

## Prosperous living in a low-carbon world: lessons from the Global Calculator

[www.globalcalculator.org](http://www.globalcalculator.org)

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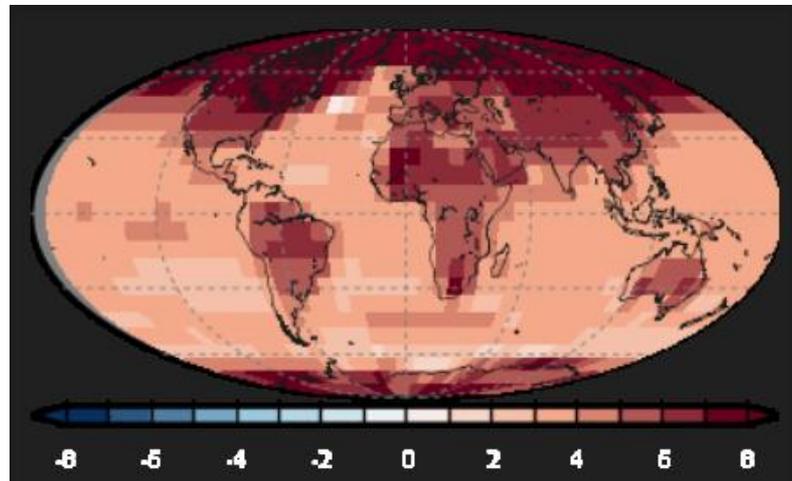


We have developed a Global Calculator to complement the country calculators

# The Global Calculator

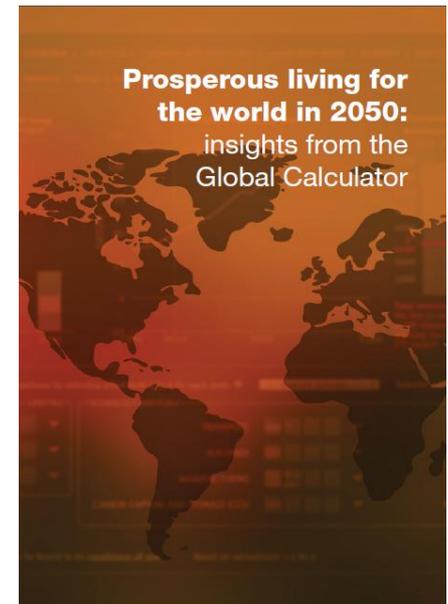
Country Calculators illustrate solutions at the **country level**...

... while the Global Calculator will show how everything adds up at the **global level** and make the case for **tackling climate change**.



We hope our tool and key messages document will facilitate a better debate

# The Global Calculator



**We are targeting those who have an influential voice on energy and climate change issues**

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# The Global Calculator

- **Businesses** – for long-term planning (e.g. which technologies to invest in) and to see the impact they can have on emissions (e.g. introducing efficiency measures)
- **NGOs** – can inform their long-term strategies and campaigns (e.g. lobbying for technologies/changes that make the most impact).
- **Governments** – understanding what the 2°C target means, see low carbon development opportunities and use benchmarks from the tool
- **Universities/schools** – students can discover the impact of mitigation options themselves.

The Global Calculator is already being used

# The Global Calculator

**Helen Mountford, Programme Director, New Climate Economy**

The Global Calculator will help people understand the broad range of activities that can reduce the risk of dangerous climate change

**Mott MacDonald**

It's really helpful to be able to look at impacts and balances between the drivers in the tool to think about how we face the future

**Friends of the Earth**

With crucial climate talks due in Paris later this year, this Calculator demonstrates to our political leaders that a cleaner, safer and fairer future is possible.

The international media response was positive and has helped spread the messages

# The Global Calculator



Le Monde

The Telegraph

THE  
HUFFINGTON  
POST

Newsweek

Daily  Mail

theguardian

It's already been referenced in UK Parliamentary debates

# The Global Calculator

[Kerry McCarthy](#): The global calculator published by the Department last week found that reducing our meat consumption is essential if we are to reduce our contribution towards greenhouse gases. Everyone from the United Nations downwards has for many years been talking about the contribution of the livestock sector to global emissions. His Department has always ignored this issue, so I urge him now to take action and to tell us what he is doing to encourage people to reduce their consumption.

[Mr Davey](#): I think that is a little harsh. My Department published the calculator, so far from ignoring this, we are putting into the public domain not just a UK 2050 calculator but, having helped 20 other countries with their calculators, now a global calculator. It shows that people's lifestyles—not just their meat-eating habits, but their transport and so on—all have an impact on climate change. The calculator enables people to look at the types of choices we may need to make in the future.

It's been successful because of three principles: openness, collaboration, simplicity

# The Global Calculator

1. **Openness** – Excel based tool, fully published and online, with documentation
2. **Collaboration** – global team, global workshops, open consultation



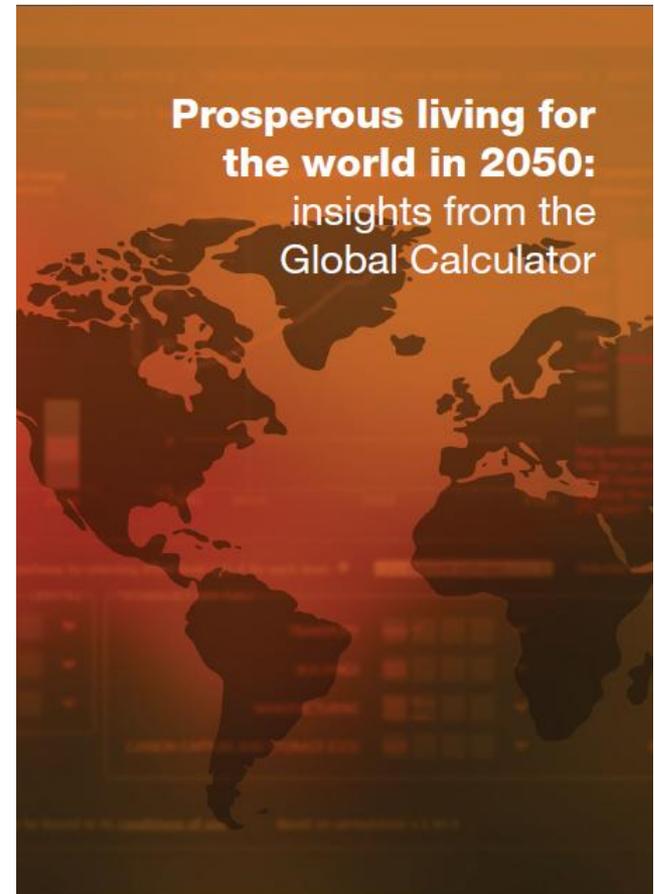
3. **Simplicity** – scenario tool – but all energy, emissions and full range of scenarios

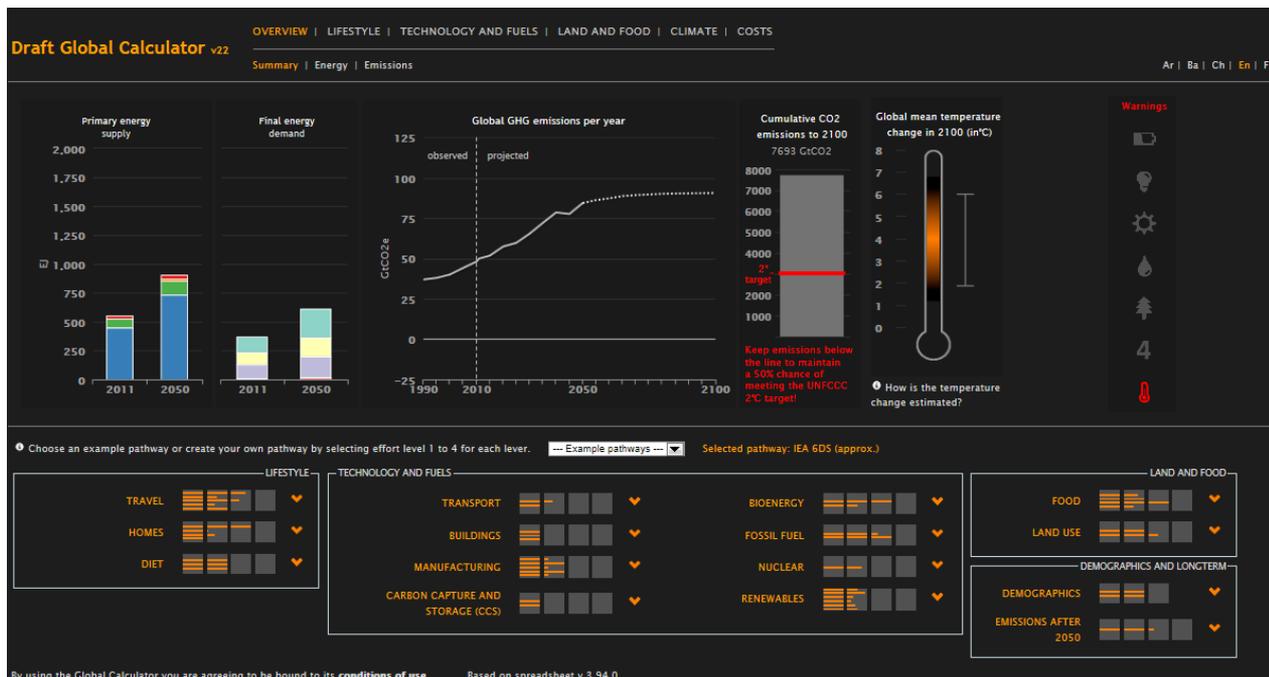
Our report, “Prosperous living for the world in 2050”, provides the key messages

# The Global Calculator

We used the tool to explore four diverse scenarios for the world to 2050. These show:

1. The world could eat well, travel more and live in more comfortable homes + hit 2°C
2. But to do so, we need to transform the technologies and fuels we use
3. We also need to make smarter use of our limited land resources and expand forests by around 5-15% by 2050





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**Any questions?**