

UKIEG Annual Conference 2022

What makes indoor environments beneficial for health and well-being?

Re-thinking definitions of indoor environmental quality



Indoor Environment Quality

What is it?

BS 40101:2022

Building performance evaluation of occupied and operational buildings (using data gathered from tests, measurements, observation and user experience) — Specification

Terms and Definitions

3.17 (IEQ);

composite characterization of performance attributes that collectively describe the quality of an internal environment

NOTE There is no definitive list of performance parameters, however these can include temperature, humidity, air quality, acoustic attributes, odours, air movement, lighting, glare, and, in some cases, their time derivative.

Annual General Meeting

'We are committed to promoting the development, synthesis, dissemination and application of evidence relating to policy and practice in the UK indoor built environment, with the ultimate aim of improving health and wellbeing.'

Derrick Crump, Chair, UKIEG

On-line hosted by: Birmingham City University

23.06.2022



Agenda

1. **Welcome and Chairman's Report.**
2. **Committee membership.**
 - a. Dzhordzhio Naldzhiev completes a 3 year term and has been nominated for a further term.
 - b. Nomination for chair and vice-chair.
 - c. Nominations for co-opted ordinary members and corresponding only ordinary members.
3. **Topics & Venue for the next UKIEG annual conference**
4. **AOB: Motions/Comments from members.**



UKIEG: Background

Established in 2003, to co-ordinate and provide a focus for UK activity concerned with improving indoor environments for people.

UKIEG Objectives

- To promote the health and well being of people in indoor environments.
- To promote research and research collaboration in all aspects of the indoor environment.
- To increase awareness of current activity and knowledge gaps in areas concerned with indoor environments and people.
- To disseminate knowledge concerned with indoor environments and people.
- To promote the effective and efficient design and operation of indoor environments.
- To communicate, integrate and network activity concerned with indoor environments and people.
- To communicate and liaise with other relevant groups within the UK and abroad.
- To promote good practice.

UKIEG Management 2021/22

- 2021 AGM (24th June) held on-line.
- Committee held 5 on line meetings hosted by UCL.
- Thanks to all committee officers and ordinary members for freely giving their time and expertise.
- Thanks to all members for their interest in promoting healthy indoor environments

Conferences so far

- **June 2022**, virtual conference, **Birmingham City University**. What makes indoor environments beneficial for health and well-being? Re-thinking definitions of indoor environmental quality
- **June 2021**, virtual conference, **Birmingham City University**. Indoor Environmental Quality for Healthy Buildings: the Indoor / Outdoor Interface.
- **July 2020**, webinar, **Birmingham City University**. Adapting our built environment for climate change; challenges and implications from the COVID crisis.
- **June 2019**, **Airflow Developments, High Wycombe**. Emerging issues in Indoor Environmental Quality: Science and Policy.
- **May 2018**, **Airflow Developments, High Wycombe**. Ventilation, Indoor Air Quality and Human Health.
- **April 2017**, **Glasgow School of Art**. Indoor Environments and Health in Buildings.
- **June 2016**, **Coventry University**. Health and wellbeing throughout the life course: the role of residential and learning environments.
- **June 2015**, **London School of Hygiene and Tropical Medicine**. Resilient and healthy indoor environments for the 21st century: priorities and challenges.
- **June 2014**, **University of Leeds**. Low Carbon Buildings: what about health and wellbeing?
- **June 2013**, **Department of Health**. Healthy Indoor Environments: Latest Evidence and Future Challenges.
- **February 2012**, **Department of Health**. Healthy Homes: Ventilating Right for Good Indoor Air Quality.
- **February 2011**, **Department of Health**. Indoor Environments, Health and Wellbeing.
- **February 2010**, **Cranfield University**. Wellline: Indoor Environment and Chronic Disorders across the Life Course.

Conferences so far

- **October 2008, Department of Health.** Healthy indoor environments for an ageing population.
- **November 2007, York University.** Assessment and control of the indoor environment for improved health: standards, guidelines, rating systems and toolkits.
- **October 2006, University College London.** Energy efficiency and the quality of the indoor environment: impacts on human behaviour and energy use.
- **November 2005, BRE, Watford.** Indoor environments and children's health: the role of schools, hospitals and the home.
- **October 2004, Department of Health.** Housing and health: challenges for UK science and policy.
- **November 2003, MRC Institute for Environment and Health.** Leicester Launch event: overview of members' research activities and interests.

For past programmes and a wide range of presentations see web site ukieg.org

We look forward to many more to come...

UKIEG conference papers

Primary theme of 226 presentations to UKIEG conferences 2003-2021

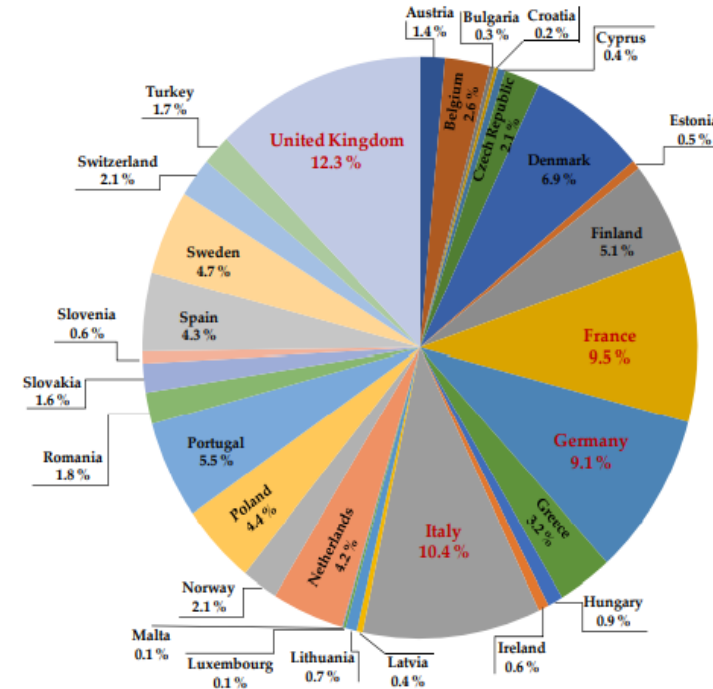
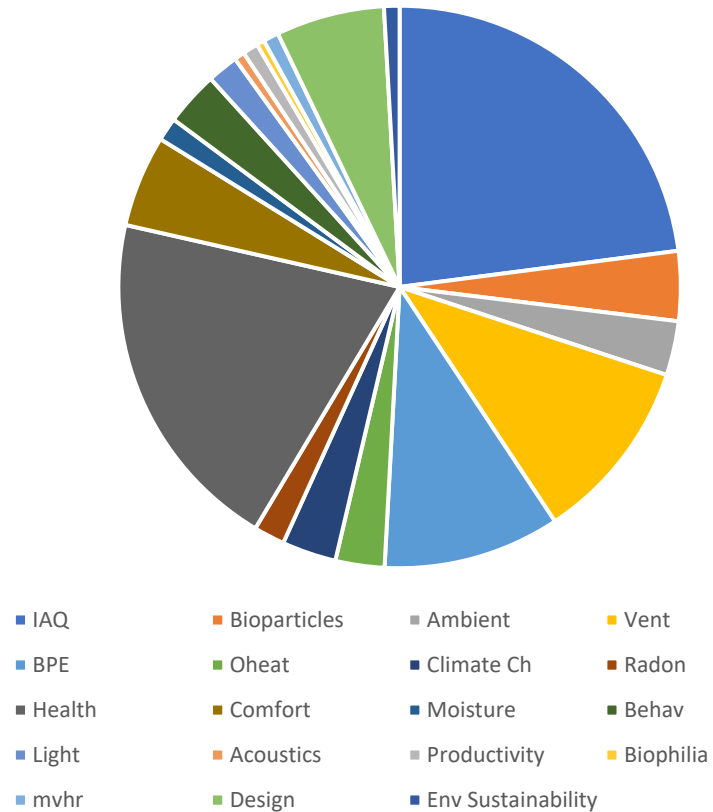


Figure 1. Percentage of country contributions to the total amount of publications on indoor air quality (IAQ) in Europe from 2000 to 2020. (Source: Scopus, search: 19 January 2020); includes Norway, Switzerland, Turkey, and the UK, which is to be expected to leave UE on 31 January 2021.

Atmosphere 2020, 11, 370; doi:10.3390/atmos11040370

Indoor Environment Quality Definition

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composite characterization of
performance attributes that collectively
describe the quality of an internal
environment

NOTE There is no definitive list of
performance parameters, however
these can include temperature,
humidity, air quality, acoustic attributes,
odours, air movement, lighting, glare,
and, in some cases, their time
derivative.

What additional parameters would make
a definitive list?

‘What makes indoor environments
beneficial for health and well-being? Re-
thinking definitions of indoor
environmental quality?’

Both the objective and subjective
design parameters e.g. the Flourish
model including view from my window,
biophilic properties, space, layout and
functionality, character, colour,
aesthetics.....

Sustainability? e.g. the impact of
buildings and their occupants on
climate change. Water quality? Safety?

UKIEG 2021/22 Highlights

323 Registered Members

Website (particular thanks to Alejandro)

Newsletters (particular thanks to Dzhordzhio)

Conferences; (particular thanks to BCU for our 19th annual research conference)

Networking and disseminating, promoting

Email Notices; (particular thanks to Grainne)

Interfacing with policy makers
e.g. representation at APPGs, CO group, UKRI SPF clean air networks

Website, LinkedIn and Twitter communications (particular thanks to Grainne and Dzhordzhio)

Committee 2021/22 Officers and Ordinary Members

- **Derrick Crump**, IAQ Consulting – Chair
- **Sani Dimitroulopoulou**, UKHSA – Vice chair
- **Marcella Ucci**, UCL - Secretary
- **Grainne McGill**, Strathclyde University -
Membership secretary
- **Isabella Myers**, Independent Consultant
- **Dzhordzhio Naldzhiev***, BEIS
- **Paul Wilkinson**, LSHTM
- **Monica Mateo Garcia**, BCU

* Completion of 3 year term



Committee 2021/22 Ordinary Co-opted Members

- **Jon Bootland**, Sustainable Development Foundation
- **Azadeh Montazami**, Coventry University
- **Alejandro Moreno Rangel**, Lancaster University

Corresponding only Ordinary Members

- **Cath Noakes**, University of Leeds
- **Chuck Yu**, ISBE
- **Derek Clements-Croome**, University of Reading
- **Paul Harrison**, IEH Consulting

Note; All elected for one year term



Proposed Committee 2022/23

Officers and Ordinary Members

1. **Derrick Crump**, IAQ Consulting – Chair
2. **Sani Dimitroulopoulou**, UKHSA – Vice chair
3. **Marcella Ucci**, UCL - Secretary
4. **Grainne McGill**, Strathclyde University -
Membership secretary
5. **Isabella Myers**, Independent Consultant
6. **Dzhordzhio Naldzhiev***, UCL & OPSS -BEIS
7. **Paul Wilkinson**, LSHTM
8. **Monica Mateo Garcia**, BCU

*Nominated by committee



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* Nominated by committee



Actions / Suggestions

Committee **Co-options**; the committee always welcomes hearing from members who have an interest in joining the committee to contribute to particular tasks and/or broaden our depth of coverage of indoor environment specialisms such as lighting and acoustics.

Next Annual Conference:

2023

Suggestions for Topics and Decision on
Hosting

Offers of joint meetings.

Other actions required.

AOB.

Thank you all for attending!



Special thanks to:

- our speakers and chairs for enabling our 2022 conference.
- Birmingham City University.
- UKIEG committee.

Derrick Crump

23.06.2022