Challenges and opportunities in outbreak analytics

/// Hotel Novotel Paddington, 3 Kingdom St, London W2 6BD
/// 22-23 March 2018

/// Day 1: symposium on outbreak response analytics

Speaker	Title	Institution	Start	End
Welcome and opening session (Sheldon rooms 1&2)				
Registrations			9:00	9:30
Thibaut Jombart	Challenges and opportunities in outbreak response analytics	ICL	9:30	9:50
Oliver Morgan	Decision making in public health emergencies: how to connect the questions and answers	WHO	9:50	10:50
Coffee			10:50	11:10
Session 1: outbreak response in the field (Sheldon rooms 1&2 ; moderator: Amrish Baidjoe)				
Isidro Carrion-Martin	Dust, mud and data: challenges for good quality data in MSF interventions	MSF-OCA	11:10	11:30
Iro Evlampidou	Data collection and analysis challenges during mass displacements: the MSF experience in the Balkans during the 2015 refugee "crisis"	MSF	11:30	11:50
Jonathan Polonsky	Diphtheria outbreak among Rohingya refugees in Cox's Bazar, Bangladesh	WHO	11:50	12:10
Jean-Pierre Veyrenche	Logistical challenges in outbreak response situations	WHO	12:10	12:30
Plenary discussion			12:30	12:50
Lunch (restaurant)			12:50	14:00
Session 2: data analytics and modelling for outbreak response (Sheldon rooms 1&2 ; moderator: John Edmunds)				
Anne Cori	Mathematical modelling and outbreak response: examples and lessons learnt from the West African Ebola epidemic	ICL	14:00	14:20
Pierre Nouvellet	From invasion dynamics to global spread of emerging infectious diseases	University of Sussex	14:20	14:40
Simon Cauchemez	Modelling support during the plague epidemic in Madagascar in 2017	Institut Pasteur	14:40	15:00
Sebastian Funk	Real-time forecasting during infectious disease outbreaks	LSHTM	15:00	15:20
Plenary discussion			15:20	15:45
Coffee			15:45	16:00

/// Day 1: symposium on outbreak response analytics (continued)

Speaker	Title	Institution	Start	End
Session 3: looking ahead: new initiatives in outbreak response (Sheldon rooms 1&2 ; moderator: Thibaut Jombart)				
Gail Carson	Operational research in emergency situations	GOARN / Oxford	16:00	16:20
Gregory Armstrong	Nucleotide sequencing in outbreak detection and response	US-CDC	16:20	16:40
Armand Bejtullahu	Go.Data: working with partners on tools development	GOARN	16:40	17:00
Jimmy Whitworth	The UK Public health rapid support team: challenges and opportunities	LSHTM	17:00	17:20
Plenary discussion & outline of day 2			17:20	17:50
Reception followed by dinner (Elements room 1&2)			18:30	22:00

/// Day 2: parallel sessions

Speaker	Title	Institution	Start	End
Parallel session #1: training and tools development: reflections and perspectives (Sheldon rooms 1&2 ; moderator: Amrish Baidjoe)				
Amrish Baidjoe	The current challenges with data analyses tools and training, can we jointly propose a way forward?	ICLs	09:30	09:50
Irina Czogiel	The transition to R: challenges fro a EU-FETP perspective	RKI	09:50	10:10
Tambri Housen	The Australian FETPs transitioning to R: Issues, Challenges and Solutions	Australian FETP	10:10	10:30
	Coffee		10:30	10:55
Annick Lenglet	Field epidemiologists with boots in the mud – training needs in field epi in MSF	MSF-OCA	10:55	11:15
Lisa Hansen	Anthropology for Epidemiologists: Qualitative methods in public health investigations	RIVM / ECDC	11:15	11:35
Renee Anne Christensen	The GOARN Training Programme	GOARN	11:35	11:55
	Lunch (restaurant)		12:00	13:00
Session groupwork: what should data analytics training for field-epidemiologists include, and which tools are needed to facilitate training and field analytics?			13:10	15:00
Session groupwork: Presentations groupwork (10 minutes for each group)			15:00	16:00
	Coffee		16:00	16:15
Parallel session #2: community-driven hackathon on epidemics analysis (Elements rooms 1&2; chairs: Rich FitzJohn, Zhian Kamvar, Dirk Schumacher)				
Chair: Rich FitzJohn	Brainstorming, project fair and team formation		9:30	10:45
	Coffee		10:45	11:00
Chair: Rich FitzJohn	Project development and coding		11:00	11:55
	Lunch (restaurant)		12:00	13:00
Chair: Dirk Schumacher	Project development and coding		13:10	15:00
Chair: Zhian Kamvar	Project development, coding, and wrapping up		15:00	16:00
	Coffee		16:00	16:15
Conclusion (Sheldon rooms 1&2)				
Thibaut Jombart, Amrish Baidjoe	Summary of parallel sessions, action points and conclusion		16:15	16:30