



### Invited contributions

The Scientific Committee invites participants to present posters and oral communications on subjects related to the theme of this workshop.

- Abstracts should be submitted according to the information on the website – [www.eurachem2018.com](http://www.eurachem2018.com)
- Abstracts will be subject to approval by the Scientific Committee.
- Participants will be notified of acceptance by **28<sup>th</sup> February 2018**.

### Registration

Scientific Workshop Registration Rates

	Early (until 31 March 2018)	Standard (1 April – 4 May 2018)	Late / Onsite (from 5 May 2018)
VAT is not applicable on the fees shown below			
<b>Delegate</b> (Includes: Attendance at the workshop on 14 <sup>th</sup> & 15 <sup>th</sup> May, coffee breaks, lunches and attendance at the conference dinner on the evening of Monday 14 <sup>th</sup> May)	€300.00	€350.00	€400.00
<b>Student</b> (Please note you will be asked to provide proof of your student status at registration)	€100.00	€150.00	€150.00
<b>Accompanying Person</b> (Attendance at the conference dinner on the evening of Monday 14 <sup>th</sup> May)	€100.00	€100.00	€100.00

To register please visit

[www.eurachem2018.com](http://www.eurachem2018.com)



### Location

Dublin is a compact, authentic city where the past and present co-exist in perfect balance. Walking through the city is like travelling through time: you turn the corner and just like that, you go from the fourteenth century to the twenty-first century.

With a great transport infrastructure, Dublin is easy to get around, meaning nothing is ever too far away!

### Why visit Ireland?

Right now, Ireland has it all. From the haunting beauty of the pure, unspoiled landscapes and the drama of the coastline, to the urban buzz of the country's dynamic cities mixed with the magic of thousands of years' worth of culture and history, Ireland is a country that never fails to surprise.

Wild and beautiful, inspiring and exciting, Ireland's energy and romance will win you over in an instant. And with some of the friendliest people in the world, this perfectly sized and surprisingly diverse island will keep you coming back for more. 4 out of every 5 people asked say that Ireland is in their list of top 5 places to visit.

### Accommodation

Dublin boasts a wide range of hotels available within a ten-minute walk of Dublin Castle. Delegates are to make their own hotel bookings directly. A list of nearby hotels and their websites are available through the Eurachem 2018 website or follow the direct link below.

[www.eurachem2018.com/visit-dublin](http://www.eurachem2018.com/visit-dublin)

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## Second circular



**Scientific Workshop**  
in connection with Eurachem  
General Assembly 2018

**Data - Quality,  
Analysis and Integrity**

**Promoting excellence in chemistry**

**DUBLIN, IRELAND**  
Dublin Castle - 14<sup>th</sup> & 15<sup>th</sup> May 2018



The State Laboratory  
An tSaotharlann Stáit



## Workshop Programme

### Data - quality, analysis & integrity workshop

The workshop will be directly relevant to everyone working in state, semi-state and private organisations across a wide range of sectors including pharmaceutical, environmental, food, clinical, forensics and academia.

#### Aims

- Understand the importance of scientific data integrity and how to achieve it
- Understand risks and opportunities related to data
- Discuss future challenges in data quality, analysis, integrity and compliance
- Discuss the impact of new developments on data quality, analysis, integrity and security

The workshop will run over two days, Monday and Tuesday, 14<sup>th</sup> and 15<sup>th</sup> May 2018.

For more details on the workshop and to register visit  
[www.eurachem2018.com](http://www.eurachem2018.com)

### Day 1 - Monday May 14<sup>th</sup> Theme "Current best practice/Where are we now?"

9:00 - 10:00	(Re)introduction to statistics: dusting off the cobwebs
8:30 - 10:15	Registration
10:15 - 10:30	Welcome and Opening Address
<b>Session 1: Data Quality</b>	
10:30 - 12:00	Stefano Cappe, Data Management Team Leader, DATA Unit, European Food Safety: <b>'Can we quantify the quality of data?'</b> Additional topics for this session include: • Design of experiments • Quantitative and qualitative data
12:00 - 13:00	Lunch
<b>Session 2: Data Analysis</b>	
13:00 - 14:30	Topics for this session include: • Sampling - information on sampling to allow correct analysis/interpretation • Importance of meta-data (additional info on parameters needed to interpret data, e.g. quality of sampling protocol)
14:30 - 15:00	Coffee
<b>Session 3: Data Integrity</b>	
15:00 - 16:45	Kyriacos C. Tsimillis, Division of Quality Assurance, Pancyprian Union of Chemists: <b>'Requirements of the accreditation standards'</b> Additional topics for this session include: • What is data integrity and why is it important • Data management systems (including contemporaneous, hard copy issues) • Operation of advanced instrumentation (input/output) • Ensuring correct operation of software
17:00 - 19:00	Wine Reception and Poster Session
19:30	Conference Dinner

### Day 2 - Tuesday May 15<sup>th</sup> Theme "Risks and emerging challenges/Where to go from here?"

<b>Session 1: Data Quality</b>	
9:30 - 10:30	Bertil Magnusson, RISE (Research Institute of Sweden) and Trollboken AB: <b>'Revised internal QC from NORDTEST'</b> Additional topics for this session include: • Risk based approach to quality • 3 'pillars' – method validation, measurement uncertainty, traceability • 'Out of specification(OOS)' data – investigation
10:30 - 11:00	Coffee
<b>Session 2: Data Analysis</b>	
11:00 - 12:00	Wolfhard Wegscheider, University of Leoben, General and Analytical Chemistry, Austria: <b>'Multivariate analysis (chemometrics) - quality of multivariate calibration'</b> Additional topics for this session include: • Compliance assessment • Communication of data/information to client
12:00 - 13:00	Lunch
<b>Session 3: Data Integrity</b>	
13:00 - 14:00	Ilya Kuselman, Independent Consultant on Metrology: <b>'Risks of a false decision on conformity of a multicomponent material and quality of chemical analytical results'</b> Additional topics for this session include: • Quality control - a tool for ensuring integrity • Ensuring correct operation of software • Spotting 'rogue' data - tampering & fabrication • Legal/regulatory requirements • Artificial neural networks and other machine learning algorithms
<b>Session 4: Breakout Sessions</b>	
14:00 - 15:30	Parallel Breakout Sessions
15:30 - 16:00	Coffee
16:00 - 16:30	Feedback from Breakout Sessions
16:30 - 16:45	Closing Address