



04<sup>th</sup> May 2020

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**Subject: Clarifications, regarding the “Invitation for procurement of PIXEL air quality and noise monitoring sensors”\_PART III**

Interested parties are kindly requested to refer to all clarifications published provided by PPA, regarding the questions received until 4<sup>th</sup> May 2020, in relation to the “Invitation for submitting offers regarding the procurement of PIXEL air quality and noise monitoring sensors”.

The said reply constitute an integral part of the Call.

**Question 1:**

*Since PIXEL EU program (Port IoT for Environmental Leverage) is related to environmental monitoring, we understand that the noise sensors are intended to be placed in outdoor environments. In that case there should be additional specifications regarding this mode of operation such as:*

*Sensor (mic and preamp) ingress protection category: IP55 according to IEC 60529,*

*Enclosure hosting other electronic parts ingress protection category: IP67 according to IEC 60529,*

*Operational temperature: -20 to 50 °C,*

*in order to exclude noise monitoring sensors that will not endure in outdoor measurements*

**Answer 1:**

Correct

**Question 2:**

*According to Greek legislation, the instruments used for environmental noise measurements should be regularly checked for their measurement accuracy. There are two ways to achieve this:*

*i) Using a Class 1 field Calibrator to do manually on-site calibration tests, in which case the supplier should also provide you with a Class 1 acoustic calibrator (separate instrument) and train your personnel how to do the field calibration*

*ii) The noise monitoring sensor system has a build-in feature for this purpose (called Mic. Check or SysCheck from various vendors) and the validation is done automatically in periodic intervals, without the need for an acoustic calibrator*



**Answer 2:**

We prefer the 2nd choice

**Question 3:**

*Format: dispersion mapping, ASCII.*

*Όταν αναφέρετε dispersion mapping, τι ακριβώς επιθυμείτε με αυτήν την απαίτηση;*

**Answer 3:**

The software shall include the capability of presenting data in various formats such as rose diagrams, correlation with meteorological parameters etc.

**Question 4:**

*Data hosting package*

*Με το Data hosting package η διακήρυξη ζητάει data plan και SIM για την επικοινωνία με τον σταθμό μέσω Internet;*

**Answer 4:**

Correct

**Question 5:**

*Μετεωρολογικά αισθητήρια και ποια;*

**Answer 5:**

Μετεωρολογικός σταθμός για την μέτρηση Ταχύτητας ανέμου, διεύθυνσης ανέμου, βαρομετρικής πίεσης, θερμοκρασία αέρα, υγρασία αέρα

**Question 6:**

*Οικίσκος τοποθέτησης εξοπλισμού (τα certified όργανα απαιτούν κλιματιζόμενο χώρο λειτουργίας);*

**Answer 6:**

Ναι

Please visit regularly PPA SA website in order to be promptly informed about the above mentioned tender.