



Croatian
Natural History
Museum

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Natječaj za poslove stručnjaka za konzervacijsku biologiju i zračno istraživanje korištenjem modeliranja gustoće površine u sklopu ugovora o dodjeli bespovratnih sredstava LIFE EUROTURTLES - LIFE15 NAT/HR/000997

Call for proposals/Notice of vacancy for Conservation biology expert for aerial survey data analysis using surface density modelling under the project LIFE15 NAT/HR/000997

Conservation biology expert for aerial survey data analysis using surface density modelling UNDER THE LIFE EUROTURTLES PROJECT

Ref: LIFE15 NAT/HR/000997

Financed under programme: LIFE programme

Reference no. of project: LIFE15 NAT/HR/000997

Type of contract: Temporary Service Contract

Short description of the subject of procurement: Conservation biology expert for aerial survey data analysis using surface density modelling

Short description of the tender rules: Call for proposals/Vacancy notice

Contracting Authority: Croatian Natural History Museum (CNHM)

Value of the contract: 60.500,00 HRK/8.000 EURa total value, net value based on the location and residency of the chosen author¹

DESCRIPTION OF THE PROJECT

Project objective: The aim of the project is to improve the conservation status of the EU populations of two sea turtle priority species, the loggerhead turtle *Caretta caretta** and the green turtle *Chelonia mydas**. The project recognizes that this aim can only be achieved through an EU-level approach considering the multinational distribution of these populations, which have breeding and foraging grounds in different and distant EU countries.

Your role

Objective of the work of expert for aerial survey data analysis using surface density modelling is to: analyze and interpret the data collected through aerial surveys within the project, including the creation of displays of a scientific nature such as cartographic representations, numerical representations, and tables related to aerial research, using density surface modelling of marine turtles' density and abundance in the research area. By creating this density surface model and considering various environmental variables, it is possible to obtain more detailed information about the distribution of turtles during periods of aerial research, thus providing higher-quality arguments necessary for the proposal development in the Natura 2000 (N2K) area.

¹ Calculation based on:
"Zakon o porezu na dohodak i
Zakon o doprinosima (Narodne novine 115/2016)

Location

Contracted persons premises

Applications

To submit your application, please consult the detailed Terms of reference and eligibility requirements below.

Terms of reference

You may apply by sending us your CV to: drasko.holcer@hpm.hr

For administrative reasons the applications shall be made in English language and Latin script. Before applying, you should carefully check whether you meet all the eligibility criteria. No supporting documents are required at this stage – these might be required later from candidates invited to an interview.

Applications

***Please send us your application by no later than 26.10.2021.
at midnight (Local time), following the instructions in the Terms of reference.***

**TERMS OF REFERENCE FOR THE SERVICE OF
AERIAL SURVEY DATA ANALYSIS USING DENSITY SURFACE MODELLING UNDER THE PROJECT
LIFE15 NAT/HR/000997**

Grant Agreement title: LIFE EUROTURTLES

Financed under programme: **LIFE programme**

Reference no. of project: **LIFE15 NAT/HR/000997**

Grant Agreement title: **LIFE EUROTURTLES**

Type of contract: Temporary **Service Contract**

Short description of the subject of procurement: **Conservation biology expert for aerial survey data analysis using surface density modelling**

Short description of the tender rules: **Vacancy notice for temporary service contracts**

Contracting Authority: **Croatian Natural History Museum (CNHM)**

Value of the contract: **60.500,00 HRK/8.000 EUR total value**

Circumstances justifying the use of the selected procedure: even though temporary service contracts in Croatia are exempt from public procurement procedures and are regulated by the Civil Obligations Act (<https://www.zakon.hr/z/75/Zakon-o-obveznim-odnosima>), CNHM will publish a Vacancy notice (public tender) for a Temporary Service Contract for a position of Conservation biology expert for aerial survey data analysis using surface density modelling. Development of the Terms of reference for the vacancy will be supported by deliberation about possible candidates of project partners. In order to make the Vacancy visible on EU level the Vacancy will be published in English language on the project website <https://www.euroturtles.eu/#/about-project/public-procurement>. All relevant experts in the field will be made aware of the vacancy through project partner networks and through relevant expert associations.

CNHM will choose the best candidate for the expert for aerial survey data analysis using surface density modelling and CNHM and will offer candidate a Temporary service contract pending the approval of the contract by the City of Zagreb as the founder of CNHM. It shall be ensured that prices for similar services have been compared, that the rate is in line with the level of competence required for the position and that the selection procedure is transparent, as well as the appropriate audit trail being followed.

1. DESCRIPTION OF THE PROJECT

Project objective: The aim of the project is to improve the conservation status of the EU populations of two sea turtle priority species, the loggerhead turtle *Caretta caretta** and the green turtle *Chelonia mydas**. The project recognizes that this aim can only be achieved through an EU-level approach considering the multinational distribution of these populations, which have breeding and foraging grounds in different and distant EU countries.

The specific project objectives are:

- 1) Reduce the impact of anthropogenic threats at nesting sites, in order to (i) guarantee a suitable nesting and incubation habitat for the future, including climate change effects, and (ii) allow a high production of newborns recruiting to their populations.

Interventions for improving the conservation status of the EU sea turtle populations (LIFE15 NAT/HR/000997) Project is carried out with the assistance of LIFE financial instrument of the European Union / info@euroturtles.eu



- 2) Reduce the impact of anthropogenic threats, in particular fishery-related, at foraging grounds.
- 3) Improve the effectiveness of marine Natura 2000 sites for sea turtle conservation, by extending current sites over turtle hot-spot areas and improving their management.
- 4) Set up a consistent approach for the conservation of the EU sea turtle populations, in order to optimize current and future efforts and resources in the EU.
- 5) Contribute to the Marine Strategy Framework Directive with consistent methods and with baseline data for improving the capacity of monitoring the conservation status of the EU sea turtle populations in the future.
- 6) Promote among EU citizens the concept of shared EU sea turtle populations and of the common heritage of natural marine resources of which sea turtles are excellent and charismatic flagship species.
- 7) Set up an EU network for sea turtle conservation based on common objectives and methods. This network will include the main research and conservation organizations in the key EU countries (most of which participate in the project as beneficiaries) and the relevant competent authorities.

2. DESCRIPTION OF THE ASSIGNMENT

2.1 Objectives:

Objective of the work of expert for aerial survey data analysis using surface density modelling is to:

analyse and interpret the data collected through aerial surveys within the project, including the creation of displays of a scientific nature such as cartographic representations, numerical representations, and tables related to aerial research, using density surface modelling of marine turtles' density and abundance in the research area. By creating this density surface model and considering various environmental variables, it is possible to obtain more detailed information about the distribution of turtles during periods of aerial research, thus providing higher-quality arguments necessary for the proposal development in the Natura 2000 (N2K) area.

2.2 Requested services:

- Preparation of the data collected during LIFE Euroturtles aerial surveys for analysis.
- Development of the surface density model
- Preparation of the cartographic representation of the model output using standard EU 10x10 (or 5x5) km grid presenting numerical values of the model
- Participation in the following project activities:
 - D.9 as defined based on the "Grant Agreement LIFE Euroturtles ref. LIFE15 NAT/HR/000997 dated 5.7.2016.

2.3. Expected deliverables:

- GIS maps providing results of abundance in EU 10x10 grid based on surface density modelling.

The Expert will be responsible for the production, quality, and timely completion of aerial survey analysis and for keeping track of the work done to the project coordinator.

2.4. Period of Intervention/Timing:

Conservation biology expert for aerial survey data analysis using surface density modelling services are required for period November-December 2021. He/she will be employed on the basis of Temporary service contract of definite duration (in Croatian: *Ugovor o djelu*).

2.5. Place of Activities/Logistics:

Contracted person's premisses.

2.6. Reference and reporting:

Experts will report to Project Manager who will serve as his/her Supervisor.

3. REQUIRED KNOWLEDGE, SKILLS AND COMPETENCES OF THE EXPERT***General professional experience:***

PhD in natural sciences, 3 years of working experience

Specific professional experience:

- Experience in aerial survey analysis
- Experience in interpretation of aerial survey data and surface density modelling
- Understanding of LIFE programme objectives is advantage
- Relevant publications in the field of sea turtles and abundance/density estimates are advantage.

Additional skills and competences required:

- Excellent knowledge of English and one other EU language
- Computer literacy
- Excellent team work and coordination abilities
- Excellent communication and presentation skills