



## **2050 Calculator international conference**

### **Final agenda**

**Note: The conference is designed to be discussion focused and will be under the Chatham House rule.**

**The dress code is smart casual.**

#### **Day 0: Tuesday, November 12th, 2019**

##### **15:00-17:00 – Training, Climact (invite only)**

This session is aimed at familiarising participants with the Calculator objectives and architecture. After a short introduction, participants will be invited to play with the online version of the UK Calculator.

- Introduction by Climact: Calculator's objectives, logic and architecture and international adoption
- Role play – Interactive session: By groups, participants will:
  - Create decarbonisation pathways reflecting priorities of illustrative interest groups (e.g., environmentalists, conservative industry, consumer associations...)
  - Present results and share experience

## Day 1: Wednesday, 13 November 2019

**09:00-09:30 – Welcome and registration**

**09:30-10:00 – Introduction to 2050 Calculator international conference**

*Laura Aylett, Programme Manager, 2050 Calculator, **BEIS, UK** /  
Madeleine Rawlins, Climate Resilience, **Mott MacDonald, UK***

**10:00-10:30 – Warm up activity**

*Video message from Laurence Tubiana, President and CEO, **European Climate Foundation***

**10:30-11:00 – David MacKay's legacy – The philosophy of the Calculator**

*Tom Counsell, **Engineering Consultant, UK***

*Anna Stephenson, Africa Energy Lead, **Department for International Development (DFID), UK***

**11:00-11:30 – Coffee/tea break**

**11:30-13:00 – Session 1: The Calculator and net zero**

*Moderated by Jan Kiso, Industrial Decarbonisation, **BEIS, UK***

- Greenhouse gas removal technologies – *Cathy Johnson, Science Team, **BEIS, UK***
- The UK's net-zero target and challenges to overcome – *Richard Millar, Senior Analyst, **Committee on Climate Change, UK***
- Updated net zero Belgian Calculator – *Koen Meeus, Climate Change Section, **DG Environment, FPS, Health, Food Chain Safety & Environment, Belgium***
- European net-zero scenarios and trade-offs – *Jerome Meessen, Senior Consultant, **Climact, Belgium***

Discussion of how the Calculator can inform the net zero discussion.

**13:00-14:00 – Lunch**

**14:00-14:45 – Session 2: China 2050 Calculator**

- Model developments including water – *Yufeng Yang, Energy Expert, **Asian Development Bank/Imperial College, China***

**14:45-15:30 – Session 3: India: IESS 2047 Calculator in India**

- Use of IESS in policymaking – *Aakriti Kapoor, Young Professional, **NITI Aayog, India***
- State-level Calculators – *Pulkit Kapoor, Senior Consultant, **ICF, India***

**15:30-16:00 – Coffee/tea break**

**16:00-16:45 – Session 4: Vietnam – policy use**

- 2050 Calculator experiences in Vietnam – *Hoang Van Tam, Deputy Head, Office for Climate Change and Green Growth and 2050 Calculator Project Manager, **Ministry of Industry and Trade, Vietnam** / Nguyen Quoc Khanh, Senior Energy Consultant, **2050 Calculator, Vietnam***

**16:45-17:30 – Breakout discussion**

- How can we ensure Calculators have a policy impact? – *Jenny McInnes, Deputy Director for Partnerships & Capability, **BEIS, UK***

**18:00-21:00 – Drinks reception (Mott MacDonald) and private dinner**

## Day 2: Thursday, 14 November 2019

### 09:00-10:00 – Session 1: Land-use

*Dr Jem Woods, Co-Director of Centre for Energy Policy and Technology (ICEPT), Imperial College London, UK / Keith Kline, Distinguished R&D Staff, Environmental Sciences Division, Oak Ridge National Laboratory, USA*

Measuring, monitoring, reporting and managing the current and future emissions and carbon stocks from on and under our land is emerging as one of the critical challenges for effective climate mitigation and adaptation. This session will assess the progress made over the last decade and persistent gaps in understanding the dynamics and drivers of land use in relation to the development of the 2050 Calculators.

### 10:00-10:30 – Coffee/tea break

### 10:30-12:30 – Session 2: EU Calculator (EUCalc) – Updates in the model development: Improvements and challenges including interactive session with the EU Transitions Pathways Explorer

#### *EUCalc consortium*

This session will be organised in **three parts**: Introduction with some short talks (30 min); Discussions in small groups (1 hr); Feedback from group to the plenary (30 min):

- Each small group will be moderated by an EUCalc consortium team member
- Depending on how fast the Transitions Pathway Explorer is, one group may be able to use all features freely (e.g., moving levers)

Groups should have no more than 6-8 participants.

### 12:30-13:30 – Lunch

### 13:30-13:45 – 2050 Calculator QUIZ

*John Watterson, Knowledge Leader GHG Emission Inventories, Ricardo, UK*

### 13:45-14:30 – Session 3: Powering Past Coal Alliance

*Emma Owens, Senior Policy Advisor – Powering Past Coal Alliance, BEIS, UK*

- How the UK started to phase-out coal
- Membership and aims of the Powering Past Coal Alliance
- Discussion

### 14:30-15:30 – Session 4: UK's MacKay Carbon Calculator

*Martha Elliott, Modeller, UK 2050 Calculator, BEIS, UK*

- UK's updated version including innovations in hydrogen

### 15:30-16:00: Coffee/tea break

### 16:00-17:00 Session 5: Use of the Calculators in schools and with the public

- Belgium – *Elisabeth Ellegaard, Senior Policy Advisor, Climate Change Section, DG Environment, Federal Public Service Health, Food Chain Safety & Environment, Belgium*
- South Africa – *Lindiwe Olga Chauke, Director of Climate Change Research, Department for Environment Affairs*
- Development of the European Calculator MOOC and education strategies – *Patricia Osseweijer, Section Leader of Biotechnology and Society, Delft University of Technology*

### 17:00 – Wrap-up and networking

## Day 3: Friday, 15 November 2019

### 09:00-09:30 – Session 1: The international policy landscape

*Chris Dodwell, Director, Climate Change and Clean Growth, Ricardo, UK*

- COP 26 and the UNFCCC timetable
- NDC updates
- Long term strategies

### 09:30-10:15 – Session 2: Green finance

*Ed Hogg, Senior Policy Advisor, Green Finance, BEIS, UK*

- The UK's green finance strategy
- Applications of the Calculator in greening finance and financing green
- Discussion on Calculator applications and engaging the finance sector

### 10:15-10:45 – Coffee break

### 10:45-12:00 Session 3 – Use of the Calculator in cities

*Clare Wildfire, Cities Practice Leader, Mott MacDonald, UK*

- **Video from Wellington on its city scale Calculator**
- **Demand side** – What are the issues regarding persuading cities to engage with the Calculator? What are their motivations, the benefits it will bring, etc?
  - Setting the scene: The contribution that cities can make and the interplay between national and city scale – *Malvina Bondy, GHG Emissions Data Analyst, C40, UK*
  - Q&A
- **Supply side** – What are the technicalities with moving the Calculator into the city space? Boundaries, data gathering, etc
  - Da Nang City Calculator, Vietnam – Hoang Van Tam, Deputy Head of the Office for Climate Change and Green Growth/2050 Calculator Project Manager, **Ministry of Industry and Trade, Vietnam**/Nguyen Quoc Khanh, Senior Energy Consultant, **2050 Calculator, Vietnam**
  - Beijing City Calculator - Yufeng Yang, Energy Expert, **Asian Development Bank/Imperial College, China**
  - Q&A
- **Wrap up**

### 12:00 – Closing remarks

*Laura Aylett, Programme Manager, 2050 Calculator, BEIS, UK*

### 12:30-14:00 – Lunch

### 12:30-14:00 (optional working lunch) – Deploying renewable energy at scale in Africa – Strategic system planning and renewable auctions

*Guy Doyle, Energy Economist, Mott MacDonald, UK*

## CLOSE

### 14:00 – Guided walking tour of Windsor (optional)

**Please note:** During this event sound and images may be captured using photography, video and audio recording, which may include pictures and audio of you. By attending this event, you are deemed to have given your consent to us processing personal information about you, in accordance with our [privacy policy](#), that we collect whilst taking images and videos at the event. In particular, we may use photos, videos and audio taken of you at the event for the purpose of producing publications or other media material, including but not limited to magazines, publications, website articles and/or social media posts, and sharing these with our clients and the wider public. Specifically, we will be recording a podcast of the event, to include interviews with speakers/presenters.