

1st ICOS workshop on strategies to monitor greenhouse gases in urban environments
Helsinki / Hyytiälä, Finland, July 1 - 4, 2019

Draft programme

Date		Activities
Jul 1, 19	Monday morning	Possible field trip: Tour to Helsinki Eddy Covariance Sites "Kumpula" and "Torni" (for people that arrive the day before)
	Monday midday	12:30 - 16:00 Transfer Helsinki to Hyytiälä (Bus). Bus stops at Helsinki-Vantaa airport (leaving from there at 13:00)
	Monday afternoon	
	Monday evening	16:30 - 17:15 Dinner
		(1) 17:30 - 19:00, 1.5 h <u>Welcome</u> (logistics, need, scope and goals).
Jul 2, 19	Tuesday morning	(2) 8:30 - 12:00, 3.5 h Fundamental challenges and opportunities to measure GHGs in cities - from <u>space, in atmosphere and in ecosystems</u> (invited presentations, conceptual and case studies).
	Tuesday midday	12:00 - 12:45 Lunch
	Tuesday afternoon	(3) 14:00 - 16:30, 2.5 h Lessons learned from <u>existing urban GHG networks</u> and efforts (invited presentations, logistical challenges). Link to WMO GURME, IAUC Urban Flux Network etc.
	Tuesday evening	16:30 - 17:15 Dinner
		(4) 17:30 - 19:00, 1.5 h Defining goals for long-term urban GHG observations (group discussion).
Jul 3, 19	Wednesday morning	(5) 8:30 - 12:00, 3.5 h Defining <u>strategies for urban GHG observations</u> (break out in small groups from 8:30 - 10:00, separate for atmosphere, ecosystem, isotopes) - Questions: site layouts? network layouts? standardisation? meta-data? remote sensing? models? Presentation and discussion of break out groups - <u>shaping coherent strategies</u> . Incorporating into paper
	Wednesday midday	12:00 - 12:45 Lunch, 12:45 - 13:00 Photo session
	Wednesday afternoon	(6) 14:00 - 16:30, 2.5 h Integration into an overall urban <u>ICOS strategy</u> . work on paper.
	Wednesday evening	16:30 - 17:15 Dinner
		(7) 17:30 - 19:00, 1.5 h Integration - Logistical details - Proposed data requirements, flow, certification processes, national networks?
Jul 4, 19	Thursday morning	(8) 8:30 - 12:00, 3.5 h <u>Closing discussions</u> - next steps, work on paper.
	Thursday midday	11:00 - Transfer to Helsinki (Bus, food on the way back) - 15:30 Arrival at Helsinki-Vantaa Airport.
	Thursday late afternoon	Possible field trip: Tour to Helsinki Eddy Covariance Sites "Kumpula" and "Torni" (for people that leave late afternoon or next day)