

Sustainability Summer School		A different kind of MIND MAP	
OST + HKA + TUB		DRAFT - changes may occur	
Project Leaders		Date of this version	
Prof. Dr. Michael Kauffeld and Dr. Mihaela Dudita Kauffeld		07.02.2024	

Monday 09.09.2024			
Time	Responsible	Affiliation	Subject
08:00 - 08:45	Rector HKA + Michael Kauffeld	HKA	Opening and welcome
08:45 - 09:30	Andrea Bühler	City Karlsruhe	Welcome from Karlsruhe, Sustainable projects in Karlsruhe
09:30 - 09:50			Coffee Break
09:50 - 10:35	Henrik Nordborg	OST	Global Climate Compensation
10:35 - 11:20	André Podleisek	OST	Sustainability and Quality in Industry, perhaps Net Zero and Circular Business Models.
11:20 - 11:30			Coffee Break
11:30 - 12:15	Jasmin Joshi	OST	Biodiversity and nature based solutions
12:15 - 13:00	Corinna Eussner + Andrea Bühler	HKA/Wifö	InspirINC@ / Hackathon Teenagers - involving the young generation
13:00 - 14:00	Mensa		Lunch break
14:00 - 14:45	Frank Hoffmann	Wildpfade	Waldschule Teambuilding
14:45 - 15:30	Frank Hoffmann	Wildpfade	Waldschule Teambuilding
15:30 - 16:00	Frank Hoffmann	Wildpfade	Waldschule Teambuilding
16:00 - 16:45	Frank Hoffmann	Wildpfade	Waldschule Teambuilding
16:45 - 17:00	Frank Hoffmann	Wildpfade	Waldschule Teambuilding
17:00 - 18:30	all	Waldklassenzimmer	Optional: Bread on sticks (Stockbrot)
19:00 - 19:45	Tunay Özcan	HKA	Barbecue at Fireplace at HKA
19:45 - 20:30	Tunay Özcan	HKA	Barbecue at Fireplace at HKA

Tuesday 10.09.2024 Refrigeration, Heat Pumps, Thermal Storage			
Time	Responsible	Affiliation	Subject
08:00 - 08:45	Michael Kauffeld		Sustainable refrigeration and heat pump technology
08:45 - 09:30	Oliver Schmid		SophiA refrigeration systems
09:30 - 09:50			Coffee Break
09:50 - 10:35		Danfoss or OST	Sector coupling
10:35 - 11:20			Break
11:20 - 11:30			Break
11:30 - 12:15	Mihaela Dudita-Kauffeld	OST	Seasonal energy storage
12:15 - 13:00	Michael Kauffeld	HKA	Ice slurry as thermal energy storage media
13:00 - 14:00	Mensa		Lunch break at KIT Mensa
14:00 - 14:45	Michael Kauffeld		Visit refrigeration system at Mensa KIT
14:45 - 15:30	Michael Kauffeld		Visit refrigeration system at Mensa KIT
15:30 - 16:00			Coffee break
16:00 - 16:45	Michael Kauffeld + Tunay Özcan		Exercises in Refrigeration Lab
16:45 - 17:30	Michael Kauffeld + Tunay Özcan		Exercises in Refrigeration Lab
17:30 - 19:00	all		Break + Dinner
19:00 - 19:45	Evening lecture		
19:45 - 20:30	Evening lecture		

Wednesday 11.09.2024 Electro mobility, electrochemical storage, Lithium			
Time	Responsible	Affiliation	Subject
08:00 - 08:45	Karsten Pinkwart	HKA	Hydrogen
08:45 - 09:30	Maurice Kettner + NN	HKA + GEA	Ammonia as hydrogen carrier
09:30 - 09:50			Coffee Break
09:50 - 10:35	Olivier Schecker	HKA	Battery technology
10:35 - 11:20	Heiner Menzel	Vulkan	Lithium from geothermal water
11:20 - 11:30			Break
11:30 - 12:15	Olivier Schecker, Philipp Nenninger, Maurice Kettner	HKA	Battery lab, Rollenprüfstand, IEEM Lab
12:15 - 13:00	Olivier Schecker, Philipp Nenninger, Maurice Kettner	HKA	Battery lab, Rollenprüfstand, IEEM Lab
13:00 - 14:00			Lunch break in the bus
14:00 - 14:45	Heiner Menzel		Insheim
14:45 - 15:30	Heiner Menzel		Landau
15:30 - 16:00			Coffee break
16:00 - 16:45	Michael Kauffeld + Reiner Kriesten		Daimler trucks, Würth
16:45 - 17:30	Michael Kauffeld + Reiner Kriesten		Daimler trucks, Würth
17:30 - 19:00			Dinner at Stellantis
19:00 - 19:45			Group work / discussions
19:45 - 20:30			

Thursday 12.09.2024 Water engineering and water cleaning			
Time	Responsible	Affiliation	Subject
08:00 - 08:45	Jan Hoinkis, HKA	HKA	SophiA water purification
08:45 - 09:30	Jan Hoinkis, HKA	HKA	SophiA water purification
09:30 - 09:50			Coffee Break
09:50 - 10:35	Elke Petersson + Alexander Grieb		Water services in the Global South
10:35 - 11:20	Elke Petersson + Alexander Grieb		Water services in the Global South
11:20 - 11:30			Break
11:30 - 12:15			Water circle and grey water
12:15 - 13:00			Water circle and grey water
13:00 - 14:00	Lunchbox on tour to Linth area		Lunch break
14:00 - 14:45	Elke Petersson + Michael Gebhardt	HKA	Visit test lab of Federal Waterways Engineering and Research Institute
14:45 - 15:30	Elke Petersson + Michael Gebhardt	HKA	Visit test lab of Federal Waterways Engineering and Research Institute
15:30 - 16:00			Coffee break
16:00 - 16:45	Elke Petersson	HKA	
16:45 - 17:00	Elke Petersson	HKA	
17:00 - 17:45	all		Break + Dinner
17:45 - 19:45	Mihaela Dudita-Kauffeld, Kanchan		Group work / discussions
19:45 - 20:30	Mihaela Dudita-Kauffeld, Kanchan Bohara		Sustainability at your university"

Friday 13.09.2024 Global Warming			
Time	Responsible	Affiliation	Subject
08:00 - 08:45			
08:45 - 09:30	Kanchan Bohara	OST	Life cycle assessment with an example from SophiA
09:30 - 09:50			Coffee Break
09:50 - 10:35	Group 1		Summarize Sustainability Day (Monday) + case study
10:35 - 11:20	Group 2		Summarize Refrigeration day (Tuesday) + case study
11:20 - 11:30			Break
11:30 - 12:15	Group 3		Summarize E-mobility day (Wednesday) + case study
12:15 - 13:00	Group 4		Summarize Water day (Thursday) + case study
13:00 - 14:00			Lunch break
14:00 - 14:45	Olivier Schecker, Maurice Kettner	HKA	Build up the Climate Fresk in a team
14:45 - 15:30	Olivier Schecker, Maurice Kettner	HKA	Build up the Climate Fresk in a team
15:30 - 16:00			Coffee break
16:00 - 16:45	Olivier Schecker, Maurice Kettner	HKA	Summarize what you have learned and choose a title for your fresk
16:45 - 17:30	Olivier Schecker, Maurice Kettner	HKA	See where we stand and share feelings, thoughts, ideas and actions to create a better future
17:30 - 19:00	all		Break + Dinner
19:00 - 19:45	all		Group work presentations "Sustainability at your university"
19:45 - 20:30	all		Wrap up - feedback on summer school