

Day / Time slot	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY		
	19-May-19	20-May-19	21-May-19	22-May-19	23-May-19	24-May-19		
09:00 - 9.30	ARRIVAL to Bilbao	Arrival at Venue	NCA (KB)		ES Global Models Session 3: ES as a complex issue (SB, FV & BV)	Explanation: Pollination Model (ZH)	ES trade-offs (FV)	ES and Machine Learning; Uncertainty (FV)
9.30 - 10.00		Introductions instructors and attendants presentations (using slides, MP moderating) ²	ES Global Models Session 1:	Explanation: Outdoor Recreation Model (SB)		Hands-on: Pollination Model (ZH)	MCA theory (SB) + setting custom parameters in k.Modeller (BV) + Elicitation of priorities hands on exercise (SB + ZH)	
10.00 - 10.30				Hands-on: Outdoor recreation Model (SB) "use observers and sticky notes"				
10.30 - 11.00		Intro to ARIES (BV & KB)						
		ARIES in a nutshell (ZH)						
11:00 - 11:30		COFFEE Break	COFFEE Break		COFFEE Break	COFFEE Break	COFFEE Break & Group Photo (MP)	
11:30 - 12:00		ARIES Teaser (FV)	ES Global Models Session 2	Carbon Storage (KB) + Hands on	ES as a complex issue (SB, FV & BV)	Case Study Example 2: ALICE Interreg Project Intro Presentation (Jose Manuel)	New directions and priorities for 2019 – 2020 (Participants)	
12.00 - 12.30					On-the-fly concept observations (BV, SB)			
12.30 - 13.00		Software set-up & First Hands-On Software (FV & SB) - sticky notes	ES Global Models Session 3	Sediment Regulation & Flood Control Model (BV, KB)	k.Modeller quick tour (FV)	Model Customization	New directions and priorities for 2019 – 2020 (Aries Team – MP)	
13:00 - 13:30					Case Study Example 1 (min-hydro and Japan ES) (KH)			
13:30 - 14:00				Hands on exercise w/ k.Modeller	LUNCH Break			
14:00-15:00		LUNCH Break	LUNCH Break		LUNCH Break	LUNCH Break	Certificates	
15:00-15:30		More software & k.EXPLORER tour (EG)	Semantics and Integrated Modelling in a nutshell (SB, FV)		k.Modeller Hands-on: includes a demo of importing projects	Hands on exercise w/ k.Modeller	New directions and priorities for 2019 – 2020 (discussion continuation)	
15.30-16:00					Team work: Annotating a dataset (SB, FV, BV), use sticky notes			
16.00 - 16.30		ES and the semantic web (KB)	Hands On Exercise		Individual work: annotating and observing a dataset (own), use sticky notes	Hands-on: Attendants Study Problems Conceptualization (Continuation) & Group Discussion	Q & A, Stay & Play (SB)	
16.30 - 17.00		Philosophy of Global ARIES models (SB)	Preview on ML / BBN (KB), more on the ML day (Thursday)				END OF COURSE	
17:00-17:30	Q&A of the Day	Q&A of the Day		Q&A of the Day	Q&A of the Day			
18:00	Welcome Txakoli (Optional) ¹	Bike Tour around Bilbao (FREE but optional) ³	Pintxo Tour (Optional)	Free Evening	Free Evening			
Instructor's Acronyms: FV (Ferdinando Villa); SB (Stefano Balbi); Brian Voigt (BV); KB (Ken Bagstad); ZH (Zuzana Harmackova); MP (Marta Pascual), Kii Hayashi (KH)								
Notes								
¹ Meeting at 18h at the Teatro Arriaga Main entrance - Arriaga Plaza, 1, 48005 Bilbo, Bizkaia. We will move from there so please be on-time.								
² Participants presentations (5 minutes máx). Please follow sent guidelines.								
³ Bike Tour (3h) visiting most iconic places in Bilbao. Price EUR 25/pp (INCLUDED in your course fees). It includes the renting of the bike, the tour in English, a pintxo and a drink.								