Request for an offer
Comparative analysis of spatial requirements of different decarbonisation scenarios

1. About RGI
Renewables Grid Initiative (RGI) is a unique collaboration between TSOs and NGOs from across Europe engaging in an ‘energy transition ecosystems-of-actors’. RGI promotes fair, transparent, sustainable grid development to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.

2. Background
RGI is seeking a contractor that is ready to provide a publication in English, with an executive summary and presentation of its results, on a high-level analysis of spatial requirements of five different decarbonisation scenarios of the European energy sector. The objective of this comparative analysis is to inform and facilitate discussions about the spatial requirements by each of the five scenarios (one of them being the PAC Scenario; the remaining four to be defined), if implemented. Space is a scarce resource, we, therefore, need to urgently understand spatial requirements to progress with decarbonisation.

3. Duration
The order must be completed within 6 months from the date of concluding the contract.

4. Scope
The analysis should consider the space and the water required by the energy infrastructure foreseen in 5 different scenarios to reach full decarbonisation of the European energy system latest by 2050. Moreover, the analysis should present intermediate requirements in line with the 2030 climate and energy targets.

5. Tasks and responsibilities
The analysis should be presented in the form of a report, including methodologies, assumptions and policy recommendations. It needs to be complemented with a comprehensive set of maps, visualising the spatial implications of different decarbonisation scenarios, and data sets, ideally to be published under an open licence, by the established deadline.

RGI will host monthly meetings with the contractor to make sure that the work is proceeding as planned and to discuss preliminary/intermediate results. In addition, the contractor will attend a small workshop with relevant stakeholders (a support/reference group), to discuss the analytical approach and the results prior to publication. The contractor will consider and integrate inputs from both RGI and selected stakeholders, prior to the finalisation of the report and supporting documentation.

Within the scope of foreseen tasks and responsibilities, the contractor will:
- Discuss and integrate feedback from RGI and the support/reference group of selected stakeholders on the approach applied and/or draft results;
- Visualise the generated data in an easily accessible online format to enable a straightforward understanding of the findings;
- Participate in at least 2 follow-up discussions, interactions or events convened by RGI to present and discuss the analysis results;

All publications and communications must be in English.

**Deliverables:**

D1. A report presenting spatial requirements of five different decarbonisation scenarios, complemented with a comprehensive set of maps.
D2. Presentation for a small workshop with the support/reference group of selected stakeholders.
D3. Presentations for the two follow-up discussions, interactions or events.

**6. Selection criteria**

Offers will be evaluated according to the following criteria:

- The contractor has relevant experience in modelling the energy sector, specifically in the electrical grid field.
  
  Proven knowledge of energy systems, pertaining to spatial aspects of electrical infrastructure, especially in connection to environmental impact, geographical needs, landscape topics etc., will be considered an additional advantage.
- The contractor will not retain any exclusive ownership of the work.
- The contract will be awarded on the basis of the best value for money. The ability to deliver within a given timeline is an essential criteria.

**7. Application process**

The offer should be no longer than 5 pages. The offer will include the following:

- A budget for the work.
- Evidence of contractor’s suitability (see point 6. Selection criteria).
- An initial project work plan.
- List of relevant works and/-or publications authored/co-authored by the contractor.
8. **Date and place of submitting the offer**
   The offer should be addressed to RGI and sent to damiano@renewables-grid.eu per email latest by October 30, 2022.

9. **Explanation mode**
   Each contractor has the right to ask RGI to clarify the content of the inquiry.
   The contractor’s questions shall be sent to the following email address: damiano@renewables-grid.eu. RGI shall provide an answer within 48 hours.

10. **Procedure for announcing the awared offer**
    Interviews with shortlisted applicants will take place within three weeks from the submission date and the final decision will be shared via email, latest by November 30, 2022.

11. **Payment schedule**
    Payment for the work will be completed within 15 days from the delivery of the final report.