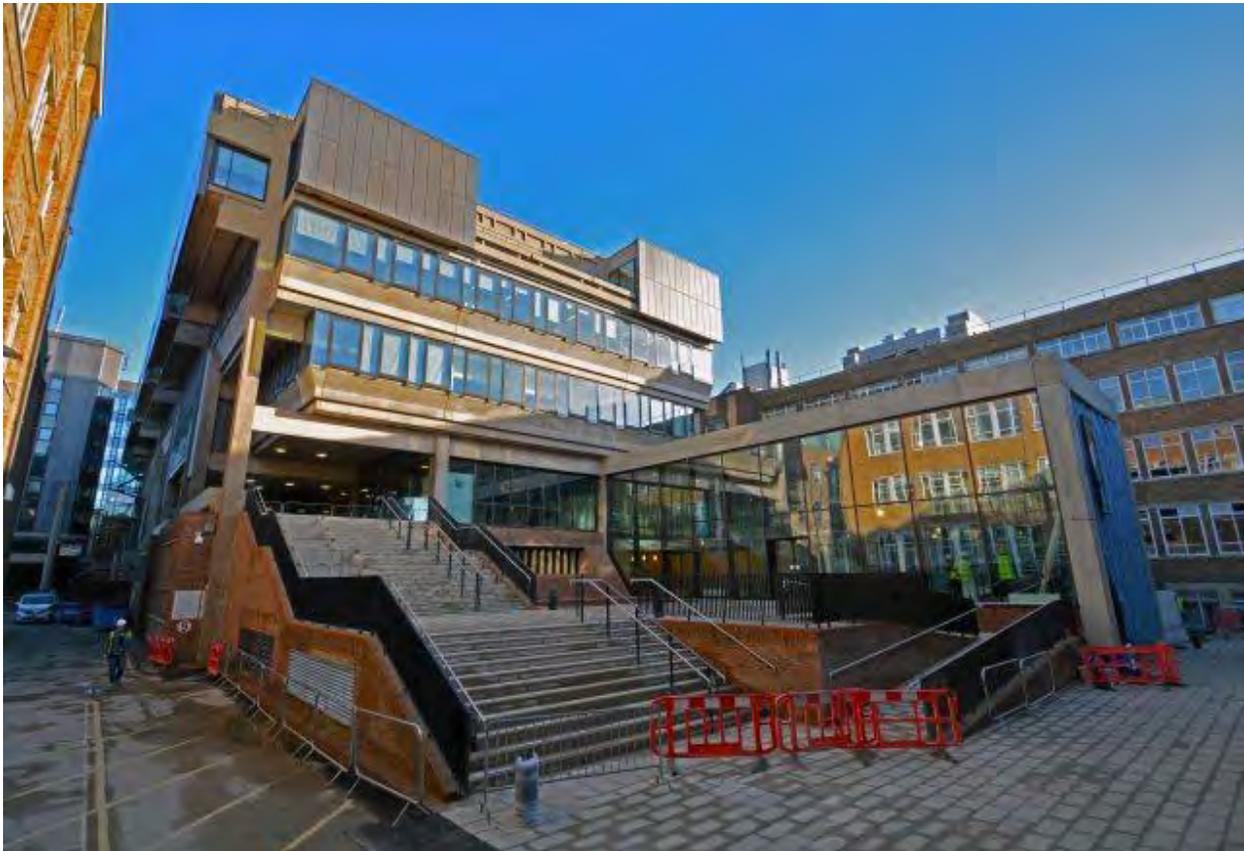


TEEB FOR AGRICULTURE & FOOD
'SCIENTIFIC AND ECONOMIC FOUNDATIONS' REPORT
FIRST WRITER'S WORKSHOP

CAMBRIDGE, UK
13 – 15 FEBRUARY 2017

INFORMATION PACKAGE
FOR PARTICIPANTS



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WORKSHOP OBJECTIVES

1. **To finalize report wireframe and chapter outlines**
 - a. To explain, refine and agree upon the report structure and key linkages between chapters
 - b. To evolve an annotated outline of each chapter
 - c. To agree on the writing tone and potential communications

2. **To understand the roles, responsibilities and timelines for the writing process**
 - a. To discuss the actors and dynamics in the organigram
 - b. To discuss the activities and timelines in the Gantt chart

3. **To establish writing teams**
 - a. To nominate Lead Authors (LAs)
 - b. To nominate Contributing Authors (CAs)
 - c. To create a camaraderie between chapter teams, report coordinators and the wider community

4. **To identify potential Peer Reviewers (PRs) by the Project Steering Committee**

WORKSHOP AGENDA

DAY 0		12 FEBRUARY 2017
All day	Arrival and check-in to Møller Centre	
Dinner	To be organized independently (reimbursed up to £25 per person)	

DAY 1		13 FEBRUARY 2017
07:00 – 07.55	Breakfast in Restaurant	
08:00	Group departure from Møller Centre at main entrance	
08.30 – 09.00	Registration and coffee/tea	
09.05 – 09.30	TEEBAgriFood: our mission, our vision and progress to date <i>Alexander Mueller, Study Leader, TEEBAgriFood</i>	
09.30 – 10.00	The 'Foundations' report – aims, actors and activities <i>Pavan Sukhdev, Special Adviser to TEEBAgriFood</i>	
10.00 – 10.30	The 'Foundations' report – structure/wireframe <i>Pushpam Kumar, Report Director, TEEBAgriFood 'Foundations'</i>	
10.30 – 11.00	Q&A	
<i>Coffee break (20 mins)</i>		
11.20 – 11.30	Introducing chapter panels <i>Alexander, Pavan & Pushpam</i>	
11.30 – 11.50	Chapter 1 - Background, rationale and objectives for TEEBAgriFood and the 'Foundations' report	
11.50 – 12.20	Chapter 2 – TEEBAgriFood in the context of related processes and the SDGs	

12.20 – 12.50	Chapter 3 – Overview of today’s agriculture and food systems
<i>Lunch break (1 hour)</i>	
14.00 – 14.30	Chapter 4 – Farming systems, food and nutritional security and human health
14.30 – 15.00	Chapter 5 – Systems thinking for agri-food systems, and the need for a universal and comprehensive valuation framework
15.00 – 15.30	Chapter 6 – Elements of the TEEBAgriFood valuation framework
<i>Coffee break (20 mins)</i>	
16.00 – 16.30	Chapter 7 – Valuation methodologies: an overview, and advances in modeling and measurement
16.30 – 17.00	End of day feedback and discussion
18.30	Dinner booking at University Centre Restaurant

DAY 2		14 FEBRUARY 2017
07:00 – 08.15	Breakfast in Restaurant	
08:20	Group departure from Møller Centre at main entrance	
08.30 – 09.00	Coffee/tea	
09.00 – 09.10	Recap	<i>Alexander, Pavan & Pushpam</i>
09.10 – 09.40	Chapter 8 – Using the framework: challenges and examples	
09.40 – 10.10	Chapter 9 – TEEBAgriFood’s theory of change	
10.10 – 10.30	Chapter 10 – Key messages and further explorations	
10.30 – 10.45	Forming chapter teams	
<i>Coffee break (20 mins)</i>		
11.00 – 13.00	Chapter working groups: drafting outlines	

	Participants will assemble into small working groups and develop annotated chapter outlines
<i>Lunch break (1 hour)</i>	
14.00 – 14.20	Chapter 1: presentation and feedback
14.20 – 14.50	Chapter 2: presentation and feedback
14.50 – 15.30	Chapter 3: presentation and feedback
<i>Coffee break (20 mins)</i>	
16.00 – 16.40	Chapter 4: presentation and feedback
16.40 – 17.00	Chapter 5: presentation and feedback
17.00 – 17.30	End of day feedback and discussion
18.30	Catered dinner at David Attenborough Building

DAY 3		15 FEBRUARY 2017
07:00 – 08.15	Breakfast in Restaurant and check-out	
08:20	Group departure from Møller Centre at main entrance	
08.30 – 09.00	Coffee/tea	
09.00 – 09.10	Recap	<i>Alexander, Pavan & Pushpam</i>
09.10 – 09.40	Chapter 6: presentation and feedback	
09.40 – 10.40	Chapter 7: presentation and feedback	
<i>Coffee break (20 mins)</i>		
11.00 – 11.30	Chapter 8: presentation and feedback	
11.30 – 12.00	Chapter 9: presentation and feedback	
12.00 – 12.20	Chapter 10: presentation and feedback	

12.20 – 12.50	Workshop summary <i>Alexander, Pavan & Pushpam</i>
<i>Lunch break (1 hour)</i>	
14.00 – 15.00	One-on-one meetings with CLAs to resolve issues
<i>Coffee break & conference call set-up (20 mins)</i>	
15.30 – 18.00	TEEBAgriFood Project Steering Committee meeting
Dinner	To be organized independently (reimbursed up to £25 per person)

‘FOUNDATIONS’ REPORT WIREFRAME

No.	Title	Description
1	BACKGROUND, RATIONALE & OBJECTIVES FOR TEEBAGRIFOOD AND THE ‘FOUNDATIONS’ REPORT	<p>Brief history of TEEB. Revisiting the TEEB reports and their relevance and application to agriculture and food systems. Documenting TEEB’s evolving mandate from evaluating ecosystems & biodiversity and the impacts and dependencies on them of policies, business practices and citizen choices to also evaluating adjacent systems with deep & multiple interactions with ecosystems & biodiversity, i.e. the ‘eco-agri-food systems complex’.</p> <p>Outlining the dominant discourse on agriculture and food systems versus the ground reality of significant yet unaccounted positive and negative impacts on food security, livelihoods, human health, ecosystem integrity and climate change. Socio-economic evaluation as part of a global change agenda for removing poverty, hunger, malnutrition, lifestyle diseases, environmental degradation, and ensuring decent employment on a very large scale.</p> <p>The need for transparency, consistency, completeness and a robust scientific and economic underpinning for a holistic and appropriate evaluation framework and discourse on food systems.</p>
2	TEEBAGRIFOOD IN THE CONTEXT OF RELATED PROCESSES AND THE SDGS	<p>In outline: comparisons and links to other initiatives e.g. CICES/ SEEA; Inclusive Wealth /Comprehensive Wealth; WAVES; SEEA-Agriculture; IPBES; SAFA; IPES-Food (a recent study on health impacts); NCC’s NCP Food & Beverage Sector Guideline; & the Post-2015 Development Agenda, including evaluating Global Goals (especially 1, 2, 3, 5, 6, 8, 12, 13, 14 & 15) as key policy entry-points to transition towards an inclusive green economy that delivers these goals.</p>
3	OVERVIEW OF TODAY’S AGRICULTURE AND FOOD SYSTEMS	<p>A historical narrative on the influence of food scarcities, evaporating frontiers, declining trade barriers and classical /political/ neo-classical economics on decision-making. The inadequacy/ inappropriateness of not recognizing and demonstrating the full range of ‘capitals’ and their values (i.e. impacts and dependencies) within ‘eco-agri-food systems’.</p>
4	FARMING SYSTEMS, FOOD AND NUTRITIONAL SECURITY AND HUMAN HEALTH	<p>State of knowledge of linkages and costs of various forms of malnutrition and disease with food and agricultural systems, including antibiotic resistance, zoonotic diseases and the impacts of endocrine disrupting chemical inputs. Change in supply chains and impacts on nutrition. What is a healthy diet? What are the links between healthy diets and food production? Evaluating the gradual globalization of “western diets” and the roles of culture and diversity.</p>
5	SYSTEMS THINKING FOR AGRI-FOOD SYSTEMS, AND THE NEED FOR A	<p>Viewing ecosystems, human systems and agri-food systems as an interconnected whole rather than as independent domains for ‘silo’ analysis. Identifying and evaluating spatial, temporal and value-chain parameters and boundaries for our proposed analysis. Recognizing and classifying the very different forms, typologies, cultural features & socio-</p>

	UNIVERSAL AND COMPREHENSIVE VALUATION FRAMEWORK	<p>economic contexts of agri-food systems. Recognizing and classifying dependencies and impacts of these different systems occurring at different scales (e.g. farm, landscape, watershed) and in varying geographical and geo-political contexts.</p> <p>Exploring the implications of systems thinking on the question of what to value and why, i.e., ‘framework’. Defining ‘success’ for frameworks. Discussing successful evaluation frameworks across diverse contexts (eg: IFRS ; CICES) and others not so successful. Merits and limitations of proposed TEEBAgriFood evaluation framework and lexicon as a universal guide for evaluating agricultural systems, practices, products, policy scenarios against a comprehensive range of impacts and dependencies along value chains.</p>
6	ELEMENTS OF THE TEEBAGRIFOOD VALUATION FRAMEWORK	<p>Identifying what to value and why, including value components economically visible at macro level (i.e. reflected in Systems of National Accounts) or micro level (i.e. reflected in corporate P&L) as well as invisible values including several biodiversity and ecosystem services; human health impacts; pollution and waste impacts; climate impacts; cultural identity; employment generation. Extending evaluation / multi-criteria analysis beyond economic numeraires: considering social issues; risks and uncertainties; system resilience. Setting value chain boundaries for evaluation, from upstream inputs all the way to consumption and waste.</p>
7	VALUATION METHODOLOGIES: AN OVERVIEW, AND ADVANCES IN MODELING & MEASUREMENT	<p>From the “what and why” (framework) to the “how” (methodologies) of valuation. Recognizing alternative valuation methodologies in agri-food contexts (eg: production function vs replacement cost), their applicability, selecting the most fit-for-purpose. In ‘eco-agri-food’ systems context, summarizing useful valuation methodologies (include brief overview of TEEB-Do Ch5). Addressing which flows along value chains are ethical or appropriate to measure, qualify, quantify, or monetize. Considering lock-ins, leverage points, and governance factors that influence evaluations. The role & ethics of discounting (include brief overview of TEEB-Do Ch6). The integral need for counterfactuals and scenario analysis in valuation.</p> <p>Advances in measuring and modeling food value chains; “cradle to grave” evaluations; advances in establishing value chain traceability (including illustrations) and importance for TEEBAgriFood Framework applications. Advances in measuring and modeling human health impacts of food and agriculture. (Note: examples to include evaluations /costs of antibiotic resistance, endocrine disruption, lifestyle ailments such as obesity and diabetes, etc). Framing and evaluation of scientific uncertainties.</p>
8	USING THE FRAMEWORK: CHALLENGES AND EXAMPLES	<p>The importance of the Framework as a “set” rather than a “menu”, and of transparency when selecting “sub-sets”. The challenge of data and research availability, and managing with the limits of available research. Prioritizing research to ‘populate the framework’. Commentary on the evolving nature of the Framework as issues, concerns, methods and data recorded today will differ from those used tomorrow. Showcased examples to demonstrate how the framework can be operationalized, through applications which evaluate & compare (a) production systems/management practices, (b) impacts of alternative products, (c) impacts of alternative policy scenarios; (d) impacts of different food</p>

		plates (e) use of unadjusted vs. adjusted National Accounting metrics. (Note: The results of the 4-5 new studies commissioned for applying the Framework will be summarized included here as illustrations.)
9	TEEBAGRIFOOD'S THEORY OF CHANGE	How changing the way we measure the performance of agricultural and food systems (including significant interacting systems such as land use, freshwater management, demographics and labour) can catalyze a broader paradigm shift in evaluation, accounting, education and communication towards changes in policymaking, business and consumer behavior.
10	KEY MESSAGES AND FURTHER EXPLORATIONS	Targeted messages to policymakers; to businesses; to farmers; and to citizens. Leads to be explored further by further TEEBAgriFood reports to Policy makers, to Agri-businesses, to Farmers and to Citizens

'FOUNDATIONS' REPORT GANTT CHART

Activity	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17
Detailed report wireframe	█														
Detailed project plan	█	█													
Convene Comms Committee	█	█													
Call for Interest	█	█	█												
Call for Evidence	█	█	█	█	█										
Chapter CLA/LA identification		█	█	█											
Design/Contract pilot studies		█	█												
Chapter CLA/LA commitment			█	█											
Chapter CLA/LA contracting			█	█	█										
Assembling evidence				█	█										
1st Writers workshop					█										
Preparation of first drafts					█	█	█	█							
2nd Writers workshop								█							
Preparation of revised drafts								█	█	█	█				
Nominate/Engage Peer Reviewers											█				
Peer Review											█	█	█		
3rd Writers Workshop (web)											█				
Integrate peer review													█	█	
Editing														█	█
Graphic design															█

LIST OF PARTICIPANTS

| UPDATED 3 FEB 2017 |

#	SURNAME	NAME	E-MAIL	ORGANIZATION
1	ACEVEDO	Francisca	facevedo@conabio.gob.mx	National Commission for Knowledge and Use of Biodiversity – Mexico (CONABIO)
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18	KUMAR	Pushpam	pushpam.kumar@unep.org	UN Environment
19	LAURANS	Yann	yann.laurans@iddri.org	Institute for Sustainable Development and International Relations (IDDRI)
20	MAY	Peter	peterhmay@gmail.com	Federal Rural University of Rio de Janeiro
21	MILLER	Dustin	dustin.miller@unep.org	UN Environment – TEEB Office
22	MUELLER	Alexander	alexander.mueller@unep.org	UN Environment – TEEB for Agriculture & Food
23	MUELLER	Lars	lars.mueller@ec.europa.eu	DG-Environment, European Commission
24	NAQVI	Asad	asad.naqvi@unep.org	UN Environment –Green Economy Advisory Services
25	OBST	Carl	carl_obst@me.com	Institute for the Development of Environmental-Economic Accounting (IDEEA)
26	PENGUE	Walter	wapengue@ungs.edu.ar	Universidad Nacional de General Sarmiento

27	PLATAIS	Gunars	gplatais@worldbank.org	World Bank
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29	SANDHU	Harpinder	harpinder.sandhu@flinders.edu.au	School of the Environment, Flinders University
30	SANTAMARIA	Marta	marta.santamaria@naturalcapitalcoalition.org	Natural Capital Coalition
31	SHARMA	Kavita	kavita.sharma@unep.org	UN Environment – TEEB Office
32	SUKHDEV	Pavan	pavan@gistadvisory.com	GIST Advisory / UN Environment Goodwill Ambassador
33	TIRADO	Cristina	crisnatirado@ucla.edu	Institute of Environment and Sustainability, University of California - Los Angeles
34	VAUSE	James	james.vause@unep-wcmc.org	UNEP-WCMC
35	WEIGELT	Jes	jes.weigelt@iass-potsdam.de	Institute for Advanced Sustainability Studies (IASS)
36	ZHANG	Wei	w.zhang@cgiar.org	International Food Policy Research Institute (IFPRI)

LOGISTICS

Workshop Venue

The writers workshop is to be held at **The David Attenborough Building** (pictured above, see **Map below**) in meeting room 1.25.

The David Attenborough Building
Pembroke Street
Cambridge CB2 3QZ (SAT NAV use CB2 3QF)

Tel: +44 (0)1223 331300 || reception-cciservices@conservation.cam.ac.uk
Website: <http://www.conservation.cam.ac.uk/contact-us>

Accommodation

Accommodation for all workshop participants has been booked at **The Møller Centre** (see **Map below**).

The Møller Centre
Churchill College
Storey's Way
Cambridge CB3 0DE (SAT NAV use CB3 0DS)

Check-in time: after 15:00 || **Check-out time:** before 12:00

Tel: +44 (0)1223 465500
Website: [The Møller Centre](#) || [Brochure](#)

Traveling to Cambridge

All bus and train tickets can be purchased online in advance.

- Bus: <http://www.nationalexpress.com/airports.aspx>
- Train: <http://www.thetrainline.com>

From Heathrow Airport

By direct bus: estimated journey time: 2h20m

By train: estimated journey time: ca. 2h

- There are two options to reach the train terminal at King's Cross Station: (i) take the long tube journey on the **Piccadilly** line, or (ii) the Heathrow Express rail link to Paddington Station, and then a short tube journey on either the **Hammersmith & City** / **Circle** lines.

From Gatwick Airport

By direct bus: estimated journey time: 3h50m

By train: estimated journey time: 2h20m

- To reach the train terminal at King's Cross Station: take the train to London St. Pancras and then walk from there to King's Cross station (the stations are joined together, the walk should take less than 10 minutes).

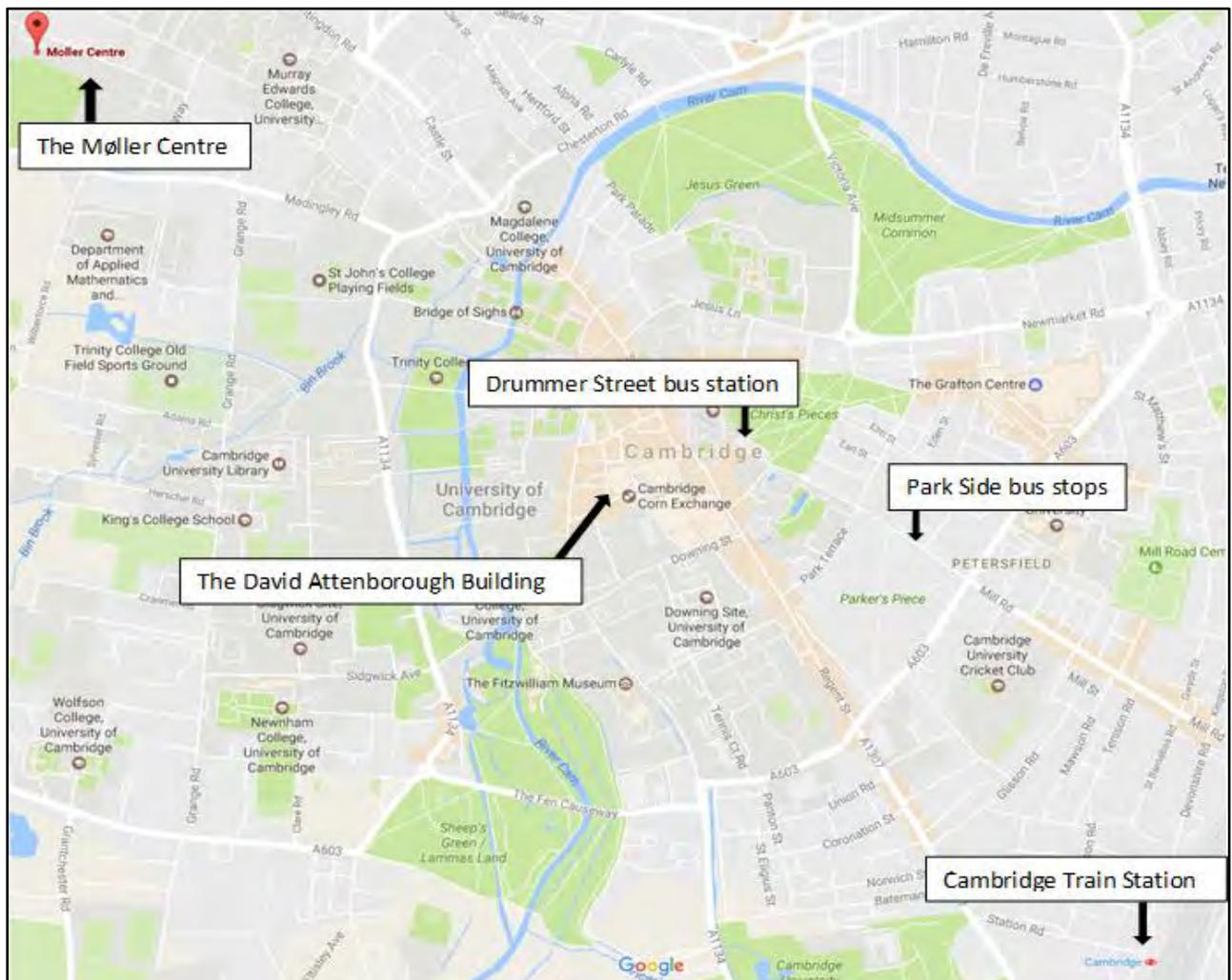
From Luton Airport

By direct bus: estimated journey time: 1h40m

By train: estimated journey time: 2h20m

- To reach the train terminal at King's Cross Station: take the bus to Luton Airport Parkway, then the train to London St. Pancras and then walk from there to King's Cross station (the stations are joined together, the walk should take less than 10 minutes).

Area Map



Local Transport

After arriving in Cambridge, it is recommended to hire a taxi to reach your next destination, whether the Møller Centre or the David Attenborough Building (the latter is also located within 5-10 minutes' walking distance of Drummer Street Bus Station). Group transportation will be organized for each morning from the Møller Centre to the David Attenborough Building.

Local taxi services are operated by [Camcab](#) (01223 704 704) and [Panther Taxis](#) (01223 715 715).

Parking

David Attenborough Building: There is nearby parking available at the Grand Arcade Car Park for a charge of up to £2.60 per hour (more information [here](#)).

The Møller Centre: There is free on-site parking available at The Møller Centre for participants staying at the hotel.

Reclaiming Expenses

Please ensure that you keep all receipts and proofs-of-payment.

All workshop-related expenses are generously financed by the New Venture Fund (NVF) through an agreement with UNEP-WCMC. In addition to return economy class airfare and accommodation for three nights at the Moller Centre in Cambridge, the following costs incurred by participants will be reimbursed within reasonable amounts:

- local UK transport (train, bus and taxi)
- UK visas and associated fees
- non-conference dinners on 12 Feb and 15 Feb (up to £25 per person per meal)
- additional nights accommodation (examined on a case-by-case basis)

Please note that all reclaims will be reimbursed by bank transfer after the workshop. If you require other means of reimbursement, please alert james.vause@unep-wcmc.org immediately.

How to reclaim expenses:

1. Fill out the provided travel claim form.
 2. Attach copies of receipts and proofs-of-payment.
 3. Send to james.vause@unep-wcmc.org and dustin.miller@unep.org no later than 5 March 2017.
-

Flights

Kindly note that all flights are final upon booking and cannot be changed.

Local Information

For a comprehensive guide on things to do, accommodation and restaurants along with other Cambridge visitor information, visit www.visitcambridge.org.

Currency

The Pound Sterling (£ or GBP) is the official currency of the UK. While some businesses, including hotels, restaurants and shops, may accept Euros or US Dollars, this is a rare occurrence and should not be relied upon. All major credit and debit cards are widely accepted.

Electricity

The electricity supply voltage in the UK is 240 V AC (RMS) at 50 Hz, using a [three-rectangular-pronged plug](#).

Weather

February in the UK can be a bit cold (average temp: 5°C) and rainy (average rainfall: 33mm) so please pack accordingly. Local forecasts can be found [here](#).

Contact Persons

Dustin Miller, UNEP TEEB (all workshop-related queries)

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dustin.miller@unep.org

James Vause, UNEP WCMC (local queries)

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(+41) 22 999 0288

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Disclaimer

UNEP-WCMC and WCMC disclaim all responsibility for medical, accident and travel insurance, for compensation for death or disability compensation, for loss of or damage to personal property and for any other loss that may be incurred during your travel time or the period of your participation in the meeting.

In this context, it is strongly recommended to secure international medical insurance for the period of your participation prior to departure.