**ADMINISTRATIVE PROCEDURE PURSUANT TO ITALIAN LAW (LEGISLATIVE DECREE 163/2006 D.L. 76/2020 - D.L. 77/2021). PROJECT IDENTIFICATION: CIG ZEA350DF6A - CUP I88D20000080006.**

As part of the research project SEAVIEWS - SEctor Adaptive VIrtual Early Warning System for marine pollution, <https://keep.eu/projects/24082/SEctor-Adaptive-VIrtual-Ear-EN/>

we request an offer for "IT services to support research activities".

1. DESCRIPTION OF THE REQUESTED SERVICE

**T2.1.1 Model for analysis and processing of large volumes of data -** In collaboration with the National Technical University of Athens, Greece (NTUA), the requested service deals with the development of an informatics tool or algorithm (in form of a computer program or any other software-based informatic routine) to produce an automated warning signal in case of a detected marine pollution event (i.e., when the environmental parameters significantly vary from non-pollution standard conditions). The algorithm must be also able to generate an early warning signal, whenever sub-optimal seawater conditions (i.e., early signals of potential threats to the marine environment) are identified by the SEAVIEWS network of data collection. This algorithm will be based on the data collected by the network of multiparametric probes of the SEAVIEWS project as well as on additional water quality data available for the Adriatic Sea area from other sources (e.g., satellites), including meteorological data.

**T2.1.2 Data Analytics tools –** Based on the implementation of the algorithm of T2.1.1, an evaluation of the results and a gap analysis will be made to identify one or more indexes of marine environmental safety level.

**T2.2.1 Report on mapping of national and regional strategies -** A workshop involving representatives of the Partner Countries will be organized to compare the trans-national legislative framework covering prevention of marine pollution in the Adriatic Sea (at national and international levels) to identify legislative gaps (with focus on potential accidents without available action plans). This task will contribute to upgrade the gap analysis developed in T2.2.1.

**T2.2.2 Report on decision-based process / Risk Control.** Based on the T2.2.1 report, in collaboration with the partner E-ZAVOD (Slovenia), three ***risk control options***" (RCO) included in the national action plans will be selected. Based on this, a scenario modeling (contingency analyses) of potential pollution events in Adriatic Sea will be developed to examine and compare increasing scenarios of impacts, as well as the corresponding preventative and mitigation countermeasures.

A report must be produced for each of the points indicated.

2. DURATION OF THE ASSIGNMENT

5 months from the award of the service. Within the end of May 2022 a draft report must be delivered and within July 2022 a final report must be delivered.

3. COORDINATION AND SCIENTIFIC SUPERVISION

The surveys will be carried out with the coordination and scientific supervision of Prof. Stefano Piraino of the University of Salento.

4. STARTING PRICE

**€ 23,000.00 including VAT**.

5. TERM AND METHOD OF SUBMITTING THE OFFER

Please send the financial offer exclusively by e-mail to the attention of Dr. Maddalena Laggini at laggini@conisma.it , by 2:00 pm on **Wednesday 16 February 2022**.

The offer sent as a .pdf file, drawn up on headed document of the financial offer entity, must bear in the subject the words "Financial Offer for Services (project identification: CIG ZEA350DF6A - CUP I88D20000080006)".

The financial offer must be expressed in numbers and letters, including VAT, signed by the legal representative, of which a .pdf copy of a valid document must be attached.

Rome, 06.02.2022