

Sustainability Summer School**OST + HKA + TUB**

Project Leaders

Dr. Mihaela Dudita Kauffeld and Prof. Dr. Michael Kauffeld

A different kind of MIND MAP

DRAFT - changes may occur

Date of this version

12.07.2022www.ost.ch/summer-school

Monday 25.07.2022 Sustainability						
Time	Responsible	No.	Theme	Subject	Room	Remarks
08:00 - 08:45	Davood Farshi (OST) + Michael Kauffeld (HKA)	L1	Lecture	Opening and welcome	OST 3.010	
08:45 - 09:30	Roxana Cargeac	L2	Lecture	Cover the Earth before it covers You	OST 3.010	
09:30 - 09:50				Coffee Break	OST 3.000b	
09:50 - 10:35	Doris Hauser, forma futura (HSR graduate)	L5	Lecture	Companies and Finance in the Light of Sustainability	OST 3.010	Doris was the first female electrical engineering student at OST
10:35 - 11:20	Doris Hauser, forma futura (HSR graduate)	L6	Workshop	Companies and Finance in the Light of Sustainability	OST 3.010	
11:20 - 11:30				Coffee Break	OST 3.000b	
11:30 - 12:15	Steffen Kinkel, HKA	L3	Lecture	Sustainable Supply Chains	OST 3.010	supported by Astrid Hügli --> Jeans production with strings
12:15 - 13:00	Steffen Kinkel, HKA	L4	Lecture	Sustainable Supply Chains	OST 3.010	
13:00 - 14:00	Mensa			Lunch break	OST Mensa	
14:00 - 14:45	Lars Handschin	A1	Activity	Shiatsu - boost your internal energy level	Lakeshore	In case of rain, Room in Building 8
14:45 - 15:30	Lars Handschin	A2	Activity	Shiatsu - boost your internal energy level	Lakeshore	In case of rain, Room in Building 8
15:30 - 16:00				Coffee break	Shore	
16:00 - 16:45	Lars Handschin	A2	Activity	Renewable Energy for body and soul	Lakeshore	In case of rain, Room in Building 8
16:45 - 17:30	Lars Handschin	A2	Activity	Renewable Energy for body and soul	Lakeshore	In case of rain, Room in Building 8
17:30 - 19:00	all		Relax	Break + Dinner		Grill at Lake Shore, in case of rain, dinner at Rossini
19:00 - 19:45	Laurin Hilfiker, OST	KL1	Keynote Lecture	Students and sustainability at OST	OST 3.010	
19:45 - 20:30	Erik Turner, Sustainability Week International	KL2	Keynote Lecture	Go sustainable - be an inspiration!	OST 3.010	https://sustainability-week.org/

Tuesday
26.07.2022
Living Environment / District Development

Time	Responsible	No.	Theme	Subject	Room	Remarks
08:00 - 08:45	Michael Kauffeld / Sebastian Gunt, HK ^A	L7	Lecture	Sustainable refrigeration and heat pump technolog	OST 3.010	Sustainable refrigeration and heat pump
08:45 - 09:30	Maike Schubert, OST	L8	Lecture	TRI-HP: Heat pumps with natural refrigerants	OST 3.010	
09:30 - 09:50				Coffee Break	OST 3.000b	
09:50 - 10:35	Kanchan Bohara / Florian Ruesch, OST	L9	Lecture	Solar Active Houses	OST 3.010	Project SensOpt
10:35 - 11:20	Neha Dimri / Daniel Zenhäusern (online), OST	L10	Lecture	Energy Neighbourhoods	OST 3.010	Project OptimEase, SolHood
11:20 - 11:30				Break	OST 3.000b	
11:30 - 12:15	Daniel Zenhäusern / Yvonne Bäuerle, OST	L11	Lecture	Solar collector technologies in the last 40 year:	OST 3.010	
12:15 - 13:00	Heike Hoedt, Simply Solar	L12	Lecture	SophiA solar technologies - Planning and designin	OST 3.010	
13:00 - 14:00	Mensa			Lunch break	Mensa	
14:00 - 14:45	Mihaela Dudita	A5	Activity	Visit at OST Campus (4 Stations: SPF Solar Roof, Biodiversity at OST, Water Lab)	OST	SPF Solar Roof: Dani Z. Biodiversity at OST: Jasmine Joshi Water Lab: Dany Suter, Davood Farshi Sustainable traffic / Aluminium storage
14:45 - 15:30	Mihaela Dudita	A6	Activity	Visit at OST Campus (4 Stations: SPF Solar Roof, Biodiversity at OST, Water Lab)	OST	SPF Solar Roof: Dani Z. Biodiversity at OST: Jasmine Joshi Water Lab: Dany Suter, Davood Farshi Sustainable traffic / Aluminium storage
15:30 - 16:00				Coffee break	Shore	
16:00 - 16:45	Mihaela Dudita	A7	Activity	Visit at OST Campus (4 Stations: SPF Solar Roof, Biodiversity at OST, Water Lab)	OST	SPF Solar Roof: Dani Z. Biodiversity at OST: Jasmine Joshi Water Lab: Leon and Susanne Kytzia Sustainable traffic / Aluminium storage
16:45 - 17:30	Mihaela Dudita	A8	Activity	Visit at OST Campus (4 Stations: SPF Solar Roof, Biodiversity at OST, Water Lab)	OST	SPF Solar Roof: Dani Z. Biodiversity at OST: Jasmine Joshi Water Lab: Dany Suter, Davood Farshi Sustainable traffic / Aluminium storage
17:30 - 19:00	all		Relax	Break + Dinner		
19:00 - 19:45	Joachim Schadt	KL3	Keynote Lecture	Heat pumps - boosting low temperature solar energ	OST 3.010	Air, soil and surface water are all heated by
19:45 - 20:30	Joachim Schadt	KL4	Keynote Lecture	Heat pumps - boosting low temperature solar energ	OST 3.010	

Wednesday		Sustainable Water				
		27.07.2022				
Time	Responsible	No.	Theme	Subject	Room	Remarks
08:00 - 08:45	Jan Hoinkis, HKA	L13	Lecture	SophiA water purification	OST 3.010	
08:45 - 09:30	Jan Hoinkis, HKA	L14	Lecture	SophiA water purification	OST 3.010	
09:30 - 09:50				Coffee Break	OST 3.000b	
09:50 - 10:35	OST Wasser Cluster	L15	Lecture	Water services in the Global South	OST 3.010	
10:35 - 11:20	OST Wasser Cluster	L16	Lecture	Water services in the Global South	OST 3.010	
11:20 - 11:30				Break	OST 3.000b	
11:30 - 12:15	Roxana Cargeac, Toastmaster Brasov	L17	Lecture	Public speaking	OST 3.010	
12:15 - 13:00	Roxana Cargeac, Toastmaster Brasov	A9	Lecture	Public speaking	OST 3.010	
13:00 - 14:00	Lunchbox on tour to Linth area			Lunch break	to go	
14:00 - 14:45	Leon Wörle, OST + Elke Petersson, HKA	E1	Excursion	Water engineering workshop	Lakeshore	Linth Ebene, Linth Kanal, Renaturierung
14:45 - 15:30	Leon Wörle, OST + Elke Petersson, HKA	E2	Excursion	Water engineering workshop	Lakeshore	Renaturing creeks and rivers
15:30 - 16:00				Coffee break	Shore	
16:00 - 16:45	Leon Wörle, OST + Elke Petersson, HKA	E3	Excursion	Water engineering workshop	Lakeshore	Renaturing creeks and rivers
16:45 - 17:30	Leon Wörle, OST + Elke Petersson, HKA	E4	Excursion	Water engineering workshop	Lakeshore	Renaturing creeks and rivers
17:30 - 19:00	all		Relax	Break + Dinner	Pfadiheim	
19:00 - 19:45	Lukas Füglistner, Kanchan Bohara, Roxana Cargeac	GW1	Group Work	Group work / discussions	Pfadiheim	
19:45 - 20:30	Lukas Füglistner, Kanchan Bohara, Roxana Cargea	GW2	Group Work	"Sustainability at your university"	Pfadiheim	

Thursday		Hydro Power + energy				
		28.07.2022				
Time	Responsible	No.	Theme	Subject	Room	Remarks
08:00 - 08:45	Paul Borza, TUB	L19	Lecture	Biology inspired electrical energy storage	OST 3.010	
08:45 - 09:30	Sebastian Gund, HKA	L20	Lecture	Thermal energy storage	OST 3.010	
09:30 - 09:50				Coffee Break	OST 3.000b	
09:50 - 10:35	Luca Schmidlin, OST	L21	Lecture	Power to X	OST 3.010	
10:35 - 11:20	Luca Schmidlin, OST	SV2	Site visit	Power to X	OST 3.010	
11:20 - 11:30				Break		
11:30 - 12:15	Yvonne Bäuerle, OST	L23	Lecture	Aluminium for seasonal storage of heat and electricity	OST 3.010	
12:15 - 13:00	Elke Petersson, HKA	L24	Lecture	Pumped hydro	OST 3.010	
13:00 - 14:00	Lunchbox on tour			Lunch break	Geberit	
14:00 - 14:45	Mihaela Dudita (via Susanne Kytzia	TV1	Meeting	Geberit technical visit	Geberit	Meeting point: 14.00 Uhr, Haupteingang,
14:45 - 15:30	Mihaela Dudita (via Susanne Kytzia	TV2	Meeting	Geberit technical visit	Geberit	Participants to be splitted in 2 groups
15:30 - 16:00				Coffee break	Shore	
16:00 - 16:45	Kanu Club RJ	A15	Activity	Dragon boats	Lake	Meeting point: Kanu Club RJ
16:45 - 17:00	Kanu Club RJ	A16	Activity	Dragon boats	Lake	Sail with dragon boats to Lützelau
17:00 - 17:45	all		Swimming at	Break	Lake	
17:45 - 19:45	all	D1	Dinner	Have fun, enjoy delicious food, healthy food and inspiring	Lützelau	Music from Funkaroc
19:45 - 20:30	all	D2	Dinner	music	Lützelau	Return with Dragon boats

Friday 29.07.2022 Wind Energy and Closing						
Time	Responsible	No.	Theme	Subject	Room	Remarks
08:00 - 08:45	Elke Petersson	L25	Lecture	Wind Energy	OST Aula	
08:45 - 09:30	Elke Petersson	L26	Lecture	Wind Energy	OST Aula	
09:30 - 09:50				Coffee Break	OST Aula Foyer	Outdoor, if the weather is nice
09:50 - 10:35	Enercon - online c/o Elke	L27	Lecture	Kite Power for ships	OST Aula	
10:35 - 11:20	Enercon - online c/o Elke	L28	Lecture	Kite Power for ships	OST Aula	
11:20 - 11:30				Break	OST Aula Foyer	Outdoor, if the weather is nice
11:30 - 12:15	Carsten Hagedorn, OST c/o Elke	L29	Lecture	Sustainable mobility	OST Aula	www.postfossilcities.ch
12:15 - 13:00	Carsten Hagedorn, OST c/o Elke	L30	Lecture	Sustainable mobility	OST Aula	
13:00 - 14:00				Lunch break	Mensa	
14:00 - 14:45	Astrid Huegeli MSc ETH EEIT	W5	Workshop	Build up the Climate Fresk in a team	OST Aula	4-8 participants per team
14:45 - 15:30	Astrid Huegeli MSc ETH EEIT	W6	Workshop	Build up the Climate Fresk in a team	OST Aula	4-8 participants per team
15:30 - 16:00				Coffee break	Shore	Outdoor, if the weather is nice
16:00 - 16:45	Astrid Huegeli MSc ETH EEIT	W7	Workshop	Summarize what you have learned and choose a title for your fresk	OST	4-8 participants per team
16:45 - 17:30	Astrid Huegeli MSc ETH EEIT	W8	Workshop	See where we stand and share feelings, thoughts, ideas and actions to create a better future	OST	4-8 participants per team
17:30 - 19:00	all		Relax	Break + Dinner		Lake Shore, in case of rain, dinner at Rossini
19:00 - 19:45	all	S1	Summary	Group work presentations "Sustainability at your university"	Aula	
19:45 - 20:30	all	S2	Summary	Closing ceremony (wrap up - feedback on summer school)	Aula	