LABORATORY VISIT</b>	»Time-resolved optical spectroscopy« —> <i>Ph. D. Student Schmitz/Ph.D. Student Zähringer, Kerzig Group, Department of Chemistry, JGU Mainz</i>	Department of Chemistry, Campus-JGU
14:45 – 16:00	<b>LECTURE AND DISCUSSION</b>	»Planetary Emergency: Change by design or change by disaster« —> <i>Prof. Dr. Seiffert, Department of Chemistry, JGU Mainz</i>	Department of Chemistry
16:00 – 17:00	<b>LABORATORY VISIT</b>	»Physical Chemistry of Polymers« —> <i>Dr. Moritz Susewind, Department of Chemistry, JGU</i>	Department of Chemistry
18:00	<b>DINNER</b>	Self-organised	



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DATE + TIME	OVERVIEW	DESCRIPTION + SPEAKER	LOCATION
<b>friday, 26 july – sustainable work and living spaces</b>			
09:30 – 11:00	<b>LECTURE AND DISCUSSION</b>	»Landscape architecture and sustainable urban design« → <i>Prof. Dr. Dieterle, University of Applied Sciences, Frankfurt</i>	NatFak, Room 07-232, Campus JGU
11:00 – 11:15	<b>COFFEE BREAK</b>		
11:15 – 12:15	<b>INTRODUCTION GROUP PROJECTS</b>	»From labels to local practise? Exploring Mainz as a „Fairtrade town“« → <i>Jun.-Prof. Dr. Brinks, Institute of Geography, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
	<b>TRANSFER LUNCH BREAK</b>		
15:00	<b>SCIENTIFIC VISIT</b>	»High-rise buildings in the city of Frankfurt am Main - sustainable urban development concepts« → <i>Frankfurter Architekten</i>	Frankfurt am Main
	<b>FREE AFTERNOON VISIT (OPTIONAL)</b>	Explore the city of Frankfurt	Frankfurt am Main
<b>saturday, 27 july – trade, food production and distribution</b>			
10:00	<b>GROUP PROJECTS</b>	»From labels to local practise? Exploring Mainz as a „Fairtrade town“«	City Center of Mainz
12:30	<b>LUNCH BREAK</b>	Proposal: Visit of the local market / Picnic on the Rhine river (self-organised)	City Center of Mainz
	<b>GROUP PROJECT FREE TIME</b>		City Center of Mainz
18:00	<b>INTERNATIONAL EVENING</b>	Intercultural exchange, international music, culinary specialities from all over the world	City Center of Mainz



# program details



DATE + TIME	OVERVIEW	DESCRIPTION + SPEAKER	LOCATION
<b>sunday, 28 july – group projects and individual explorations</b>			
	<b>FREE TIME</b>	Deepen your group project and explore the Rhineland and Rhine-Hesse	Mainz and surrounding area
<b>monday, 29 july – key findings for a sustainable future</b>			
09:30 – 10:30	<b>PRESENTATION GROUP WORK</b>	»From labels to local practise? Exploring Mainz as a „Fairtrade town“« Moderation: <i>Jun.-Pof. Dr. Brinks, Institute of Geography, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
10:30 – 10:45	<b>COFFEE BREAK</b>		
10:45 – 11:15	<b>PRESENTATION GROUP WORK</b>	»From labels to local practise? Exploring Mainz as a „Fairtrade town“« Moderation: <i>Jun.-Pof. Dr. Brinks, Institute of Geography, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
11:15 – 12:45	<b>WRAP-UP SESSION</b>	Evaluation → <i>Dr. Schellack and Katharina Kolb</i>	NatFak, Room 07-232, Campus JGU
12:45	<b>FAREWELL LUNCH FREE AFTERNOON</b>		NatFak, Room 07-232, Campus JGU
<b>tuesday, 30 july – individual departure</b>			
10:00	<b>CHECK-OUT</b>	Room tidying and key return	Youth hostel »Don Bosco«, Mainz



