

AMENDMENT 2

QUESTIONS AND ANSWERS

Q17. As per your specification “ *Be a web accessible single platform solution with access to a collection of datasets, digital maps, tables, illustrations and include built-in computational tools capable of systematically representing sites along coastal zones of Canada (including the Arctic).*”

Do you have any specification and interface protocol for connecting with existing database? Can we use 3rd cloud platform or connect with your existing platform? Do you have any sample for this platform or layout which we can make the reference with?

A17. There is no existing platform and PSPC is seeking to develop such a platform through this challenge.

Q18. As per your specification “ *Include tidal elevation data (higher high water large tide (HHWLT); lower low water large tide (LLWLT); Mean water level (MWL), and extreme water levels and storm surges for 1, 10, 25, 50 and 100 year return periods and maximum flood of record (as well as the ability to predict these going forward).*”

Can you share with us which option will be used for collecting this data by The Weather Company has historical datasets (often sourced from public agencies it has Canada historical data) and an API that lets us to query the data OR We must install the sensor for collect this data OR We must get this Data from GoV Office website. Besides that, which protocol for our query your data by That is data and have API protocol so that we can get it OR the customer data saved in CSV file and we can download from their server OR That is open data and we can get by JSON format?

A18. The proponent would not require to install sensor for collecting these data. The proponent can use available Government of Canada data, publicly available data or data owned by the proponent to test the system and its functionality. Available data could be from different sources and in different formats, and it will be the proponent’s responsibility to process the data as would be needed. The proponent will be responsible for the proprietary rights of using any third party and publicly available data.

Q19. As per your specification “ *Include extreme nearshore wave climate of high resolution model outputs with directional distributions and return periods (i.e. 1, 10, 25, 50, 100 years) from varying governing directions for the sites under existing conditions and for climate change scenarios over the next 50 years and 100 years.*”

Which concept for simulation in the next 50 years – 100 years will use in your application. Can our system do the computational analysis in the reliable 3rd parties and using the deep learning model libraries from the 3rd parties OR do you use the expect a data scientist to work with the data manually and we will use their formula for running this simulation OR you would like to use both of them. In case you use both of them, please clarify and confirm.

A19. The proponent will decide the simulation and data processing approaches/methodology to achieve the objectives as per challenge notice.

Q20. As per your specification “ *There are available data sets, e.g., [MSC50](http://oceanweather.net/MSC50WaveAtlas/), which provide offshore wind and wave hind cast covering much of the Canadian Maritime.*” as per link <http://oceanweather.net/MSC50WaveAtlas/> =>

Where can we get the link for raw data for this website? Or similar website for other system which you can reference with?

A20. This link is provided as one example of available offshore wind and wave hind cast data. There could be other similar data sets available. The proponent is responsible for sourcing any such offshore or nearshore wave data sets should it be required to address the challenge outcomes.

Q21. As per your specification “*There are [online ice atlases](https://iceweb1.cis.ec.gc.ca/30Atlas/page1.xhtml?grp=Guest&lang=en) which provide ice thicknesses based on 30 years (1981-2010) of ice data. Ice thickness based on recent ice data as well as future projections due to climate change will provide more cost-effective solutions. As per link “<https://iceweb1.cis.ec.gc.ca/30Atlas/page1.xhtml?grp=Guest&lang=en> =>*

Can I understand that you intend to apply the other system as per similar system for online ice atlases application?

A21. The intent is to include most recent ice data/atlasses available with future projection due to climate change; and the proponent will propose how it will be included in the proposed system.