Invitation to Tender

Concept Study on the Identification and Analysis of Emerging Fields in Basic Research

Vienna, November 27, 2020
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1. **Client and Awarding Office**

Austrian Science Fund (FWF)
Sensengasse 1, A-1090 Vienna, Austria
Phone: +43-1-5056740-0
www.fwf.ac.at

Contact person: Elisabeth Nindl, +43-1-5056740-8864, elisabeth.nindl@fwf.ac.at

**The FWF**

The FWF (Austrian Science Fund) is Austria’s central body for the funding of basic research. The task of the FWF is to stimulate and support the further development of science and basic research in Austria at an internationally highly competitive level. Thus, the FWF contributes fundamentally to the advancement of a knowledge-based society and to the creation of value and wealth in Austria. Further information on the FWF’s responsibilities, and the values to which it is committed, can be found on the FWF’s website at [http://www.fwf.ac.at/](http://www.fwf.ac.at/).

FWF contracts for evaluations, studies, and other research policy-related services follow the standards of the [Austrian Platform for Research and Technology Policy Evaluation (fteval)](http://www.fwf.ac.at/) and the FWF’s [Rules on Quality and Transparency Evaluations, Studies, and Research Policy-related Services](http://www.fwf.ac.at/).

2. **Objectives of the Contract**

The FWF is inviting tenders for a concept study that is intended to identify options for an online tool (open source) that can be used to analyse at an early stage which new fields of basic research are emerging (a) in FWF-funded projects, (b) in Austria, and (c) worldwide.

2.1. The concept study should contain:

- The advantages and disadvantages of different methodological approaches
- An assessment of the potential use of machine learning and artificial intelligence
- The identification of the required data sources and a comparison thereof
- A concept for the implementation of the tool as open source, allowing unrestricted and worldwide access as well as ensuring the [FAIR Principles](http://www.fwf.ac.at/) for the underlying data
- An estimate of the one-time implementation costs and the annual maintenance costs for the proposed approach
- A listing of potentially interested parties for the implementation

2.2. The final concept is expected to be delivered three months after the order is placed.

2.3. The proposal for the concept study should comprise:

- The description of the planned concept study including a short explanation of the costs (max. 30,000 characters including spaces)
3. Deliverables, Meetings, and Presentations

All deliverables and reports must be provided in English.

a) Kick-off meeting
b) Discussion of final report (draft version)

4. Schedule

Invitation to tender: November 26, 2020
Deadline for tenders: January 11, 2021
Decision: January 26, 2021
Kick-off meeting: Beginning of February, 2021 (online)
Final report (draft version): Beginning of May, 2021
Approval of the final report: End of May, 2021

5. Price and Payments

Prices must be fixed amounts, which are not subject to change and which include all charges including travel and subsistence expenses. The price must be presented as a lump sum; separately reimbursable expenses will not be accepted. The estimated travel and subsistence expenses considered necessary by the tenderer in order to carry out the study must be indicated separately (for information purposes only).

The price quoted in the tender must be in euros. Tenderers from countries outside the euro zone are also subject to this requirement. The price quoted may not be adjusted for exchange rate fluctuations at any time. It is up to the tenderer to select an exchange rate and to assume the potential risks or benefits arising from any variations.

The total price for the services offered (including travel and subsistence expenses) is expected to be no more than €10,000 excluding VAT.

Payments: Two payments will be made under the contract. The first payment (corresponding to 50% of the contractually agreed price) will be effected after conclusion of the contract. Once the FWF approves the final deliverables, the contractor may request the final balance due (50%).
6. Deadline for Tenders / Communication of Decisions

The tender must be submitted as a PDF file (max. 10,000 characters including spaces) by email to Elisabeth Nindl (elisabeth.nindl@fwf.ac.at) by January 11, 2021. The decision will be made by January 26, 2021 by the FWF Executive Board.

Important note: The FWF requests bidders with recent international research/research management/research funding activities in Austria and/or bidders recently commissioned by Austrian national ministries or other stakeholders in supporting the shaping of Austria’s Research, Technology and Innovation Policy to declare potential conflicts of interest.

7. Transparency of the Tender

The tender is published on the FWF website and distributed via the FWF newsletter and ftieval. Furthermore, an invitation has been sent to the following institutions:

- **AIT – Austrian Institute for Technology**
  Michael Dinges
  Tech Gate Vienna, Donau-City-Straße 1, 1220 Vienna, Austria
- **Clarivate**
  Uwe Wendland
  Friars House, 160 Blackfriars Road, London SE1 8EZ, UK
- **CWTS Leiden**
  Ludo Waltman
  Leiden University, P.O. Box 905, 2300 AX Leiden, The Netherlands
- **Digital Science**
  Daniel Hook
  6 Briset St, London, EC1M 5NR, UK
- **DZHW – Deutsches Zentrum für Hochschul- und Wissenschaftsforschung**
  Sabine Hinze
  Goseriede 9, 30159 Hannover, Germany
- **Elsevier**
  Nik Fowler
  Radarweg 29, 1043 NX Amsterdam, The Netherlands
- **Fraunhofer ISI**
  Susanne Bühler
  Breslauer Straße 48, 76139 Karlsruhe, Germany
- **IHS – Institute for Advanced Studies**
  Sylvia Karl-Parzer
  Josefstädter Straße 39, 1080 Vienna, Austria
- **Joanneum Research**
  Wolfgang Polt
  Haus der Forschung, Sensengasse 1, 1090 Vienna, Austria
- **Microsoft Academic**
  Darrin Eide
- **Open Knowledge Maps**
  Peter Kraker
  Gumpendorfer Straße 16/1/8, 1060 Vienna, Austria
- **RAND Europe**
  Steven Wooding
  Westbrook Centre/Milton Rd, Cambridge CB4 1YG, UK
- **SPRU – Science and Technology Policy Research**
  Ben Martin
  University of Sussex, Sussex House Jubilee Building Jub-363, Brighton, BN1 9RH, UK
- **STePS – Science, Technology, and Policy Studies**
  Stefan Kuhlmann
  University of Twente, BMS/Steps, Drienerlolaan 5, 7522 NB Enschede, The Netherlands
- **Technopolis Group**
  Katharina Warta
  Technopolis Group Limited Rudolfsplatz 12/11, 1010 Vienna, Austria
- **Trilateral Research**
  Agata Gurzawska
  One Knightsbridge Green, London SW1X 7QA, UK
- **The University of Manchester**
  Jakob Erdler
  Harold Hankins Building-9.08, Manchester Business School, Manchester, M13 9PL, UK
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<td>Annie Connell</td>
<td>Lens GPO Box 3200, Canberra 2601, Australia</td>
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<td><strong>WIFO – Austrian Institute of Economic Research</strong></td>
<td>Jürgen Janger</td>
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<td><strong>ZSI – Centre for Social Innovation</strong></td>
<td>Klaus Schuch</td>
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