AWCMC 2025 Detail programme

Away from Låsby Kro
Examination
Common programme

Date	Day	Session	Module	Time	Main presenter	Where	Topic	Responsible
		Afternoon/ Evening		Ca. 17.00	Michael, Uffe, Thomas	Låsby	Welcome and practical infomation	AVK, AU m.fl.
10	Sunday	Evening		18.00-19.00	Låsby Kro	Låsby	Dinner	
11	Monday	Morning	Track A	08:00-08:15	Uffe S Thomsen	Låsby	Introduction to the program of today	AU
				08:15-09:00	Frederikke Hansen og Martin Kynde	Låsby	Groundwater mapping in Denmark - A historic perspective	Danish Environmental Protection Agency (EPA)
				09:00-09:10	Break	Låsby		
				09:10-09:45	Flemming Fogh Pedersen	Låsby	Groundwater and drinking water in an international perspective	Aarhus Vand
				09:45-10:05	---	Låsby	*Break*	
				10:05-10:45	Ole Rønø Clausen	Låsby	Geology in Denmark and the impact on the groundwater system	Geoscience Aarhus
				10:45-11:20	Anders Vest	Låsby	The water cycle - From raindrops on the landsurface to aquifers to consumers	Geoscience Aarhus
				11:20-11:50	Anders Vest	Låsby	Aquifers, aquitards, waterlevels and pressure gradients	Geoscience Aarhus
				11:50-12:00	Break	Låsby		
				12:00-13:00	Låsby Kro	Låsby	Lunch	
		Afternoon	Track A	13:00-13:05	Uffe S Thomsen	Låsby	Introduction to the program of today	AU
				13:15-14:00	Bo Vægter	Låsby	Indvindingsansøgning AaV. Et eksempel.	Aarhus Vand
				14:00-14:50	Tina Moeslund	Låsby	Waterchemistry and polutants	Niras
				14:50-15:00	---	*Låsby*	*Break*	
				15:00-16:00	Thomas Bager Rasmussen	Låsby	Introduction to geologic models. Concepts, output examples etc.	
				16:00-17:45	Anders Damsgaard, GEUS	Låsby	Wells - introduction to drilling methods and soil samples	
				17:45-18:00	Uffe S Thomsen		Summing up	
		Evening		18.00-19.00	Låsby Kro	Låsby	Dinner	
				19.00-21.00	Simon Fodor Haarbo	Låsby og sorroundings	Låsby/Skovby/Water cycle	Skanderborg forsyning
12	Tuesday	Morning	Track A	08:15-08:20	Uffe S Thomsen	Låsby	Introduction to the program of today	AU
				08:20-09:15	Thomas Bager Rasmussen	Låsby	Surface- and subsurface data: Data fra undergrunden. Typer og anvendelsesmuligheder	
				09:15-10:10	Niels Claes	Låsby	Groundwater models - an introduction: Hvad er en grundvandsmodel og hvordan anvendes den. Hvordan indgår den geologiske og hydrologiske viden i en grundvandsmodel	
				10:10-10:30	---	Låsby	Break	
				10:30-11:15	Alma	Låsby	Examination	Exam of Track A
				11:15-11:30	Uffe S Thomsen	**Låsby**	Introduction to company visit at SkyTEM	
				11.30 - 12:15	Låsby Kro	Låsby	Lunch	
		Afternoon	Track A	12.15-13:00	Uffe S Thomsen	Låsby	Bus to SkyTEM	Alma/WATEC
				13:00 - 16:00	Per Gisselø	SkyTEM	SkyTEM tour	SkyTEM
				16:00 - 16.45		Låsby	Bus to Låsby	
		Evening	Track A	18:00 - 19:00	Låsby Kro	Låsby	Dinner	
			0	19.00-21.00	Mikkel & Mette	Låsby	*Modul 0* SDG Capture	NIRAS
13	**Wednesday**	Morning	1A	8.00-8.10	Kurt Brinkmann (chief engineer)	Låsby	Modul 1A Welcome to water distribution	Aarhus Vand
			1B	8.10-9.45	Kurt Brinkmann (chief engineer)	Låsby	*Modul 1B* Overview	Aarhus vand
			2	9.50 - 10.30	Klavs Høgh (Project Direktor)	Låsby	*Modul 2* Introduction to NRW Management - IWA Water Balance - Water Auditing - Benchmarking - Prioritizing	NIRAS
			4 (nr. 3 er udgået)	10.45 - 11.35	Klavs Høgh (Project Direktor)	Låsby	*Modul 4* The Four Pillars of leakage Management - Pressure Management - Active Leakage Control - Pipeline Management & Rehabilitation - Speed & Quality of Repairs	NIRAS
		Afternoon		11.35 - 12.20			Lunch	
				12.20 - 13.00			Buskørsel to Aarhus Vand Lækagebanen	Alma/WATEC
			6	13.00 - 13.45	Sally Nyberg Kornholt(operational engineer)	Aarhus Vand	*Modul 5* Leakage Management (intro)	Aarhus Vand
				13.45 - 14.30	Karl Aage Isaksen (NRW specialist) Sally Nyberg Kornholt (operational engineer)	Aarhus Vand	*Modul 6* *Leakage Management (praktik/opgave)*	Aarhus Vand
				14.30 - 15.00			Buskørsel to Beder waterplant Skoleparken 3	Alma/WATEC
				15.00 - 16.30	Rune Laursen Michael Rosenberg (afventer besked fra Michael)	Beder	Tour of Bederværket	Aarhus Vand
		Evening		16.30 - 17.00			Buskørsel to NIRAS Kalkværksvej 16	Alma/WATEC
				17.30 - 19	Mette,Morten Westergard, Lis Thodberg	Niras	Welcome to Company evening and Dinner	NIRAS
				19 - 21	Mette, Simone Laursen og Peter Thomsen		Company evening/networking	Alle
14	**Thursday**	Morning	7	8.00 - 9.15	Kurt Brinkmann (chief engineer)	Låsby	*Modul 7* Sectioning & Zoning - Pressure Zones - District Metered Areas - Instrumentation	Aarhus Vand
			8	9.30 - 10.30	Yang, Weixiao (Chief consultant, Ph.D.)	Låsby	*Modul 8* System Integration - Strategy, Goal, Benchmaking - Advanced Analysis	NIRAS
			Exam	**11.00 - 11.50**		**Låsby**		Alle
		Afternoon		11.50-12.30		Låsby	Lunch	Alma/WATEC
				12.30 - 13.00			Bus to Kamstrup	Alma/WATEC
			9	13.00 - 15.30	Steen Pilgaard, App. Product Manager Jonas Skafte Madsen, Product Specialist Lena Warming, Head of Commercial Services	Kamstrup	*Modul 9* Intro to watermetering	Kamstrup
				15.30 - 16.00			Bus to AVK	Alma/WATEC
		Evening	10	16.00 - 17.30	Michael Ramlau-Hansen (Public affairs) Martin Børsting (Product manager control valves)	AVK	*Modul 10* Valves for dummies	AVK
				17.30			Dinner at AVK	AVK
			10X	18.30 - 20.00	Niras/WVDK Søren Duch-Henningsen, Pia Jacobsen	AVK	Modul 10x Water Reuse (WW)	
		Morning		20.00 - 20.30			Bus to Låsby	Alma/WATEC
15	**Friday**	Morgen		7.30 - 8.20			Bus to Grundfos	Alma/WATEC

			11	**8.30 - 10.30**	Coreta Camborda Schomacker (Senior Application Solution Specialist, WU)	Grundfos	*Modul 11* Water: Intro to pumps, energy optimization of pumps/ Tour of Grundfos	Grundfos
			Track C	**10.45 - 12.00**	Leendert Vergeynst, Dept. Bio- and Chemical Engineering, AU	Grundfos	Basic biological processes in wastewater treatment	AU
		Afternoon		12.00 - 12.45	Lunch at Grundfos	Grundfos	Lunch	
				12.45 - 13.45	Alma		Transport to Egå wastewater treatment plant	
			Track C	13.45-15.30	Morten Rebsdorf, Aarhus Vand	Egå	Egå wastewater treat plant guided tour	AAV
				15.30 - 16.00	Alma		Transport to Låsby	
			Track C	16.00 - 16.45	Kristian Vestergaard, Dept. Civil and Architectural Engineering - Design and Construction	Låsby	Introduction to Sewers	AU
			Track C	17.00 - 18.00	Morten Just Kjølby, DHI	Låsby	Modelling of collection system	AU
		Evening		18.30-19.30	Låsby Kro	Låsby	Dinner	
16	**Saturday**	Morning	Track C	8.00 - 9.00	Morten Rebsdorf, Aarhus Vand	Låsby	Design and overall functioning of a modern wastewater treatment plant	AU
			Track C	9.10 - 10.00	Cristiane Romio, Dept. Bio- and Chemical Engineering, Aarhus University	Låsby	Anaerobic digestion of wastewater sludge	
			Track C	10.15 - 11.10	Allyson Leigh Junker, DHI	Låsby	Introduction to WWTP modelling and simulation (using WEST)	
			Track C	11.15 - 12.00	Carlos Alberto Arias, Dept. Biology, Aarhus University	Låsby	P recovery by the struvite route	
		Afternoon		12.00 - 12.30	Låsby kro	Låsby	Lunch	
				12.30 - 13.15	Zongsu Wei, Dept. Bio- and Chemical Engineering, Aarhus University	Låsby	Managing Micropollutants and PFAS in WWTPs	AU
			Exam Track C	13.30 - 14.10	Alma	Låsby	Multiple choice	
				14.30	Alma/Uffe	Låsby	Group formation for track A, B, C	AU
17	**Sunday**			09:00	Track distribution	Låsby		
				9.30 - 17.00	CLEAN		Social day, walk in Aarhus	AU
				18:00			Dinner	
SPECIALIST, Track A								
18	**Monday**	**Morning**		8:00 - 08.15	Thomas Bager Rasmussen	**Låsby**	Introduction to the program of today	I-GIS
				08:15-09:15	Thomas Bager Rasmussen	Låsby	Geologic modeling in GeoScene3D - introduction to software, workflow and data types.	I-GIS
				09:15-10:15	Nour Hawa	Låsby	Geological modeling in GeoScene3D. Handson/excersizes	
				10:15-10:30	Låsby Kro	Låsby	Break	
				10:30-11:00	Thomas Bager Rasmussen	Låsby	Hydrogeologic modeling pt. I: Principles and techniques	
				11:00-11:45	Thomas Bager Rasmussen	Låsby	Hydrogeologic modeling pt. II: Principles and techniques	
				12:00 - 13:00	Låsby Kro	Låsby	Lunch	
		Afternoon		13:00-13:10	Nour Hawa	Låsby	Introduction to the afternoon program	I-GIS
				13:10-13:20	Nour Hawa	Låsby	Menti: Approaches to geological modeling. Manual contra automatic.	
				13:20-13:45	Thomas Bager Rasmussen	Låsby	Examples of manual contra semiautomatic modeling	
				13:45-14:00	---	Låsby	Break	
				14:00-15:40	Nour Hawa / Thomas Bager Rasmussen	Låsby	Excersize - geologic interpretation. Print outs; cross sections	
				15:40-16:00	---	Låsby	Break	
				16:15-17:50	Nour Hawa / Thomas Bager Rasmussen	Låsby	GS3D installation og intro	
		Evening		18:00 - 19:00			Dinner	
				19.00 - 21.30	Pia Jacobsen (Head of Global Innovation) Michael Ramlau-Hansen (Public affairs)	Låsby	*Modul 16* Future Water	AVK, WVDK
19	**Tuesday**	**Morning**		08:00-08.10	???	Låsby	Introduction to the program of today	
				08:10-10:00	Anders Vest	Låsby	Geophysical methods - introduction and basic knowledge	**Geoscience Aarhus**
				10:10-10:20	---	Låsby	*Break*	
				10:20-11:45	Anders Vest	Låsby	Geophysical methods - exercise	**Geoscience Aarhus**
				11:45-12:00	Anders Vest	Låsby	Summing up	**Geoscience Aarhus**
				12:00 - 13:00	Låsby Kro	Låsby	Lunch	
		Afternoon		13:00-13:10	???	Låsby	Introduction to the program of today	
				13:10-14:10	Peter Thomsen	Låsby	Recharge of surface water - methods and examples, pt I	**NIRAS**
				14:10-14:25	---	Låsby	Break	
				14:25-15:00	Peter Thomsen		Recharge of surface water - methods and examples, pt II	**NIRAS**
				15:15-16:00	Troels Norvin Vilhelmsen	Låsby	Digitilization in the utilities sector - opportunities and prospects.	**NIRAS**
				16:10-16:30	Niels Cajus	Låsby	Well fields and waterworks	**Aarhus Vand**
				16:30-17:50	Niels Cajus		Excersise: Well fields	**Aarhus Vand**
				17:50-18:00	*???*	Låsby	Summing up	
		Evening		18:00 - 19:00	Låsby Kro		Dinner	
				19:00 - 21:00	???		Case assignement	AVK, WVDK
SPECIALIST, Track B								
18	**Monday**	Morning	12	8.00 - 12.00	Stanislas Bromberg, NIRAS (Consultant, NRW)	Låsby	*Modul 12* Ledningsnetmodellering	NIRAS
				12.00 - 12.45			Lunch	AU
		Afternoon	15b (NY)	12.45 - 14.00	Herning Vand (modul 15A og B er byttet rundt)	Låsby	Modul 15B Brug af smartmålere	Herning Vand
			15a	14.05 - 15.15	Sune Dupont (Product developer)	Låsby	Modul 15A Intelligent water meter network	Kamstrup
			13	15.30 - 16.45	Martin Børsting (product manager control valves) Gerner Knudsen (business development manager, smart water)	Låsby	Modul 13 (afvikles i denne omvendte rækkefølge)	AVK
		Evening		16.45 - 17.30			Free time	AU
				18.00 - 19.00			Dinner	AU
			16	19.00 - 21.30	Pia Jacobsen (Head of Global Innovation) Michael Ramlau-Hansen (Public affairs)	Låsby	*Modul 16* Future Water	Water Valley, AVK
19	**Tuesday**	Morning	17	8.00 - 9.45	Kurt Brinkmann (chief engineer)	Låsby	*Modul 17.A* Renoveringsplanlægning	Aarhus Vand
				10.00 - 12.00	Yang, Weixiao (Chief consultant, Ph.D.)	Låsby	Modul 17.B Renoveringsplanlægning	Niras
				12.00 - 12.45			Lunch	AU
		Afternoon	14 (tidspunkt flyttet)	12.45 - 14.00	Cedric Macleod (Lead Application Solution Manager, WU)	Låsby	Modul 14 (er flyttet fra Monday)	Grundfos
			18	14.05 - 15.15	Yang, Weixiao (Chief consultant, Ph.D.)	Låsby	Modul 18 Smart Water Systems - System integration (lidt) - Wateraudit - Strategy, Goal, Benchmaking -(Advanced, analysis/integration, Digital Twins)	Niras
			19	15.25- 16.30	Kurt Brinkmann (chief engineer)	Låsby	Modul 20 (modul 19, Pia er flyttet op) Opsamling og tips til opgaven	Aarhus Vand
		Evening		16.45 - 17.30			Free time	AU

				18.00 - 19.00			Dinner	AU
			20	19.00 - 21.00	Michael Ramlau-Hansen/Pia Jacobsen (Public affairs)	Låsby	Modul 21 Case Assignment	AVK, WVDK
SPECIALIST, Track C								
18	**Monday**	Morning		8.00 - 8.50	Zongsu Wei, Dept. Bio- and Chemical Engineering, Aarhus University	Låsby	Physicochemical processes in WWTP	AU
				9.00 - 9.50	Morten Rebsdorf, Aarhus Vand	Låsby	Polymer use, cyclones and settling basins in WWTPs	
				10.00 - 10:15	Break	Låsby	Group work on greenhouse gas emissions and climate associated with WWTP	
				10:15 - 11:05	Barth F. Smets, Dept. Biological and Chemical Engineering	Låsby	N removal and N recovery	
				11.15 - 12.00	Mikkel Holmen Andersen, Unisense	Låsby	N2O emission and C footprint of a WWTP	
				12.00 - 13.00		Låsby	Lunch	AU
				13.00 - 14.00	Morten Rebsdorf, Aarhus Vand	Låsby	Sensor based control of WWTPs MHA confirmed	
				14.00 - 15.00	Mikkel Holmen Andersen, Unisense and Morten Rebsdorf Aarhus Vand	Låsby	Group work on Greenhouse Gas emission	
				15.10 - 17.00	Jes Vollertsen Aalborg University and Ester Vollertsen Envidan	Låsby	H2S in sewers and group work	
				18.00 - 19.00		Låsby	Dinner	
				19.00 - 21.30	Pia Jacobsen (Head of Global Innovation) Michael Ramlau-Hansen (Public affairs)	Låsby	*Modul 16* Future Water	AVK, WVDK
19	**Tuesday**	Morning		8.00 - 10.00	Allyson Leigh Junker, DHI	Låsby	Modelling of WWTP biological processes	AU
				10.00 - 10.15		Låsby	Break	
				10.15 - 11.05	Allyson Leigh Junker, DHI	Låsby	Modelling of WWTP biological processes	
				11.15 - 12.00	Kasper Kjellberg, Novonesis	Låsby	Case study of industrial wastewater treatment (integration)	
				12.00 - 13.00		Låsby	Lunch	AU
				13.00 - 13.50	Morten Kam Dahl Dueholm, AAU	Låsby	Microbial community analysis and control in WWTP	
				14.00 - 14.45	Thomas W. Seviour, Dept. Bio- and Chemical Engineering, Aarhus University	Låsby	Resource recovery	
				15.00-15.50	Barth F. Smets, Dept. Bio- and Chemical Engineering, Aarhus University	Låsby	Novel WWTPs	
				16.00 - 16.50	Leendert Vergeynst, Dept. Bio- and Chemical Engineering, Aarhus University	Låsby	Example: bio WWTP with resource recovery and micropollutant removal	
				17.00-18.00		Låsby	Break	
				18.00-19.00		Låsby	Dinner	
				19:00 - 21:00	**Michael Ramlau-Hansen (Public affairs) og Kristian Vestergaard (AU)**	Låsby	Case assignement	AVK, AU
	Common part							
20	**Wednesday**	All day		8.00 - 21.00	Case work		Case work	Kl. 14-16, I•GIS v. TBR. Work for Groundwater **TrackB: Michael Ramlau (fysisk hele dagen)**
				12.00 - 13.00		Låsby	Lunch	
				18.00-19.00		Låsby	Dinner	
21	**Thursday**	All day		8.00 - 21.00	Case work		Case work	Kl. 14-16, I•GIS v. NOH. Wor k for Groundwater **TrackB: Kurt Brinkmann (fysisk hele dagen), Yang (online)**
				12.00 - 13.00		Låsby	Lunch	
				18.00-19.00		Låsby	Dinner	
22	**Friday**	Morning/ Afternoon		8.00 - 12.00	Case work		Case work	Kl. 9-11, I•GIS v. TBR. Work for Groundwater
				12.00 - 13.00		Låsby	Lunch	
				13.00 - 14.00	Evaluation			
			Exam	14.00 - 18.00	Pia, Mette, Michael, Thomas,			
		Evening		19.00	Allyson Leigh Junker, DHI		**Graduation Dinner**	Awards by Pia & Mette
23	**Saturday**	Morning	Goodbye, breakfast & check out	8.00 - 10.00	Pia, Mette, Michael			
		Noon	Bus leaving	10.00 - 11.00	Pia, Mette, Michael			