

# 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 these 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 ECOLOGICAL 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** 300 €\*\*

**APPLICATION PERIOD** 20 th February - 14 th April 2024

**DEADLINE** 14 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 »Don Bosco«, Mainz
<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>GUIDED TOUR</b>	Sustainable city tour → <i>Guide »Students For Future Mainz«</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>	Canoe tour	One of the region's rivers
13:00 – 14:30	<b>LUNCH BREAK</b>	Self-organised	
14:30 – 16:30	<b>VISIT (OPTIONAL)</b>	Locations on the Main/Rhine river /castles	
19:00	<b>DINNER</b>	Self-organised	

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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>Dean of the Faculty</i> —→ <i>Head of International Office, JGU</i>	NatFak, Room 07-232, Campus JGU
10:00 – 10:45	<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. Plien, Institute of Geography, JGU</i> —→ <i>Dr. Seelos, Institute of Geosciences, JGU</i>	NatFak, Room 07-232, Campus JGU
10:45 – 11:00	<b>COFFEE BREAK</b>		
11:00 – 12:00	<b>IMPULSE LECTURES 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> »Title will be published« —→ <i>Dr. Plien, Institute of Geography, JGU</i>	NatFak, Room 07-232, Campus JGU
12:00 – 13:30	<b>LUNCH BREAK</b>	Self-organised	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>	
18:00	<b>DINNER</b>	Self-organised	

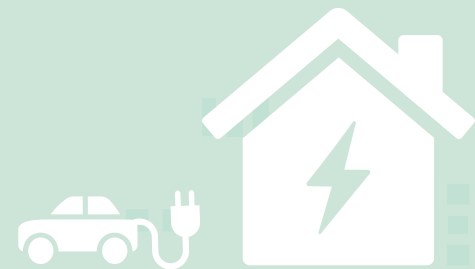
# program details



DATE + TIME	OVERVIEW	DESCRIPTION + SPEAKER	LOCATION
<b>tuesday, 23 july – sustainable utopias and ecological justice</b>			
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>	Will be published	
18:00	<b>CONCERT (OPTIONAL)</b>	—> <i>Mainz School of Music</i>	Campus JGU

## wednesday, 24 july – geothermal energy resources

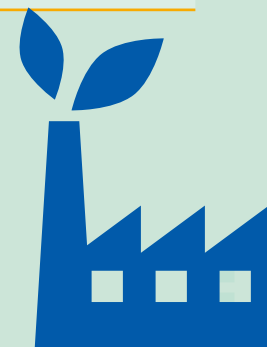
9:30 – 11:30	<b>LECTURE AND DISCUSSION</b>	»Geothermal energy resources« —> <i>Dr Seelos, Institute for Geosciences, JGU Mainz</i> —> <i>Prof. Dr. Toy, Institute for Geosciences, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
12:00	<b>LUNCH BREAK</b>		
15:00 – 17:00	<b>TRANSFER / SCIENTIFIC VISIT</b>	»Tiny House, Campus Technical University of Applied Sciences« —> <i>N.N.</i>	Campus Bingen
17:00	<b>VISIT (OPTIONAL)</b>	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>N.N.</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>	»Sustainable Cities: just - productive - healthy« —> Prof. Dr. Dieterle, University of Applied Sciences, Frankfurt	NatFak, Room 07-232, Campus JGU
11:00 – 11:15	<b>COFFEE BREAK</b>		
11:15 – 12:15		Mainz as a fair trade town and experiences of sustainability in my city of origin / my study city —> Jun.-Prof. Dr. Brinks, Institute of Geography, JGU Mainz	
	<b>TRANSFER LUNCH BREAK</b>		Vegetarian restaurant
14:30 / 15:00	<b>SCIENTIFIC VISIT</b>	»Alnatura working environment: Europe's largest office building made of clay« —> N.N.	Darmstadt
	<b>FREE AFTERNOON VISIT (OPTIONAL)</b>	UNESCO World Heritage Mathildenhöhe, »Waldspirale - designed by Hundertwasser«	Darmstadt
<b>saturday, 27 july – trade, food production and distribution</b>			
10:00	<b>GROUP PROJECTS</b>	Mainz as a fair trade town - Experiences of sustainability in my city of origin/study city	Mainz
12:00 – 13:30	<b>LUNCH BREAK</b>	Proposal: Visit of the local market / Picnic on the Rhine river	City center
	<b>GROUP PROJECT FREE TIME</b>		
18:00	<b>INTERNATIONAL EVENING</b>	Intercultural exchange, international music, culinary specialities from all over the world	<u>Mainz</u>



# 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 – 12:00	<b>WRAP-UP SESSION PRESENTATION GROUP WORK</b>	Mainz as a fair trade town and experiences of sustainability in my city of origin / my study city Moderation: <i>Jun.-Prof. Dr. Brinks, Institute of Geography, JGU Mainz</i>	NatFak, Room 07-232, Campus JGU
12:00 – 13:00	<b>LUNCH BREAK</b>		
13:30 – 15:00	<b>EVALUATION</b>	→ <i>Dr. Schellack and Katharina Kolb</i>	NatFak, Room 07-232, Campus JGU
18:00	<b>FAREWELL DINNER</b>		
<b>tuesday, 30 july – individual departure</b>			
10:00	<b>CHECK-OUT</b>	Room tidying and key return	Youth hostel »Don Bosco«, Mainz



