

Title: GMES/Copernicus Initial Operations (GIO) land monitoring services 2011-2013 pan-European component: calculation of complementary HRL layers comprising spatial pattern characteristics forest

Reference: Negotiated procedure EEA/IDM/15/004

The European Environment Agency (EEA) envisages awarding a contract to a service provider for the production of a set of complementary High Resolution Layers comprising a characterisation of spatial patterns in forested landscapes based on the High Resolution Layer (HRL) forest.

Type of contract:

Service contract for duration of 4 months, as from the date of its signature

Estimated value:

EUR 50 000 excluding VAT covering all services

Place of delivery or of performance:

At the contractor's premises

Description of the services to be procured:

The contract aims at detecting and characterising spatial patterns of forested landscapes in Europe in complementary layers to the HRL forest, as indicators of the condition of landscape and forest biodiversity. The HRL forest comprises 2 (primary) sub products, i.e. Tree Cover Density (TCD), and Forest Types (FTY) (conifers, deciduous and mixed forest types). Specifications of the HRLs are available under: <http://land.copernicus.eu/user-corner/technical-library>.

The objective of the proposed contract is to quantify spatial patterns of forested landscapes and assess these as indicators of the condition of landscape and forest biodiversity. For these objectives, the contractor will be asked to apply a spatial pattern analysis on forest data derived from the GIO land HRL tree cover density (TCD), and forest type (FTY), the results of which shall become a complementary set of geospatial data that go hand in hand with the original HRLs.

The mapping and assessment of selected landscape metrics shall cover the EEA39 countries, and shall be based on the recently developed Copernicus High Resolution Layers forest (GIO HRL 2012).

In particular and as a minimum, the following three datasets will be derived by the contractor and used as input data (on which the landscape metrics will be applied):

- A forest/non-forest mask, 20m spatial resolution, derived from the FTY product. The FTY product already has a 0.5ha MMU (minimum mapping unit) and 10% TCD filter applied (as compared to the TCD product).
- A product showing closed and open forest, 20m spatial resolution, derived with a 40% threshold from the TCD HRL
- The FTY product showing dominant leaf type: broadleaved and coniferous, 20m spatial resolution, derived from the FTY HRL.

The set of complementary HRL layers shall be delivered together with a detailed documentation of the work flow, production methodology, and used tools in such way that the support layers can be reproduced at later stage, based on available open source tools and software.

Scheduled starting date of contract (indicative):

1 April 2015

Registration of interest:

Interested candidates shall register their interest by email to procurement@eea.europa.eu by **02.03.2015** at the latest, quoting the title and reference No of this negotiated procedure in the subject field of the message and providing the following information:

- Name (of individual or organisation/company)
- Address (of individual or organisation/company)
- Contact person
- E-mail
- Description of main area of business / expertise (max. 500 words)

Your personal information above will be processed solely for the purpose of this negotiated procedure in accordance with the rules set in Regulation (EC) No 45/2001 on the protection of individuals with regard to the processing of personal data by Community institutions and bodies and on the free movement of such data (OJEU L 8/1 of 12.1.2001). For further detailed information please refer to the privacy statement available on the EEA external website at the following address: <http://www.eea.europa.eu/about-us/tenders/privacy-statement>

Description of the tendering procedure:

On the basis of the pre-assessment of the information provided, the EEA will draw up a list of the most suitable candidates and will forward to all or some of them (at least three candidates) by e-mail an invitation to submit a tender in accordance with the tender specifications by a set deadline. The tender submitted will be evaluated in accordance with the criteria specified in the tender specifications. During the negotiation phase after the submission of the tenders, selected candidates may be required to adapt their tender to the requirements set in the tender specifications in order to find the solution offering the best value for money.

Candidates shall note that registration of interest to participate in the above-mentioned procedure entails no obligation on the part of the EEA to send an invitation to tenders to candidates or to award them a contract.

Please note that no replies will be sent to unselected candidates.