

2050 Calculator

What's happening in the 2050 Calculator community?

With less than two months to go before the UK hosts the [2021 United Nations Climate Change Conference \(COP26\)](#) in Glasgow, we're pleased to bring you the latest updates from our ever-growing 2050 Calculator community in support of governments accelerating action towards the goals of the Paris Agreement. In this edition, we discuss how complex country Calculators should be, and bring you the latest highlights from Calculators around the world – including from our **newest Calculator team in Kenya**. We also provide further details on our [annual international conference](#), which will take place on **30 September**.

The 2050 Calculator programme is set to support up to 10 countries globally to upgrade and/or develop new 2050 Calculators. At present, more than 60 countries, territories and cities across the world are covered by Calculators, including a Global and European Calculator. Recent additions to the international Calculator family include the US and Taiwan.

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How complex should Calculators be?

It's hard to provide simple guidance, but it helps to look at a guiding principle that shaped the development of the 2050 Calculator – keep it simple. **Read more.**

Calculators around the world – updates

India

The India team continues to move at pace to update the country's existing Calculator, the India Energy Security Scenarios 2047 ([IESS 2047](#)). Over the past five months, the [Indian Institute of Technology \(IIT\) Bombay](#) team has transformed their model from a five-year to annual structure, helping to make their Calculator more accurate and relevant to policymakers. The team has engaged extensively with the 2050 Calculator consortium through training sessions. In the next few weeks, the team expects to have a draft webtool ready and will then move on to sector data updates. We look

forward to supporting the team along the way.

Kenya

We're pleased to welcome Kenya to the Calculator programme! Our newest Calculator team is already in full swing – since kicking off their project, the [Strathmore University](#) team has made significant advances in the development of their Excel model and has completed draft one-pagers and logic trees for six sectors. The team is particularly collaborative and proactive, engaging weekly with the Government of Kenya's Ministry of Energy, the British High Commission Nairobi, Strathmore University and the 2050 Calculator consortium. Support for the Calculator is displayed at the highest levels, and a Board of Advisors has been established to provide the necessary insights and support to make Kenya's Calculator a success. In the coming months, the team will be launching a series of stakeholder engagement workshops as they build their model. We look forward to continuing to support the development of the Kenya Calculator, which we believe will serve as a pioneer for broader climate action across the East Africa region.

Malaysia

The Excel model has been finalised and is now being converted into the webtool. In parallel, the team is defining outreach activities, including a launch event, various training workshops and a standalone website.

Nigeria

The team has been hard at work to complete the NECAL 2050 model. This has been a grand effort on the part of the modelling team at Energy Commission of Nigeria (ECN) and the Ministry of Environment, supported by the programme consortium and appointed sector leads. Webtool

conversion is now imminent. We look forward to showcasing the final product with you all soon!

The Philippines

A project management session was held in August, led by the programme consortium. Data collection continues, with definition of the levers and levels.



A high level meeting is planned in September to discuss lessons learnt and progress to date. The event will be attended by representatives from the UK Government (BEIS, FCDO), Philippines Department of Energy and leaders and core members of the Philippines' 2050 Calculator team, including consortium members.

Thailand

The Thailand team has completed data collection and assumptions for transport, industry, electricity generation and land use sectors, which are now being reviewed and consolidated. Meanwhile, the team is modifying the model structure of the building sector to make it suitable for Thailand's country context. Stakeholder consultations are planned for October 2021 to January 2022.

Vietnam

The team is targeting to finalise their Excel model and will begin the conversion to webtool this month, in advance of the annual international Calculator conference on 30 September.

Zimbabwe

Work has begun – the Zimbabwe team has undergone advanced Excel training and has now commenced with their sectoral ‘deep dives’. Stakeholder engagement planning is underway for October, during which time the project will be officially launched and key technical and energy policy players engaged.

Conferences and events

2050 Calculator International workshop

30 September 2021, 8-10:30am (UK time)

Mark your calendars – our annual international conference will take place on **Thursday, 30 September** in the format of an interactive workshop. Based on feedback from our Calculator community survey, we’re planning to hold interactive ‘breakout room’ discussions on **policy development**, **data collection challenges** and **stakeholder mapping and engagement**. Country teams will also present Calculator updates. We’re also pleased to announce that **Damitha Adikaari, Head of Energy Science and Innovation at the UK Government’s Department for Business, Energy and Industrial Strategy (BEIS)** will provide the opening keynote address, showcasing the UK McKay Carbon Calculator and sharing an update on what the UK is doing in the science and innovation space. Workshop invites have already been sent out, with joining instructions to follow. Please RSVP if you haven’t done so already.

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. Look out for Calculator demonstrations at relevant country exhibits across the conference.

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

Adina Popa



Project Director, 2050 Calculator Programme, Mott MacDonald

Adina is an experienced project director and programme manager with a proven track-record in leading large multidisciplinary teams on projects worldwide. She is responsible for initiation and successful management of many projects including framework contracts and grant funding. Adina has over 30 years of experience advising investors, developers, and government bodies, providing technical assistance and

advisory services on strategy and policy development, bankable feasibility studies, setting up procurement strategy and launch frameworks for 'first-of-a-kind' projects, project appraisal, monitoring and evaluation, capacity building, technology innovation, R&D, incubation support and due diligence.

Marion Latiers



Energy and Climate Change Consultant, Climact

Marion is a bioengineer who specialises in data management. She joined CLIMACT, a consulting and project development company active in energy transition and the fight against climate change, in 2018. Marion works on the development of various tools to simulate long-term greenhouse gas emission trajectories at different levels (international, national, regional) and has specially developed her expertise in the building sector. She is pleased to be part of the BEIS 2050 Calculator programme to help countries develop their own energy models as an interactive tool used by stakeholders and governments to cut carbon and improve the world of tomorrow.

CONTACT US



UK Government

MOTT
MACDONALD M M

Imperial College
London



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Mott MacDonald House, 8-10 Sydenham Road, Croydon CR0 2EE, United Kingdom

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