

## **CCT member and observer Activity Report**

**Period:** January to December 2021

**Institute:** PORTUGUESE INSTITUTE FOR QUALITY, IPQ

**State economy:** Economy and Digital Transition

**Number of persons involved in thermometry of the institute:** 4

### **Short summary of research and development:**

Participation in EMPIR Real K – Realising the redefined kelvin on workpackage 3: Extending the life of the International Temperature Scale of 1990

Participation in EMN – Climate and Ocean Observation: sections: sea, atmosphere, cross sectional experts

WG best practice / Relative humidity calibrations guide

Participation in the activities of this WG: webmeetings of 25<sup>th</sup> of May and 30<sup>th</sup> of October of 2021

Integration of the CCT Task Group Air Temperature - Sub Group 3 “Guides”

### **Short summary of recent comparison activity:**

CCT-K7.2021: Comparison of Water Triple Point Cells.

EURAMET T-K9 - ITS 90 SPRT Calibration from the Ar TP to the Zn FP

### **Short summary of other activities:**

Participation in EMPIR Real K meetings; TC-T meetings; BIPM workshops; EURAMET workshops; WG best practice / Relative humidity meeting; Customers services for Thermometry, Relative Humidity and ITS90 Fixed Points.

### **Link to bibliography or list of bibliography (last 5 years):**

<https://iopscience.iop.org/article/10.1088/1681-7575/abe8c1>

<http://dx.doi.org/10.1109/MetroSea52177.2021.9611626>