Modeling 201: Demystifying your Modeling Project

Торіс	Presentation	Interactive	
Tuesday, September 16			
Welcome	9:00-9:45am		
Introductions/attendee interests			
Session overview and agenda			
Lightning Modeling 101	9:45-10:15am		
15-min Break (10:15-10:30am)			
Model planning	10:30-11:15am	Model Planning exercise	
Project planning overview		11:15-11:30am	
Problem formulation			
Model selection			
Contracting SOW, deliverables			
75-min Lunch Break (11:30am-1:00pm)			
		continued	
		Model Planning exercise	
		1:00-1:30pm	
QAPPs	1:30-2:00pm	QAPP examples and Scavenger	
QAPP development and process		Hunt exercise	
45 min Brook (0:00 0:45 mm)		2:00-2:30pm	
15-min Break (2:30-2:45pm)	0.45.0.00		
Case Study Introduction	2:45-3:00pm		
Introduction to QUAL2K/QUAL2Kw	3:00-3:15pm	Guided walk through QUAL2K/Kw	
45 min Brook (2) 45 4:00mm)		3:15-3:45pm	
15-min Break (3:45-4:00pm)			
Whole group plenary (4:00-5:00pm)			
Wednesday, September 17			
Recap and questions from Tuesday (Parking lot)	9:00-9:15am		
Model Setup (Configuration and Data Compilation)	9:15-9:45am		
Data Gathering			
Model types	0.45.40.45		
Model Setup (Configuration and Data Compilation)	9:45-10:15am		
(continued)			
Inputs and configuration for <u>watershed models</u> 15 min Prock (10:15, 10:20cm)			
15-min Break (10:15-10:30am)	10.00 11.15	OLIAL OK	
Model Setup (Configuration and Data Compilation) (continued)	10:30-11:15am	QUAL2Kw setup and data 11:15-11:30am	
		11.13-11.30am	
 Inputs and configuration for <u>receiving waterbody</u> models 			
Addressing data gaps			
Overview of workhorse models			
75-min Lunch Break (11:30am-1:00pm)			
The state of the s		continued QUAL2Kw setup	
		1:00-1:30pm	
		1.00pm	

Model Catibration and Evaluation (part 1) 1:30-2:15pm	Topic	Presentation	Interactive	
Process and evaluation Sansitivity testing 15-min Break (2:15-2:30pm) Model Calibration and Sensitivity exercise 2:30-3:45pm	Model Calibration and Evaluation (part 1)	1:30-2:15pm		
• Sensitivity testing 15-min Break (2:15-2:30pm) Model Calibration and Sensitivity exercise 2:30-3:45pm	Selecting parameters to calibrate			
15-min Break (2:15-2:30pm) Model Calibration and Sensitivity exercise 2:30-3:45pm	Process and evaluation			
Model Calibration and Sensitivity exercise 2:30-3:45pm	Sensitivity testing			
exercise 2:30-3:45pm	15-min Break (2:15-2:30pm)			
15-min Break (3:45-4:00pm)			Model Calibration and Sensitivity	
Thursday, September 18				
Thursday, September 18 Recap and questions from Tuesday/Wednesday 9:00-9:15am Model Calibration and Evaluation (part 2) 9:15-10:00am Post-processing and visualization Quantitative vs. qualitative examples Error statistics			2:30-3:45pm	
Thursday, September 18 Recap and questions from Tuesday/Wednesday Model Calibration and Evaluation (part 2) Post-processing and visualization Quantitative vs. qualitative examples Error statistics 15-min Break (10:00-10:15am) Model Acceptance Acceptance process, peer review Determination of suitability 75-min Lunch Break (11:30am-1:00pm) Scenarios and decision making 1:00-1:30pm Modeling Scenarios exercise 1:30-3:00pm (with break) 15-min Break (during hands-on exercise) Public Process Communication Model defensibility 15-min Break (3:45-4pm) Whole group plenary (4-5:00pm) Friday, September 19 Modeling Report Contents Recap and Wrapping Up Final Parking Lot issues Resources Feedback - Measures of Success	· · · · · · · · · · · · · · · · · · ·	-		
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