In the frame of the European Meteorology Research Program (EMRP), a new research project has been approved for funding in the 2011 call and starts its activities the 1st June 2012. This project is coordinated by Centro Español de Metrología and has 13 partners from 12 countries and several collaborators around Europe.

This project is focused on the development of new advanced techniques for providing improved traceability to the kelvin to support its wider and simpler dissemination to the users.

The project objective will be attained by:

a) The development of new interpolation instruments and techniques and through implementing practical primary thermometers which will be able to perform a calibration of Standard Platinum Resistance Thermometers (SPRT) directly to the new kelvin definition.

b) Solve current outstanding questions related to the ITS-90 temperature fixed points, to clarify the discrepancies in their realization facilitating a reduction of their uncertainty.

This project is a challenge in the field of fundamental thermometry: it will solve some of the pressing weaknesses of the ITS-90 and will help make practical the link between the thermodynamic temperature $T$ and the temperature defined by the International Temperature Scale of 1990, $T_{90}$. This JRP offers solutions to the most pressing problems associated with high level practical temperature metrology, in the most widely used temperature range, from -218 ºC up to 1000 ºC.

The objective of the workshop is to present the activities of the project to the thermometry community (National Metrology Institutes, Accredited Laboratories, Accreditation Bodies, manufacturers, end users...) and to establish a direct contact with other interested parties and future collaborations.
### AGENDA

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00-10:05</td>
<td>Welcome to CEM</td>
<td>J.A. Robles (CEM)</td>
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<tr>
<td>10:05-10:20</td>
<td>Overview of the project</td>
<td>D. del Campo (CEM)</td>
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<tr>
<td>10:20-11:15</td>
<td>Brief presentations of the partners and collaborators</td>
<td>All partners and collaborators</td>
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<td>11:15-11:35</td>
<td>Coffee break</td>
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<tr>
<td>11:35-12:05</td>
<td>Brief presentation of the partners and RMG candidates. (cont.)</td>
<td>All partners and collaborators</td>
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<tr>
<td>12:05-12:20</td>
<td>Presentation of Work Package 1 (WP1) &quot;Reducing the uncertainties related to the realisations of the defining fixed points&quot;: activities and deliverables.</td>
<td>D. del Campo (CEM)</td>
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<tr>
<td>12:20-12:35</td>
<td>Presentation of WP2 &quot;Standard Platinum Resistance Thermometers (SPRT) and capsule type SPRT calibration procedures and temperature scale non-uniqueness&quot;: activities and deliverables.</td>
<td>J. Pearce (NPL)</td>
</tr>
<tr>
<td>12:35-12:50</td>
<td>Presentation of WP3 &quot;New temperature fixed points for improved dissemination of ITS 90 and future International Temperature Scales&quot;: activities and deliverables.</td>
<td>F. Sparasci (CNAM)</td>
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<tr>
<td>12:50-13:05</td>
<td>Presentation of WP4 &quot;Approximation of the kelvin in the range from 500 °C to 1000 °C&quot;: activities and deliverables.</td>
<td>D. Taubert (PTB)</td>
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<tr>
<td>13:05-13:20</td>
<td>Presentation of WP5 &quot;Exploring new methods to establish traceability to the kelvin&quot;: activities and deliverables.</td>
<td>A. Merlone (INRiM)</td>
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<tr>
<td>13:20-13:40</td>
<td>Feedback from the attendants: suggestions and comments to improve the project impact. Conclusion.</td>
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</table>
VENUE

Centro Español de Metrología
Alfar 2
28760 Tres Cantos (Madrid)
Spain

TRANSPORT

Taxi:
- Airport - Tres Cantos, approximately 40 € / 20 minutes
- Madrid – Tres Cantos, approximately 40 € / 20-25 minutes

Public Transport:
- Airport – Tres Cantos:
  o Terminal 4 to Tres Cantos: Commuter train (line C1) changing the line in “Chamartín” (line C4B) or bus line 827.
  o Terminals 1 to 3 to Tres Cantos: Metro to “Chamartín” (lines 8 and 10) and Commuter train (line C4B).
- Madrid – Tres Cantos:
  o Commuter train line C4B
  o Bus (from Plaza de Castilla) lines 712, 713 and 716.

LODGING

Hotels in Tres Cantos:
- Hotel VP Jardín de Tres Cantos: www.vphoteles.com
- Hotel Quo Fierro: www.hotelesquo.com
- Hotel Foxá Tres Cantos: www.foxa.com

USEFUL LINKS

- CEM Location: http://maps.google.es/maps/place?cid=14815477310327318228&q=centro+espa%C3%B1ol+de+metrolog%C3%ADa&gl=es
- Buses, Tres Cantos: http://www.entrescantos.es/transporte-publico/bus
REGISTRATION FORM

NAME:
COMPANY:
ADDRESS:
TELEPHONE:
E-MAIL:

The registration is free.

Please send this registration form by e-mail to: ddelcampo@cem.minetur.es

Deadline for registration 8th June