

2050 Calculator



What's happening in the 2050 Calculator community?

We welcome you to read our article on the [Effective use of Calculator outputs](#). We're also pleased to share the ['How to build a Calculator' guide](#), which was previewed at our [annual international conference](#) in April.

You can also find updates on [Calculators around the world](#) over the last six months, including the launch of the [India Energy Security Scenarios \(IESS 2047\) Calculator](#).

In this issue:

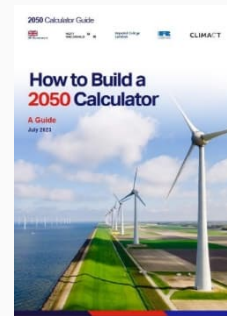
- [Effective use of outputs from the 2050 Calculator](#)
- ['How to build a Calculator' guide](#)
- [2050 Calculator international conference](#)
- [Calculators around the world – updates](#)
 - [Colombia](#)
 - [India](#)
 - [Kenya](#)
 - [Malaysia](#)
 - [Nigeria](#)
 - [The Philippines](#)
- [About us – delivery team](#)

Effective use of outputs from the 2050 Calculator

Making the best use of Calculator outputs is important, especially as countries can use outputs to help guide and refine greenhouse gas (GHG) mitigation policies and, in general, to educate and inform. [Read more.](#)

'How to build a Calculator' guide

This guide will walk you through the process of building a 2050 Calculator, step by step, based on the experiences of teams around the world who have already built their own Calculators. You can reference the guide for your Calculator needs from the [resources](#) page (click on 'How to build a Calculator') of our [website](#).



2050 Calculator International workshop

26-27 April 2023

At the end of April, over 100 delegates representing 11 countries from around the globe, came together for the annual 2050 Calculator conference, held in Richmond, south-west London, UK. Over two days, delegates learned lessons and best practice from panels and speakers, and shared experiences by participating in roundtables. The conference ended with a guided tour of Kew Gardens on the third day. Due to the Covid-19 pandemic, this was the first in-person conference since Windsor, UK, in 2019. You can read more about the event, see photos, and watch our conference highlights video on the [events](#) page of our [website](#).

Calculators around the world – updates

Colombia

A validation workshop was undertaken during April to review the Excel modules, validate the data in the draft tool, and foster key government stakeholders. The workshop allowed the team to receive adequate feedback to improve the tool and provided further data to allow for the tool to be more

robust. The webtool is now being implemented in parallel with the latest Excel module adjustments. Once these activities are finished, the Calculator will be officially launched.

India

We're thrilled to announce that India launched its updated Calculator in July. Known as the India Energy Security Scenarios ([IESS 2047](#)), the tool was launched at an event in Delhi with



speakers including the Chief Executive Officer of NITI Aayog, Shri B V R Subrahmanyam; the G20 Sherpa, Shri Amitabh Kant; and the Director of IIT Bombay, Professor Subhashis Chaudhary. Housed by the Government of India's NITI Aayog and developed with IIT Bombay, the updated IESS 2047 is the culmination of over two years of work and is the third update to the Calculator. IESS 2047 is expected to be used by government, private sector, academic, and NGO stakeholders. You can watch the [IESS 2047 launch event](#).

Kenya

Building on earlier workshops, a three-day training session was held with the Ministry of Energy and associated agencies in Naivasha in late June to embed [KCERT 2050](#) within Kenya's low carbon



polycymaking. The team is also developing a My2050 version of the Calculator, which will be shared with primary and secondary school students across the country. In the coming months, the team will lead more

workshops for government stakeholders, develop a plan to embed KCERT 2050 within Kenyan university curricula, and share lessons from its development with organisations in Tanzania and Uganda.

Malaysia

In the past six months, the Malaysian Green Technology and Climate Change Corporation (MGTC) has undertaken various stakeholder engagement activities, particularly with academic institutions. One of the academic institutions, University Tenaga Malaysia, also attended the annual Calculator conference in London in April and has agreed to collaborate with MGTC to include the **Malaysia Climate Action Simulator (MCAS)** tool in its teaching syllabus. This collaboration, coupled with a formal launch of MCAS, scheduled for October, will mark a significant achievement for the programme in Malaysia.

Nigeria

The Energy Commission of Nigeria (ECN), in collaboration with the Federal Ministry of Environment, and the UK Department for Energy Security and Net Zero (DESNZ), held



two regional awareness workshops in Bauchi and Sokoto in May, to provide information and solicit feedback from local government, business, academia, and other stakeholders on [NECAL 2050](#).

The team is busy preparing for a further regional workshop in Benin in August. In the meantime, they've been hard at work updating the Calculator to a 2060 version, in alignment with Nigeria's net-zero commitments. The team are also updating the baseline year from 2015 to 2019.

The Philippines

The Department of Energy, along with the National Consulting Team, Mott MacDonald, and the UK Embassy, have completed several high-level engagements with key government agencies over the last couple of months. One briefing was with Secretary Toni Yulo-Loyzaga of the Department of Environment and Natural Resources, and the Chair-designate of President Marcos of the Climate Change Commission. The briefing led to a convening of the Climate Change Commission, where the **Philippine Emissions Pathways Calculator (PEPC)** was officially adopted by the Philippine government. A resolution on PEPC will be promoted by the Climate Change Commission. These are significant achievements for the program and further activities have been planned in the lead up to the public launch of PEPC in Q4 of 2023.

About us

2050 Calculator delivery partner

To deliver the 2050 Calculator programme, the UK Government 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're 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're 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](#) for news, updates, and discussion.

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