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## TERMS OF REFERENCE

### External Advisor – Open Science

**OBJECTIVE:** GDN is seeking to recruit **two Open Science External Advisors** to accompany awarded consortia from the Collaborative Research Action (CRA) Integrated Approaches to Human Migration/Mobility in an Era of Rapid Global Change.

The External Advisors will support awarded projects in the definition of ‘Open Science plans’ at the level of each consortium, early on in the life of the consortia, with specific attention to collaboration aspects, within the consortia, with the broader research community, and, in particular, with non-research actors interested or affected by the projects.

We aim to contribute to the advancement of open science practices and foster a culture of openness and collaboration in the scientific community, and its links to society. In concordance with the UNESCO Global Call for Best Practices in Open Science, particularly priorities 5 and 6, which focus on fostering a culture of open science and aligning incentives for open science, and promoting innovative approaches for open science at various stages of the scientific process.

### Background

The Global Development Network (GDN) is a public international organization that supports high quality, policy-oriented, social science research in Low- and Middle- Income Countries, to promote better lives. We help connect researchers and research institutions to financial resources, global networking, research management support, access to information, training, peer review and mentoring. Founded in 1999, GDN is currently headquartered in New Delhi, with an office in Clermont-Ferrand, France.

The Belmont Forum, in partnership with Future Earth, the National Research Foundation (South Africa), and the National Science Foundation (USA) launched a CRA to promote integrated systems approaches to accurately characterize **migration and mobility at their intersection with global change**. The CRA offers grants to international, transdisciplinary teams with the goal of combining research and innovation expertise to find innovative solutions to these challenges. These teams consist of researchers and partners from various sectors, including universities, research centres, civil society organizations, community organizations, and the private sector.

A collaboration between Future Earth, the Global Development Network (GDN), and the Centre for System Solutions (CRS), aims to combine expertise to oversee the CRA’s post-



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award phase. Future Earth will be responsible for project coordination, valorization, and synthesis, GDN will support capacity building, mentoring, and communications while CRS will be involved in the development of a social simulation tool to be applied across the cohort of research consortia.

GDN's mentoring activities aim to advance the alignment of CRA's management with global discussions on Open Science, emphasizing the need to open scientific knowledge creation, evaluation, and communication to societal actors beyond the traditional scientific community.

### **Job responsibilities**

The role of the External Advisors is described as follows:

The External Advisors will help to identify and detail the Open Science practices each consortium aims to adopt at each stage of development of their research and discuss the impact they are expected to have on the research process, its outputs, and its impacts. Advisors will accompany the teams in monitoring the plans, and support their adaptation along the way. They will agree with the teams on the modality and frequency of interactions.

Meetings in person at the 2023, 2024, and 2025 Sustainability, Research, and Innovation Congress (SRI) will allow a face-to-face reflection on Open Science practices at the level of the CRA cohort. Experts will collaborate to map and document the practices implemented in the CRA, propose an approach for teams and their stakeholders to self-evaluate them and prepare a planning document. GDN recognises that this effort is novel and to a large extent experimental, and seeks qualified individuals with experience in research management, and mentoring and with a strong interest in fostering collaboration in and with academic research that is societally relevant. Advisors will accordingly have ample freedom to pilot approaches and if possible, develop tools and methodologies to support this goal.

The External Advisors commit to:

#### ***At the inception stage:***

1. Guide the researchers in identifying the Open Science priorities in the context of their research projects, by drawing on global policy debates on Open Science, collaboration, and research impact. They will offer independent feedback and guidance to teams in identifying opportunities for co-construction of research agendas, transparency and reproducibility of research methodologies, data collection, analysis and management, and dissemination of results.

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2. Provide inputs and feedback on the team's Open Science project plans, which will sum up the reflection above in a project-specific guiding document, in light of the objectives and the methodological choices articulated in the awarded proposal;
3. Contribute to the kick-off meeting at the SRI Congress 2023 (June 2023), by designing one or more activities with teams, in coordination with other Advisors, GDN, and larger CRA team;

*Throughout the implementation process:*

4. Provide constructive advice and guidance to the team, based on regular communication, and ensure that the research processes adhere to high professional standards throughout its implementation and that the Open Science plans are followed, regularly discussed, and revised;
5. Develop a common monitoring framework for the implementation of Open Science plans, in close collaboration with other Advisors;
6. Systematically document discussions with teams around the implementation and adaptation of Open Science plans, in conversation with teams;
7. Provide written feedback on draft outputs submitted by the team;
8. Attend and contribute to the SRI Congress in 2024 and 2025, by designing activities to be implemented before/during/after the event, to support the Open Science work;

*Towards the end of the research project:*

9. Provide written feedback on the final output submitted by the team, and guide them through the choices applicable to each project.
10. Produce a synthesis paper discussing the opportunities and challenges of adding Open Science plans, activities, and mentoring in CRAs of the Belmont Forum, and present it to BF members;

### **Duration of assignment**

Between June 24, 2023 and June 2025, a series of activities will take place online. A calendar of the activities is listed below.

### **Sustainability Research + Innovation Congress (SRI)**

- SRI 2023: June 26-30, 2023 – Online and in Panama City, Panama
- SRI 2024: Date and venue TBC
- SRI 2025: Date and venue TBC

### Ongoing mentorship

- Starting at the SRI 2023 and ending at SRI 2025

### Financial aspects and schedule of payments

The position is linked to a USD 20,000 honorarium. The proceeds of the advisory fees shall be disbursed by GDN to each Advisor in four tranches, in accordance with the following schedule:

Payment due date	Percentage of total honorarium	<b>*Reporting/documentation to be submitted to GDN prior to payment being approved by GDN</b>
Upon signing of Agreement and submitted deliverables are complete	15%	1) Attend or contribute to the kick-off workshop of the CRA at the 2023 SRI, in Panama City, Panama. 2) Review the research project document containing the project's timeline, and budget, and review and approve the Open Science plans produced by the teams; 3) Brief report (up to 10 pages) describing the potential of the projects' open science activities, including early observations on the team's strengths and weaknesses in implementing open science practices, to inform GDN's support. 4) Co-produce a monitoring framework for the Open Science plans.

June 2024	25%	<ol style="list-style-type: none"> <li>1) Provide written feedback on the research project from an open science perspective. In addition, identify major changes proposed by the team to the work plan and assess their potential impact on the project's goals and objectives.</li> <li>2) Design and deliver a public session at the 2024 SRI focused on Open Science and its impact on the research projects in the context of the CRA.</li> <li>3) Contribute to the mid-term review workshop to be held at the 2024 SRI and actively participate in discussions related to open science practices and their integration into the project. Provide feedback and recommendations to the research team on how to enhance the project's impact and visibility through open science approaches.</li> </ol>
October 2024	25%	<ol style="list-style-type: none"> <li>1) Submit a comprehensive report (up to 10 pages) describing the interactions with the research team, including feedback provided on open science practices and comments on the progress of the project.</li> <li>2) Document the teams' experiences in discussing, integrating, and implementing open science approaches. Identify areas where additional support is required and provide suggestions to GDN management on how to address these needs.</li> </ol>

<p>June 2025</p>	<p>35%</p>	<ol style="list-style-type: none"> <li>1) Provide written feedback to each of the project’s final outputs with specific emphasis on open science practices and their integration into the research process.</li> <li>2) Submit a report (up to 10 pages) final report covering a. the team's adherence to open science principles and plans for open access publication; b. reflections on the mentoring experience and recommendations for improving the program, including suggestions for GDN management.</li> <li>3) Final presentation of results to stakeholders including Belmont Forum, Future Earth, CRS, and GDN for further consideration in the context of similar future CRAs</li> <li>4) Submit a synthesis paper (co-authored with the other Open Science External Advisor). Providing a consolidated overview of the CRA, highlighting key findings, insights, and outcomes. It should incorporate the various activities undertaken, the interactions and discussions held with relevant stakeholders, the suggestions and recommendations made, and the final outputs generated.</li> </ol>
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**Eligibility and desired profile**

We are looking for a researcher with 8-10 years of research experience, with a track record of work and publication in collaboration practices in research, the link between research and policy and society, research management, and a strong interest in the multifaceted collaboration aspects of the global Open Science framework.



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### **Questions and clarifications**

For any queries related to the application procedure or the job posting, please write to [pvarela@gdn.int](mailto:pvarela@gdn.int)

GDN is an equal opportunity employer, committed to diversity in its staff. Female candidates from developing countries are particularly encouraged to apply.