

Gruber Christoph

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www.iservcmb.info

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Inspection of HVAC Systems through continuous monitoring and benchmarking



Dr. Ian Knight

Project Coordinator

*Welsh School of Architecture,
Cardiff University*

Welcome to the fourth iSERVcmb Newsletter,

The project has now entered an intensive data gathering phase as it gears up to supporting its end users in understanding and achieving the energy savings available in their HVAC systems.

This newsletter highlights the 25% reduction in the total building electrical energy use achieved from a pilot project using the iSERV approach over the last 7 years. It shows conclusively that significant energy and monetary savings can be achieved through good control of even sub-optimal HVAC systems without significant investment, provided the right information and control options are available.

To re-iterate, the iSERV philosophy is based on describing, collating and measuring physical assets in a building down to the level of individual HVAC components. This then enables end users to understand their HVAC systems and where they are intended to serve. This information alone enables better control to be applied in many instances. Once this has been achieved then sub-metering applied to HVAC components enables greater insights into operational issues to be obtained and, where applicable, suggestions for Energy Saving Opportunities fed back automatically to the end user.

The project still requires end users who would like to understand their systems and contribute to the development of this type of approach to reducing energy use in buildings. If you consider you have access to this type of information then please contact your local iSERV Partner for further details of how to join the project, or please feel free to email any of the Partners should you just wish to know more about the project,

Regards



Ian Knight

News

The first case study on iSERV's effects on HVAC energy consumption has arrived.

One benefit of joining iSERVcmb is the possibility of an independent case study of your system. We will create a number of case studies for those participants who are willing to have their systems identified. A case study report on McKenzie House in Cardiff, UK gives an indication of what such a study might look like for your organisation. [\[more\]](#)

iSERV's online application "H.E.R.O." is evolving.

H.E.R.O. (HVAC Energy Reporter and Optimiser) is at the heart of iSERVcmb. It is the online application which project participants use for analysing, benchmarking, and optimising their HVAC systems. Over the past few months, H.E.R.O. has evolved – new features have been introduced and more monitoring data has been put into the database. [\[more\]](#)

iSERV is spreading the word all over Europe.

We strive for a wide dissemination of iSERV's project findings. Swegon AB, a Sweden-based manufacturer and marketer of products and solutions for ventilation and indoor climate systems, is a member of iSERV's Steering Group and an important partner in ensuring the project is relevant to Industry. Through its independent body for knowledge exchange, Swegon Air Academy, the company is helping us to promote iSERV all over Europe:

- **Road show through Poland:** Ian Knight held seminars in four different Polish cities. [\[more\]](#)
- **Green building seminar in London on board HMS Belfast:** Ian Knight on energy efficiency in HVAC systems. [\[more\]](#)
- **Early days:** Swegon Air Academy on iSERVcmb's first steps. [\[more\]](#)
- All presentations held by Ian Knight for Swegon Air Academy can be downloaded [\[here\]](#).

iSERV is proud to Introduce two new faces to the project team.

CIBSE and REHVA are two important Partners and promoters for project iSERVcmb. Both Professional Bodies have recently assigned new representatives to work for iSERVcmb - and we are delighted to welcome Dr Jacquelyn Fox (CIBSE) and Anita Derjanecz (REHVA). Their profiles and roles within iSERVcmb can be found on our website. [\[more\]](#)

Austrian HVAC system operators attend an iSERV public workshop in Vienna.

The iSERVcmb Vienna Workshop took place on January 24, 2013. It was organized by iSERV project partner Austrian Energy Agency. The focus of the workshop was primarily to inform the nearly 40 people present about iSERVcmb and the requirements to participate. Click [\[here\]](#) to read our Review.

Sign up for our next public workshop in Ljubljana, Slovenia!

The next public workshop will take place in Ljubljana, Slovenia on Thursday 25th April 2013 with an introduction by Erik Potocar, Ministry of Infrastructure and Spatial Planning. Log in to iSERVcmb.info and express your interest in participating with us in Slovenia! [\[more\]](#)

How do you like our new mockup report from H.E.R.O.?

The iSERVcmb team has prepared a new mock up report which is based on a real case study already inside the iSERVcmb database. This will give you a feel with regard to the format of the reports you will be receiving if you decide to join the iSERVcmb project. [\[more\]](#)

We are delighted to announce the launch of our revamped website.

Following feedback from our iSERVcmb project partners and participants, we decided to give the website a brand new look. The new site still has all the useful information and tools to help you participate to the iSERVcmb project but with a fresher look and easier to navigate format. [\[more\]](#)

Simply GREEN: Swegon Air Academy's new book about sustainable building certification.

Simply GREEN is a quick guide to environmental and energy certification systems for sustainable buildings. The systems compared in the book are BREEAM, LEED, DGNB, Green Star, Miljöbyggnad, HQE, Green Building, Minergie, Passive House, CASBEE, IGBC, ENERGY STAR and Effinergie. It is available [\[here\]](#).

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	
University of Pecs Hungary		Austrian Energy Agency Austria	
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Editor: Dr. Ian Knight

Cardiff University
Newport Road 30-36
CF24 0DE Cardiff
United Kingdom

knight@cardiff.ac.uk

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