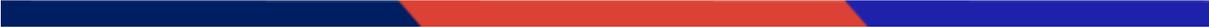


# 2050 Calculator



## What's happening in the 2050 Calculator community?

With six months to go until the start of COP26, the COP President Designate Alok Sharma gave a [speech](#) from Whitelee Windfarm, near Glasgow, outlining the urgent action required to keep within reach the aim of limiting global temperature rises to 1.5 degrees. To meet this objective, we must halve global emissions by 2030, and therefore must act now to launch a consistent and concerted effort to reduce emissions throughout the next 10 years.

In support of this, we are pleased to bring you information and updates from our ever-growing 2050 Calculator community – including announcing the date of **30 September** for our own [annual international conference](#).

The £3M 2050 Calculator programme will support up to 10 countries around the world to upgrade and/or develop new 2050 Calculators. The ultimate objective is to support governments to deepen their domestic action on climate change and strengthen ambition under the 2015 Paris Agreement.

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### **How to maximise Calculator impact on climate policy ahead of COP26**

Over 10 years after the first 2050 Calculator was created – and six Calculators later – it's time to take stock of the impact Calculators have had on creating pathways to net-zero. The 2050 Calculator allows users to design a future energy system and to instantly see the impact of their choices on emissions. Therefore, with under six months to [COP26](#) and the need for more ambitious [Nationally Determined Contributions \(NDCs\)](#) to stay within 1.5°C of global warming, it's important to recognise the Calculator's potential to influence and help determine future climate ambitions. **[Read more.](#)**

### **Logic trees and the 2050 Calculator**

Logic trees are a key foundation in the development of a 2050 Calculator. What is a logic tree, and why they are so important to develop Calculators? **[Read more.](#)**

## Calculators around the world – updates

### Belgium

The newest [Belgian 2050 Calculator](#) has been publicly released. “*Climate neutrality is technically feasible, it is now up to politicians to make choices,*” said Belgium’s Climate Minister Zakia Khattabi (Ecolo). The minister has made the report available to all governments and parliaments in the country, so that it can be discussed in a public debate. **[Read more](#)**.

### India

The 2050 Calculator consortium is now providing advice and technical support to update India’s national Calculator, known as the India Energy Security Scenarios (IESS) 2047. Having previously been used to inform India’s draft national energy policy, the updated Calculator will move to a one-year projection structure and incorporate exciting new developments to reflect India’s changing energy landscape. The work will be led by Prof Rangan Banerjee of leading engineering university, IIT Bombay, and will be housed within the Government of India’s public policy think tank, NITI Aayog. The consortium looks forward to continuing to provide the team with the resources, training and support necessary to enhance the existing Calculator and make it ready to meet India’s ambitious climate goals.

### Malaysia

The Malaysian team is finishing entering data into the master Excel model. Focus group discussions for each sector are planned throughout June and will include key experts. The team is also devising outreach activities and is planning to launch the webtool at the [International Greentech & Eco Products Exhibition & Conference Malaysia \(IGEM\)](#) in August 2021, in order to reach a large, engaged audience.

## Nigeria

A stakeholder engagement meeting on the Nigeria Energy Calculator (NECAL2050) was held in Abuja on 22 April to discuss data findings, pathways and gaps. Representatives of Nigeria's key sectors and associated organisations were in attendance.

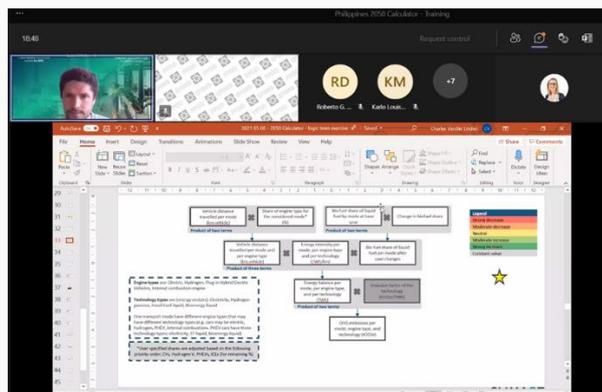


This milestone engagement was chaired by the Honourable Minister Dr Ogbonnaya Onu of the Federal Ministry of Science and Technology, with a keynote address delivered by Chief Scientific Officer, Dr Abdulwaheed Ahmed of the Energy Commission of Nigeria (ECN). The stakeholder meeting included plenary and breakaway sessions covering building, electricity and gases, transport and industrial sectors, as well as land, bioenergy and waste sectors.

Draft excel model development has now commenced.

## The Philippines

The Philippines team is continuing with data gathering and logic tree training. Much of the focus at this point is on (a) sources of data and how to overcome gaps in data; and (b) how to modify the model to make it more suitable for the Philippines context.



## Thailand

The Thai team is finishing up the prototype model in Phase 1 (following the UK structure). They have completed data collection for transport, industry and building sectors, with the remaining sectors expected to be complete in early June. In parallel, for the completed sectors, the team is starting to work on Phase 2 – to adjust the model structure in accordance with the context in Thailand. Stakeholder engagement is planned for July.

## Vietnam

The team in Vietnam is currently undertaking stakeholder consultations on its draft one-pagers, ahead of finalising the Excel tool and converting to a webtool in late July/early August. Thoughts are now turning to outreach and launch activities, which will include a series of e-lectures, articles and events, including how best to tap into COP26 activities for maximum impact.

## Zimbabwe

The Zimbabwe 2050 Calculator project is officially underway. Named the Zimbabwe Emission Reduction Decision Support Tool (ERDST), the project kick-off took place in early May. The project's country-level sponsor

is the Ministry of Environment, Climate, Tourism and Hospitality Industry's Climate Change Management Department (MECTHI – CCMD), while the project downstream partner is the Scientific and Industrial Research and Development Centre (SIRDC).

The development of a 2050 Calculator in Zimbabwe is a welcome and timely development for the country as it harmonises indicators in policy development and target-setting during future sectoral strategy development



based on Zimbabwe's unique energy mix.

## **Conferences and events**

2050 Calculator International conference

30 September 2021

**Mark your calendars** – we're planning to hold our annual international conference virtually this year on **Thursday, 30 September**. The focus will be on ensuring completed Calculators are used in policy making, in particular to support governments to deepen their domestic action on climate change and strengthen ambition under the 2015 Paris Agreement. More details to follow.

COP26

1-12 November 2021, Glasgow, UK

The United Nations Climate Change Conference, also known as [COP26](#), will be held in Glasgow, Scotland, this November under the presidency of the UK government. The event is designed to produce an international response to the climate emergency.

We have plans to be in attendance at COP26 and will keep you informed of developments.

## **About us**

2050 Calculator delivery partner

To deliver the 2050 Calculator programme, BEIS appointed a Mott MacDonald-led consortium as its delivery partner. Our consortium includes [Mott MacDonald](#), [Climact](#), [Imperial College London](#) and [Ricardo](#).

We provide technical and capacity building support for governments and other stakeholders as they develop and use their Calculators; and we are responsible for disbursing UK Government funding to in-country Downstream Partners where required to ensure sufficient resources are available. Over the course of the programme, we are also working to build and connect the international Calculator community through conferences and other communication channels. We invite you to visit the [2050 Calculator website](#) and to join us on [LinkedIn](#).

### Delivery team highlights

#### Isabelle Hillson



**Programme Officer – 2050 Calculator & CFA International Climate Finance, Department of Business, Energy and Industrial Strategy (BEIS), UK Government**

Izzi is a programme officer in BEIS' International Climate Finance team. She works on the 2050 Calculator programme on projects in Africa and South-East Asia. Izzi joined the team earlier this year following completion of her Master's in International Development, and after working for several years as a policy analyst at a political consultancy in Westminster, London.

#### David Orr



**Trade and Investment Account Leader, Mott MacDonald**

David is the 2050 Calculator programme's country manager for India and Kenya, both of which have recently started building their own country Calculators. David is currently leading Mott MacDonald's trade and

investment strategy across Africa, the Middle East and South Asia. Beyond the office, David is passionate about promoting access to science, technology, engineering and mathematics (STEM) in low resource contexts and is an executive in a non-governmental organisation (NGO) that provides STEM training and resources in West Africa. He was recognised by the United Nations Global Compact in 2020 for his efforts to promote sustainability and is a United Nations Global Compact Sustainable Development Goals Young Innovator.

## CONTACT US



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