



Met Office tendering on behalf of the Department for Science, Innovation and Technology (DSIT).

To register your interest, see notes at the end of this page. Registering interest requires no proposal detail at this stage and carries no obligation to bid.

Please note that this Expression of Interest is open to UK operating and registered organisations only.

Call Reference:		DN680281	
Expression of Interest for:		CSSP China	
Grant Funds for the Period:		1 st April 2024 – 31 st March 2025 <i>Funding is initially available to cover a 1-year period (April 2024 – March 2025). Subject to further funding allocations being received from DSIT, the Met Office will confirm extensions to the Grant Agreement on an annual basis to fund year 2 and year 3 activities.</i>	
Grant Funding:		FEC @ 100%	FEC @ 80%
	Year 1: 1 st April 2024 – 31 st March 2025	£150,000	£120,000
		<i>Subsequent funding for years 2 & 3 to be awarded on an annual basis via an optional extension</i>	
		Year 2: 1 st April 2025 – 31 st March 2026	£150,000 £120,000
		Year 3: 1 st April 2026 – 31 st March 2027	£150,000 £120,000

Key Dates

Estimated Publish of Call: <i>(Start of bidding period).</i>	Week commencing 11 th September 2023 <i>A notification email will be sent to parties who have formally registered their interest by way of clicking on the 'Register Interest' button displayed below the opportunity on the ProContract portal</i>
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Estimated Bidding Period:	Monday 11 th September 2023 – Tuesday 31 st October 2023
Estimated Award of Call:	Week commencing 4 th December 2023
Estimated Delivery Period:	1 st April 2024 – 31 st March 2025 <i>Funding is initially available to cover a 1-year period (April 2024 – March 2025). Subject to further funding allocations being received from DSIT, the Met Office will confirm extensions to the Grant Agreement on an annual basis to fund year 2 and year 3 activities.</i>

Background to the Met Office Weather and Climate Science for Services Programme (WCSSP):

The Met Office is a delivery partner on behalf of the UK government's Department for Science, Innovation and Technology (DSIT). We administer funding through our Weather and Climate Science for Service Partnership (WCSSP) programme.

The WCSSP programme has been developing a global network of partnerships that harness the weather and climate scientific expertise of UK and partner countries to strengthen the weather and climate resilience of vulnerable communities around the world since 2014.

Through the WCSSP programme, we are working collaboratively on projects that focus on the global challenges of weather and climate with partners in Brazil, China, India, South Africa and Southeast Asia. International collaboration is vital to addressing the issues presented by global weather and climate change.

Outputs from the WCSSP programme support the UN's Sustainable Development Goals (SDGs) with world-leading weather and climate science. Through working in partnership around the world, we are building international meteorological capacity, saving lives and strengthening resilience and response to crises. The WCSSP programme particularly supports our work towards goal 13 (climate action) and goal 17 (partnerships for the goals).

For more information see the programme website [Met Office WCSSP](#) and follow via Twitter: [@MetOfficeww](#)

Background to CSSP China:

Climate science is a complex and ever-evolving field that affects every aspect of our lives. From extreme weather events to rising sea levels, the impact of climate change is undeniable. But with challenge comes opportunity, and we believe that by working together, we can make a difference in mitigating its effects.



Climate science is critical to understanding the complex systems that regulate our planet's climate and weather patterns. By studying these systems, scientists can identify trends and patterns that help us predict future changes in the climate and prepare for their impacts.

Climate science also helps us understand the causes and effects of climate change. By analysing data from around the world, scientists have been able to demonstrate that human activities are driving global warming and other climate-related changes. This knowledge is essential for developing effective policies and strategies to mitigate and adapt to climate change.

China has made significant progress in climate science research in recent years, with a particular focus on understanding the impacts of climate change on its population and economy. The country has invested heavily in research and development and has established numerous partnerships with international organizations like the Met Office to advance the field.

One area of collaboration between the Met Office and Chinese partners is in the development of advanced climate models that can accurately predict future climate patterns and trends. These models are crucial for informing policy decisions and preparing for the impacts of climate change. Another key area of collaboration is in the collection and analysis of climate data, which is essential for understanding the complex interactions between different components of the Earth's climate system.

Summary of Work Package Objectives:

CSSP China aims to accelerate climate science R&D programmes to underpin development of climate services that help build resilience to climate vulnerability. Specific project themes and objectives include: -

- Building a strong strategic partnership between UK and Chinese climate scientists through an accelerated and enhanced collaborative climate science programme.
- Underpinning the development of climate services to support climate-resilient economic development and social welfare.
- Improving the observational basis for understanding East Asian climate variability and change by including early years' data through digitisation, and by developing techniques, software and tools to improve gridded datasets, including at higher temporal and spatial resolution and to assess their uncertainties.
- Developing a collaborative programme on the attribution of climate-related extreme events and long-term trends in the East Asian region, and their likely causes.
- Developing a regional reanalysis for East Asia is a long-term goal for CSSP China.

For further information please visit the project website – [Climate Science for Service Partnership China - Met Office](#)

Summary of Requirement:

The path to net-zero relies on our ability to harness energy from renewable resources, and wind power generation is a vital part of this zero-carbon energy mix. Although wind speed and



direction observations have been made for centuries, they suffer from issues of quality and temporal homogeneity. This makes long-term analysis of trends and variability very difficult and limits our ability to quantify uncertainty in modelled future wind speeds. Decision makers require predictions and projections of future wind speeds and variability of wind conditions in order to inform plans for new wind power installations and to manage demand and supply.

This project seeks those with a keen interest in developing further understanding of the observational uncertainties and prediction capabilities of land and ocean wind speed and available wind power, including the atmospheric processes involved. We are looking for novel approaches to understanding past and future trends and variability in wind speed over the UK and China, and the potential for skilful predictions and projections of future wind power from seasons to decades ahead.

This work should synthesise existing research on global and regional wind trends, including global scale stilling, and assess the state of winds over the study regions as well as current predictions and projections. In particular, this work should seek to quantify: uncertainty in past and future trends and variability; and the capability for climate predictions and projections of wind power. Resulting output should be made available in a way that can be used downstream by policy makers and the wind energy sector to better plan for likely future changes. This work should also incorporate marine winds with a view to offshore wind energy production.

We will be inviting bidders to propose grant activities to cover a 3-year (36 month) period, funding will initially be available for a 1-year period (April 2024 – March 2025). Subject to further funding allocations being received from DSIT, the Met Office will confirm extensions to the Grant Agreement on an annual basis to fund year 2 and year 3 activities.



Eligibility:

The following criteria must be met by the organisation submitting a bid against Calls supported by the Met Office WCSSP Programme in order to be eligible to apply or be awarded funds against this Call:

The following criteria must be met in order for a Bid to be eligible for a Grant Award:

- The Bidder must be an organisation operating and registered in the United Kingdom.
- The Bid must demonstrate how it contributes to the Met Office WCSSP Grant Fund's aim to develop science and innovation partnerships.
- The Bid does not cover activities in relation to which the Bidder has received, or will receive, external funding.
- The proposed Grant Activities in a Bid will last the full duration of the Grant Period.
- The Bidder must be willing and able to work with Met Office and other organisations and individuals associated with the WCSSP Programme, including by attending meetings and other collaborative events.
- Multiple Bids can be submitted from a single organisation where they are led by different academic departments.
- Bidders are not expected to have pre-existing In Country Partners to respond to this call. The bilateral partnership nature of WCSSP means that effort by in-country researchers is supported by our existing In Country partners as standard. In country partners are currently: the China Meteorological Administration, the Institute of Atmospheric Physics at the Chinese Academy of Sciences.



How to Apply:

The above Expression of Interest is advertised on the Met Office ProContract e-Tendering portal called ProContract. To access and register your interest you will need to log onto the ProContract portal via this link: tenders.metoffice.gov.uk

You may need to search for the Call reference DN680281

You will need to register your company (if you have not already done so) and register your interest against the opportunity before you are able to access the tender documents.

If you require guidance or 'how to' instructions – see the supplier manuals on the right-hand side of the supplier home page.

Online Discussions between Bidders and the Met Office:

There is a Discussions function on ProContract which shall be used to provide all further information regarding this opportunity including any changes to time scales, scope or clarifications. This function must be used by bidders to submit all clarification questions.