

	Monday 9 May	Tuesday 10 May	Wednesday 11 May	Thursday 12 May	Friday 13 May
<b>Aims</b>	Demarcate the workshop and the challenge that it aims to address, reflecting on COVID-19 Make an inventory of expertise present	Identify how (logical groups of) key elements interact with one another Identify the time scales on which key elements and links between them operate	Continue identifying overlap between disciplines and how to integrate these Rank elements in the CLD in terms of importance and determine which of them require more fine-graining or coarse-graining	Link elements of the CLD to (conceptual) models and techniques from specific fields Identify potential sources of data to inform quantification of (elements of) the CLD	Establish a list of research priorities (across and/or per discipline) Establish an outline of a white paper, building on the annotated CLD
	Identify key questions and concepts and organise them into logical groups	Identify where and which disciplines overlap with regards to key elements and links between them Start of rapid prototyping of potential ways to integrate concepts from different disciplines	Identify potential sources of data to inform qualification of (elements of) the CLD	Explore how active inference might be used to simulate agency in individual-based models	Assign tasks for completion of the white paper and set up a communication framework for further collaboration after the workshop Identify potential spin-off initiatives (papers, research proposals) and interested partners/collaborators Identify strategies to inform policy
<b>Outputs</b>	List of key elements (behavioural and epidemiological) relevant for infectious disease transmission and control that operate in individuals, groups, and societies List of volunteers who focus on particular aspects (e.g., impact on policy) throughout the workshop Poster session initiated	First version of causal loop diagram (CLD)	Second version of CLD with annotation (fields, literature, data).	An overview of computational techniques and model innovations needed to capture the CLD	Outline of white paper Inventory of tasks and further initiatives
<b>Time (CEST)</b>					
8 00		Arrival and refreshments	Arrival and refreshments	Arrival and refreshments	Arrival and refreshments
9 00		Review of prior day's output and today's goals	Plenary: 3x30m talks by domain experts to deepen aspects of CLD Jet Sanders, Marino van Zelst, [someone from lab Bastiaan Ruffens]	Review of prior day's output and today's goals Plenary: computational models Alessandro Vespignani, Karl Friston, Tom Emery, Chris Bauch	Review of prior day's output and today's goals Plenary discussion: shaping the white paper
	Arrival, registration, and refreshments	Plenary: Causal loop diagrams Rick Quax			
10 00	General introduction by Lorentz Center Workshop goals and layout Speed dating introductions	Break-out sessions: building a CLD and a ODD+D for agent-based models	Refreshments	Refreshments	Refreshments
11 00	Plenaries: reflecting on policy success/failures Policy perspective: Ernst Kuipers? Maarten Alessandro Vespignani, Denny Borsboom, Neil Ferguson, H�el�ene Voeten		SPACE FOR PLENARY DISCUSSION, data inventarisation Break-out instructions: identifying key loops in the CDL, coarse and fine-graining elements, annotating with data sources		10-15-minute pitches on parallel projects (PANADAPT, PDPC, ...)
12 00	Break	Break	Break	Break	Break
13 00					Break-out instructions: identify gaps, research priorities, data needs, methods needed Break-out sessions
14 00	Break-out instructions: identify key questions and corresponding elements and organise into logical groups Refreshments	Plenary: 3x30m talks by domain experts to deepen aspects of CLD Matti Heino, Carljin Kamphuis, Chris Bauch	Break-out sessions	Break-out instructions: Multi-disciplinary Hack-a-thon & Validation Statements Break-out sessions	Refreshments
15 00	Break-out sessions	Refreshments	Refreshments	Refreshments	Rapporteurs report back Plenary: plan for finishing white paper and further collaborations
16 00	Poster pitches Drinks and discussion	Organizing team reports back (attempt at visualizing a integrated CLDs and potential conflict) Plenary discussion	Rapporteurs report back Plenary discussion		Closing words
17 00			Dinner at restaurant Zilt Katwijk, Katwijk aan Zee. We will be back at the Lorentz Center at 21:15		
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