

TEC CONSEIL
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Date : 26th September 2018

Reference : AMI 18/001

CALL FOR EXPRESSION OF INTEREST FOR WEB-BASED PLATFORM PROVISION

Development of an innovative data portal for snow sector

Tec Conseil hereby invites you to submit an expression of interest, in order to be pre-selected to carry out the tasks described in the document below. Tec aims to contract a company or group of consultants to develop a web service for the PROSNOW project. Expression of interest are required to be received by TEC no later than **Thursday, October 4, 2018 at 17:00 pm (Paris, time)**.

In order to guide you in the preparation of your response, please find attached:

- a. Annex I: Terms of Reference;
- b. Annex II: Instructions to bidders;
- c. Annex III: Bid Submission Form;
- d. Report (attached): PROSNOW demonstrator refined specifications

Ghislain DUBOIS

Director



ANNEX I: TERMS OF REFERENCES

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A. CONTEXT

Snow on the ground is a critical resource for mountain regions to sustain river flow, to provide freshwater input to ecosystems and to support winter tourism, especially ski resorts. The level of activity, employment, turnover and profit of hundreds of ski resorts in the European Alps primarily depends on meteorological conditions, in particular natural snowfall but also increasingly conditions favourable for technical snowmaking (production of artificial snow).

Since the seventies, ski resort managers have massively improved their snow management practices, initially to mitigate the impact of the large inter-annual variability of snow conditions, and more recently as adaptation measure to the effects of climate change. Therefore, ski resorts highly depend on appropriate conditions for technical snowmaking.

The PROSNOW project aims to build a demonstrator of a meteorological and climate prediction and snow management system from one week to several months ahead, specifically tailored to the needs of the ski industry. PROSNOW will apply state-of-the-art knowledge relevant to the predictability of atmospheric and snow conditions. The associated products will address ski resorts needs beyond state-of-the-art tools.

PROSNOW project is co-led by TEC and Meteo France. More information about the project is available on the website: <http://prosnow.org/>.

C. OBJECTIVE OF THE WORK

The purpose of this call is to develop a web service for PROSNOW project. This web service will be an innovative data portal for snow sector, called PROSNOW demonstrator in the ToR below. Input data will be provided by the PROSNOW consortium.

D. TERMS OF REFERENCES (DRAFT)

The selected consultants will design and produce a web data portal compiling relevant climate and meteorological information for snow sector. Preliminary terms of references, detailing the characteristics of the demonstrator are presented in the attached report: [PROSNOW demonstrator refined specifications](#).

An initial phase of development of the portal is planned for November-December 2018 (milestone). The mock up will be then presented to PROSNOW key stakeholders in order to be improved and refined.

Two phases of exchanges are planned (season 2018/2019 and 2019/2020). Final data portal will be fully implemented and available for all stakeholders in June 2020 (milestone).

E. WORK ORGANISATION

A contract of objectives is signed between TEC and the selected consultant(s). The PROSNOW Project Coordinator in TEC oversees the mission. The PROSNOW project manager operates under the supervision of the Director of TEC.

F. DURATION

Activities shall begin as soon as possible (ideally on the 1st of November 2018). The work periods will be staggered on a 2 years period, up to June 2020.

Agenda of key activities are planned as below

04/10/2018 - 6pm	Deadline for EoI submission
15/10/2018 - 11pm	Selection of participants and provision of full detailed ToR
26/10/2018 -11pm	Deadline for Proposal submission
01/11/2018 -11pm	Expected date for starting the work

A first version of the demonstrator shall be produced for the 2018/2019 snow season, i.e. by end of December 2018. The demonstrator will be tested and reviewed by stakeholders during the period January 2019-March 2019 in order to enhance the first version of the web portal.

G. QUALIFICATIONS

The bidder provides the services of international experts' team in the 3 fields:

- Web design
- Data portal development
- API, webservice and front-end development
- Spatial and temporal data management

The bidder should also be familiar with issues related to climate services provision; webGIS and mapping; climate data base management and innovative visualisation. Consultant must have professional experience in interactive data portal and chart display, ideally with meteorological data. Consultant must also be able to read, speak and write fluently in English.

ANNEX II: INSTRUCTIONS TO BIDDERS

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A. PREPARATION OF THE EXPRESSION OF INTEREST FILE

The expression of interest must include the following documents:

- The bid submission form in response to the Call for expression of interest;
- A letter demonstrating the interest for this Call and a brief description of the bidder company, its areas of expertise, a list of reference and referents that can be contacted (maximum 2 pages), and finally a brief description of the proposed project (maximum 6 pages);
- Any official document certifying the official registration of the company.

B. SUBMISSION OF THE EXPRESSION OF INTEREST

Expressions of interest should be submitted by email to Sebastien Bruyère, TEC: sebastien.bruyere@tec-conseil.fr no later than **Thursday, October 4, 2018 at 17:00 pm (Paris, time)**. Any submissions received after the deadline will be rejected.

C. CLARIFICATIONS

For clarification regarding this call for expression of interest bidders are requested to contact Sebastien Bruyère TEC exclusively in writing, via email at sebastien.bruyere@tec-conseil.fr no later than **Wednesday, October 3, 2018 at 13:00 pm (Paris, time)**. Queries received after the above deadline may not be considered.

A list of public questions/answers will be available at : <http://prosnow.org/recruitment> .

ANNEX III: BID SUBMISSION FORM

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1. GENERAL INFORMATION

1.1. Presentation and Contacts

NOM	
Postal Address	
Phone	
Fax	
Email Address	
Internet Website	

If consortium, please duplicate the tables for all partner.

1.2. Registration

Date and place of registration	
Registration Number	
Name of Director/Manager	

If consortium, please duplicate the tables for all partners.

2. REFERENCES AND EXPERIENCES

2.1. Projects

Please mention 5 relevant projects for this call of interest. Projects must have been completed within the last 5 years.

Client Name and contact	Summary of the work	Value of the project (in euros)	Date and duration of the project

Please detail your current projects that are relevant for the call of interest.

Client Name	Summary of the work	Value of the project (in euros)	Date and expected duration of the project

2.2. Experts

Please detail qualification and experiences of key experts suggested for the project implementation. Curriculum Vitae of people suggested must be attached to the response.

Name and Position	Qualification	Years of experience	Experiences at the current position

3. Certification

I, the undersigned, certify that the information provided in this form is correct and that, in case of change, the new information will be sent as soon as possible:

NAME _____

Function/ Title _____

Date _____

Signature _____

Stamp of the bidder company (if any)