

2050 Calculator

What's happening in the 2050 Calculator community?

A lot has happened in the Calculator community in the last three months! We've celebrated the achievements of the Calculator through our [annual international workshop](#) in September, [Global Green Growth Week](#) in October and [COP26](#) in November. In this edition of our newsletter, we also discuss [quality assurance and quality control measures](#) for Calculators, and bring you the latest highlights from [Calculators around the world](#), including the official kick-off of the [Kenya Calculator](#) programme.

We'd like to take this opportunity to wish you and your families a safe and happy holiday season and look forward to continuing to keep in touch in the New Year.

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How do you achieve quality in a 2050 Calculator?

What checks should be done to ensure quality and how can quality considerations be built into the climate Calculator process? [Read more.](#)

Calculators around the world – updates

India

The India team continues to progress well. The latest version of the updated IESS 2047 model was released for internal review in November. We're providing a comprehensive 'health check' to understand how the Calculator can be made even stronger. Key changes include shifting the balancing algorithm for the tool from coal to renewables, moving the structure from a five-year to annual model, and providing users with greater flexibility on levers. The next step for the team is to explore policy linkages and webtool applications for a wider audience, including students of all ages. We continue to support the India team in this exciting journey.

Kenya

Kenya continues to power through their ambitious timetable to launch the Kenya 2050 Calculator by March 2022. The team has embraced a highly stakeholder-focused approach and has convened a steering board comprised of senior stakeholders from Kenya's public, private, civil society organisation and academic spheres to provide the guidance and buy-in

needed for success. This has been complemented by a co-design workshop and their first stakeholder engagement session. The Excel team continues to make significant progress, meeting with sectoral experts three times per week and drafting Excel models and one-pagers well ahead of schedule.



An official kick-off event was held for the Kenya 2050 Calculator programme at Strathmore University on 16 November. The event provided an opportunity to showcase the team's vision for the Calculator and to cement Kenya's climate

leadership position in East Africa. The kick-off event was presided over by the Vice Chancellor of Strathmore University, with presentations from the UK Government, Kenya's Ministry of Energy and the British High Commission Nairobi. Over 40 delegates from the private, public, civil society organisation and multilateral sectors participated in the event, demonstrating the broad interest in the 2050 Calculator in the country. You can watch the Kenya kick-off ceremony on YouTube.

Malaysia

We're working closely with the Malaysia team on the webtool conversion and fine tuning of the Excel model. The completion of the webtool is critical for the upcoming stakeholder engagement sessions. The team has also completed the development of the website that will host the Malaysia Climate Action Simulator (MCAS).



Nigeria



The team is working hard to complete the NECAL 2050 model, and beta testing of the webtool has begun. The NECAL 2050 project was profiled at our 2050 Calculator event held at the UK Pavilion during

COP26. Nigeria's Ministry of Environment described the robust process of development it has undergone to date, where it's headed, and how it will be used to guide Nigeria's net zero ambitions and policy in future. Watch this space!

The Philippines

We're currently providing sector-specific training to the Philippines team to help them transition to the draft Excel model.

Thailand

The Thailand team has completed data consolidation from all sectors. In parallel, the Calculator model is being updated with inputs, data validation and structures based on Thailand's country context. Stakeholder consultations are planned for March 2022, together with completion of one-pagers.

Vietnam

The Vietnam team is undertaking final review of the technical aspects of their Calculator, including one-pager descriptions, Excel sheets and the virtual web. There will be an approval meeting in mid-December, chaired by Mr Tang The Hung, Deputy Director General, Energy Efficiency and Sustainable Development. Our team will demonstrate the tool, with the aim

of holding a launch event before the year-end, to include all relevant stakeholders. Stay tuned.

Conferences and events

2050 Calculator International workshop

30 September 2021

Many of you, our international 2050 Calculator community, joined us for our annual workshop on 30 September. We had participants from over 30 countries on the call and enjoyed lively discussions on Calculator development in relation to policy, data collection and stakeholder challenges. You can watch a [playlist](#) of the presentations and breakout room discussions. Thank you to all our speakers and participants for creating an enjoyable and worthwhile workshop – we look forward to the next annual event and to showcasing more completed country Calculators!



Global Green Growth Week

25-27 October 2021

Ahead of COP26, as part of [Global Green Growth Institute's](#) virtual conference, we discussed how 2050 Calculators can inform countries' long-term energy strategies and nationally determined contributions, as part of a panel on the tools and reporting systems that countries can use to achieve net zero. Former Secretary-General of the United Nations, [Ban Ki-moon](#), provided the opening remarks for the conference.



COP26

1-12 November 2021, Glasgow, UK

We were pleased to host a 2050 Calculator event in the blue zone of the UK Pavilion on the last day of COP26.

‘Collaborating for the energy transition – How 2050 Calculators can inform long

term energy strategies and national determined contributions’ featured senior government and academic representatives gathered together to emphasise how the 2050 Calculator is an example of a policy tool which has continuously provided a common, shared language and framework to inform debates across sectors and regions to effect real-world action in tackling climate change and reaching net-zero goals before, during, and after COP26. There was great interest in the discussion, with the room at full capacity and many more watching the live stream. You can watch the recording of the event on the UK Government’s [YouTube](#) channel.



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’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.

Delivery team highlights

Sian Evans



Programme Lead, International Climate Finance, Department for Business, Energy and Industrial Strategy (BEIS)

Sian is a Programme Lead within the International Climate Finance team at BEIS, overseeing the delivery of the 2050 Calculator programme. She also leads on the Climate Finance Accelerator, another UK bilateral technical assistance programme, and supports the delivery of International Climate Finance work under the UK-Mexico Climate Partnership. Prior to joining the International Climate Finance team in April 2019, Sian spent four years in Jerusalem, delivering economic development projects in the West Bank and Gaza for the Office of the Quartet and United Nations Office for Project Services. She also has experience working in communications and investor relations for the private sector. Sian holds an MSc in environmental change and management and a BSc in geography.

Paisan Sukpanit



PhD student, Centre for Environmental Policy, Imperial College London

Paisan is a PhD student who specialises in land-based solutions for climate mitigation and adaptation. He joined the Centre for Environmental Policy at Imperial College London in 2017 as a master's student in environmental technology, with a specialisation in natural resource management. Paisan's research currently focuses on the land sector's contribution to climate change mitigation and adaptation. This knowledge is

particularly supportive of the development of the land sector in the 2050 Calculator programme.

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