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Tender

Development of modelling and scenarios for achieving the goals and targets of the Kunming-Montreal Global Biodiversity Framework

Defra Network eTendering Portal

F01: Prior information notice
Call for competition
Notice identifier: 2023/S 000-035929
Procurement identifier (OCID): ocds-h6vhtk-042211
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Section I: Contracting authority

I.1) Name and addresses

Defra Network eTendering Portal

Seacole Building, 2 Marsham Street

London

SW1P 4DF

Contact

Defra

Email

DGCEnquiries@defra.gov.uk

Telephone

+44 3459335577

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs

Buyer's address

https://defra-family.force.com/s/Welcome

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

https://defra-family.force.com/s/Welcome

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

https://defra-family.force.com/s/Welcome

Tenders or requests to participate must be submitted to the above-mentioned address

Electronic communication requires the use of tools and devices that are not generally available. Unrestricted and full direct access to these tools and devices is possible, free of charge, at

https://defra-family.force.com/s/Welcome

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

Environment

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Development of modelling and scenarios for achieving the goals and targets of the Kunming-Montreal Global Biodiversity Framework

Reference number

C21984

II.1.2) Main CPV code

- 73200000 - Research and development consultancy services

II.1.3) Type of contract

Services

II.1.4) Short description

Nature is declining globally at rates unprecedented in human history with around 1 million animal and plant species threatened with extinction within decades . Human activities have pushed many species to the brink of extinction and ecosystems to degradation through land- and sea-use change, overexploitation, pollution, climate change, and invasive species. Biodiversity loss is not only an environmental issue, but also a developmental, economic, security, and social one. To date, agreements to halt and reverse biodiversity loss have failed to reach the desired targets. In December 2022, the 15th meeting of the Conference of the Parties (COP15) to the Convention on Biological Diversity (CBD) adopted the Kunming-Montreal Global Biodiversity Framework (KMGBF), a landmark agreement for biodiversity. It sets out four long-term goals to be achieved by 2050, related to the CBD’s 2050 Vision for

Biodiversity of “a world of living in harmony with nature where, by 2050, biodiversity is valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people”, and 23 short-term targets to be achieved by 2030, which will contribute towards achieving these goals.

The aim of this research is to align and further build on the best available and most appropriate models (biophysical, social, environmental, economic) with the KMGBF to provide clear pathways and insight into the physical, environmental and socio-economic changes that are required to achieve the framework.

II.1.5) Estimated total value

Value excluding VAT: £1

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 73200000 - Research and development consultancy services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Nature is declining globally at rates unprecedented in human history with around 1 million animal and plant species threatened with extinction within decades . Human activities have pushed many species to the brink of extinction and ecosystems to degradation through land- and sea-use change, over exploitation, pollution, climate change, and invasive species. Biodiversity loss is not only an environmental issue, but also a developmental, economic, security, and social one. To date, agreements to halt and reverse biodiversity loss have failed to reach the desired targets. In December 2022, the 15th meeting of the Conference of the Parties (COP15) to the Convention on Biological Diversity (CBD) adopted the Kunming-Montreal Global Biodiversity Framework (KMGBF), a landmark agreement for biodiversity. It sets out four long-term goals to be achieved by 2050, related to the CBD’s 2050 Vision for Biodiversity of “a world of living in harmony with nature where, by 2050, biodiversity is

valued, conserved, restored and wisely used, maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all people", and 23 short-term targets to be achieved by 2030, which will contribute towards achieving these goals. The aim of this research is to align and further build on the best available and most appropriate models (biophysical, social, environmental, economic) with the KMGBF to provide clear pathways and insight into the physical, environmental and socio-economic changes that are required to achieve the framework.
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This may be achieved through the following objectives:
• Design a quantitative modelling approach that assesses existing and anticipated global policies against KMGBF goals and targets in the context of a dynamic global physical, social and economic environment. This can include predictions that take into account direct and indirect drivers of biodiversity loss.
• Identify and/or develop scenarios and their respective uncertainties. These scenarios will be based on global policies, commitments and economic/environmental baselines to be simulated in this modelling approach reflecting different evidence about existing and planned policies' effectiveness and the future state of the world.
• Establish the current 'gap' for achieving the KMGBF goals and targets. This will identify pathways and drivers to provide predictions of where we will get to and when, and assess their feasibility under these different scenarios.
• Identify the types of policy physical, environmental and socio-economic changes that are required to address the 'gap' and achieve multiple global goals/targets simultaneously.
• Identify synergies and trade-offs between individual KMGBF targets and with other frameworks, including the Paris Agreement and the Sustainable Development Goals.
Anticipated outcomes of the project include:
• Improved understanding of different pathways for achieving the goals and targets of the KMGBF and the drivers behind them, using models to answer specific policy-relevant research questions.
• A clearer insight into the impacts of future policy decisions through a better understanding of the most effective interventions, their global/local context, any unintended consequences, and the barriers currently preventing their implementation.
• Accessible knowledge base on biodiversity, ecosystem service and relevant socio-economic modelling through clearly communicating findings in an engaging and impactful manner, using innovative communication methods such as infographics, as well as by making any models and databases used available to Defra.
• Models that are aligned with KMGBF indicators as well as others of interest (such as Paris Agreement and SDGs) and can be used to answer policy-relevant questions.

II.2.5) Award criteria

Quality criterion - Name: Technical / Weighting: 70

Cost criterion - Name: Cost / Weighting: 30

II.2.6) Estimated value

Value excluding VAT: £0.10

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

Duration in months

14

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section III. Legal, economic, financial and technical information

III.1) Conditions for participation

III.1.2) Economic and financial standing

Selection criteria as stated in the procurement documents

III.1.3) Technical and professional ability

Selection criteria as stated in the procurement documents

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Competitive procedure with negotiation

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes

IV.2) Administrative information

IV.2.2) Time limit for receipt of expressions of interest

Date

16 January 2024

Local time

12:00pm

IV.2.4) Languages in which tenders or requests to participate may be submitted

English

IV.2.5) Scheduled date for start of award procedures

30 January 2024

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

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Seacole Building, 2 Marsham Street

London

SW1P 4DF

Country

United Kingdom

Internet address

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