

## Gruber Christoph

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[www.iservcmb.info](http://www.iservcmb.info)



**Dr. Ian Knight**

Project Coordinator

*Welsh School of Architecture,  
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Welcome to the fifth iSERVcmb Newsletter,

This newsletter introduces the next stage of the project, where attention turns from data gathering and setting up the systems to be monitored towards physically inspecting and monitoring the indoor air quality (IAQ) of selected systems in conjunction with their energy consumption.

The aim of this concurrent testing is to gain confidence in where the benchmark performance standards are being set relative to IAQ, and to test whether the physical inspections are identifying the same problems and opportunities as are being identified from the metered data.

The newsletter also discusses iSERVcmb at the recent CLIMA 2013 conference in Prague where iSERV presented a paper on Benchmarking HVAC systems as well as ran a well-attended workshop.

At this stage of the project there are now 156 buildings in the database, 798 HVAC systems and 2975 HVAC components. These cover an area of 585,358 m<sup>2</sup>.

Overall the project is continuing to gather pace and is starting to influence thinking in this area. The project's next meeting will be in Porto, Portugal from 10th to 12th September, with the Public Workshop on the 12th. The project will also be presented to the CA3 Meeting in Malmö on the 11th October.

I hope you find the newsletter useful – please do not hesitate to contact your local iSERV Partner if you wish to know more about the project or would like to know how your HVAC system is performing. Don't forget there are substantial free cost savings to be made in almost all HVAC systems – let iSERV help you find where they are in your system.

With best wishes for a relaxing and fulfilling Summer.

Regards



**Ian Knight**

## **News**

### **Physical inspections to compare on-site performance to the conclusions of the monitoring**

One benefit of joining iSERVcmb is the possibility of physical inspection of your system. All in all, around 80 inspections will be carried out in Europe, delivering valuable information for participants and project iSERVcmb. Dave Wright from MacWhirter Limited explains why physical inspections are important for iSERVcmb and provides you with insights into first outcomes. [\[more\]](#)

### **Energy efficiency at all costs? Indoor air quality tests as a reality check.**

Indoor Air Quality (IAQ) is a major issue to be considered when trying to achieve energy efficiency in HVAC systems. An HVAC system exists to provide comfortable and healthy conditions, and this requirement should not be compromised in the search for the most energy efficient systems. As a reality check, we carry out IAQ-tests all over Europe. [\[more\]](#)

### **CLIMA 2013: REHVA's World Congress and iSERV's contribution.**

REHVA is an important partner and promoter for project iSERVcmb. In June 2013, Prague hosted one of the most significant professional events of the year focused on heating, ventilation and air conditioning in buildings – the REHVA Congress CLIMA 2013. iSERV was part of it. Read our review [\[here\]](#).

### **HVAC system operators and legislators attend an iSERV public workshop in Ljubljana.**

The Ljubljana workshop took place on April 25, 2013 and was organized by iSERV project partner University of Ljubljana. It was arranged in two parts. In the first part an overview of the iSERV project was given. The aim of the second part was to get feedback from attendees themselves. Click [\[here\]](#) to read our Review.

### **iSERVcmb's first public workshop in Spain.**

The first iSERV Workshop in Spain took place in Madrid, on January 25th, 2013. It was an initiative carried by the University of Porto, partner in the project's consortium, to introduce the iSERV project and its recent developments to the Spanish community in the energy metering field. [\[more\]](#)

### **Sign up for our next public workshop in Portugal!**

The next public workshop will take place in Porto, Portugal on Thursday, September 12, 2013 and will be held in the premises of Faculdade de Engenharia da Universidade do Porto. More info can be obtained by writing to José Luis Alexandre ([jlalex@fe.up.pt](mailto:jlalex@fe.up.pt)) from the University of Porto. [\[Register\]](#) for joining us in Portugal!

## Upcoming publications on ISERV in Portugal

The next issue of the HVAC specialty magazine “Climatização” in Portugal will cover an article on the iSERV Project. It describes the current progress of the project and will reveal interesting figures about the extension of the database so far. The article also includes a description of the project’s activities in Portugal and Spain and the upcoming seminar in Porto. [\[more\]](#)

## Social Networks



## Partners

Welsh School of Architecture, Cardiff University UK (Project co-ordinator)		K2n Ltd UK	
MacWhirter Ltd UK		National and Kapodistrian University of Athens Greece	
University of Porto Portugal		Politecnico di Torino Italy	
Université de Liège Belgium		Univerza v Ljubljani Slovenia	
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