



# Eurachem

A Focus for Analytical Chemistry in Europe

## *Eurachem*



*a focus for analytical chemistry and  
quality related issues in Europe*

## *Eurachem Activities*



# Eurachem

A Focus for Analytical Chemistry in Europe

## Introduction

- What is Eurachem
- Eurachem aims and membership
- Eurachem activities
  - Guidance documents
  - Workshops



1989-2024

# Eurachem

*A focus for analytical chemistry in Europe*

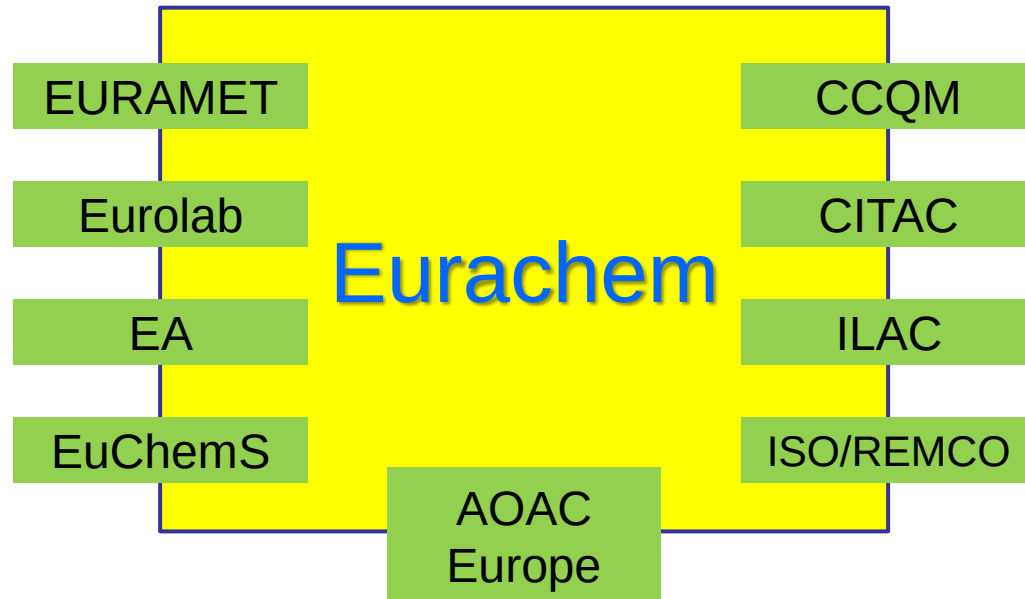


Scope & rules - Memorandum of Understanding see [www.eurachem.org](http://www.eurachem.org)



# Eurachem

A Focus for Analytical Chemistry in Europe





# Eurachem

A Focus for Analytical Chemistry in Europe



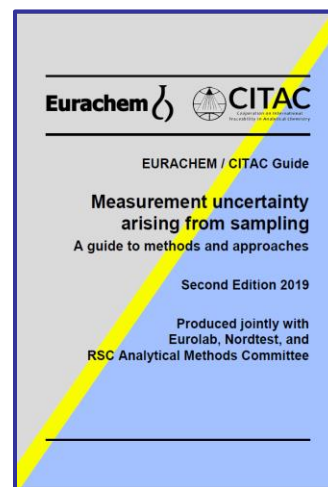
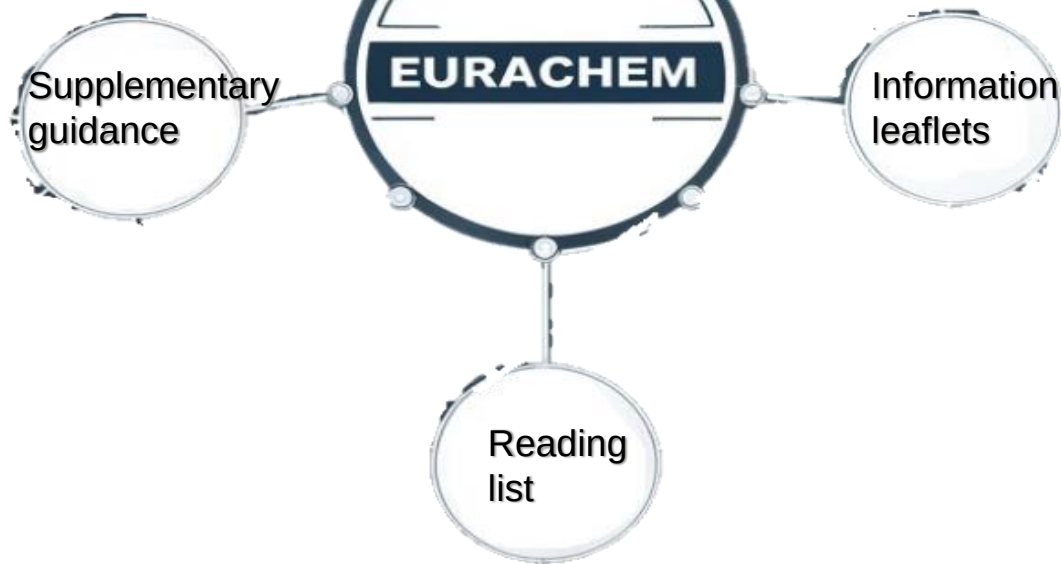
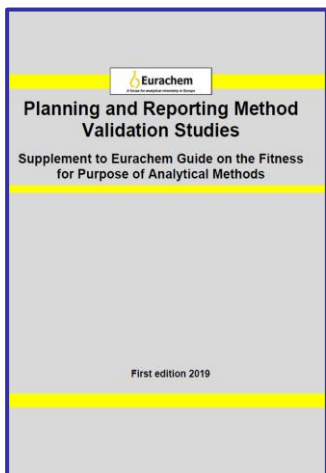
Working Groups documents  
Available at [www.eurachem.org](http://www.eurachem.org)



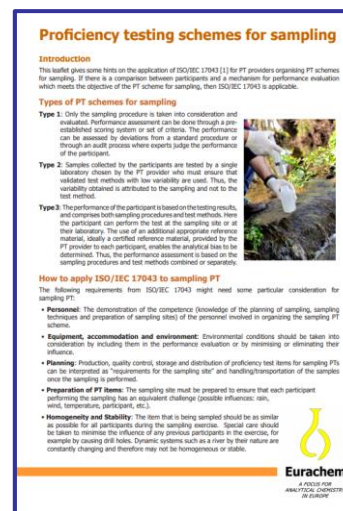


# Eurachem

A Focus for Analytical Chemistry in Europe



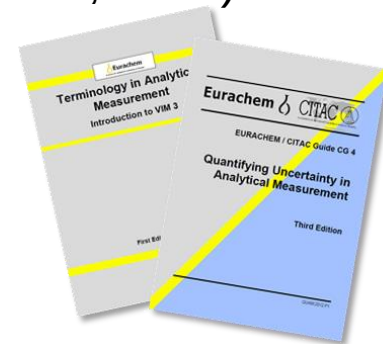
Guidance documents  
Available at [www.eurachem.org](http://www.eurachem.org)

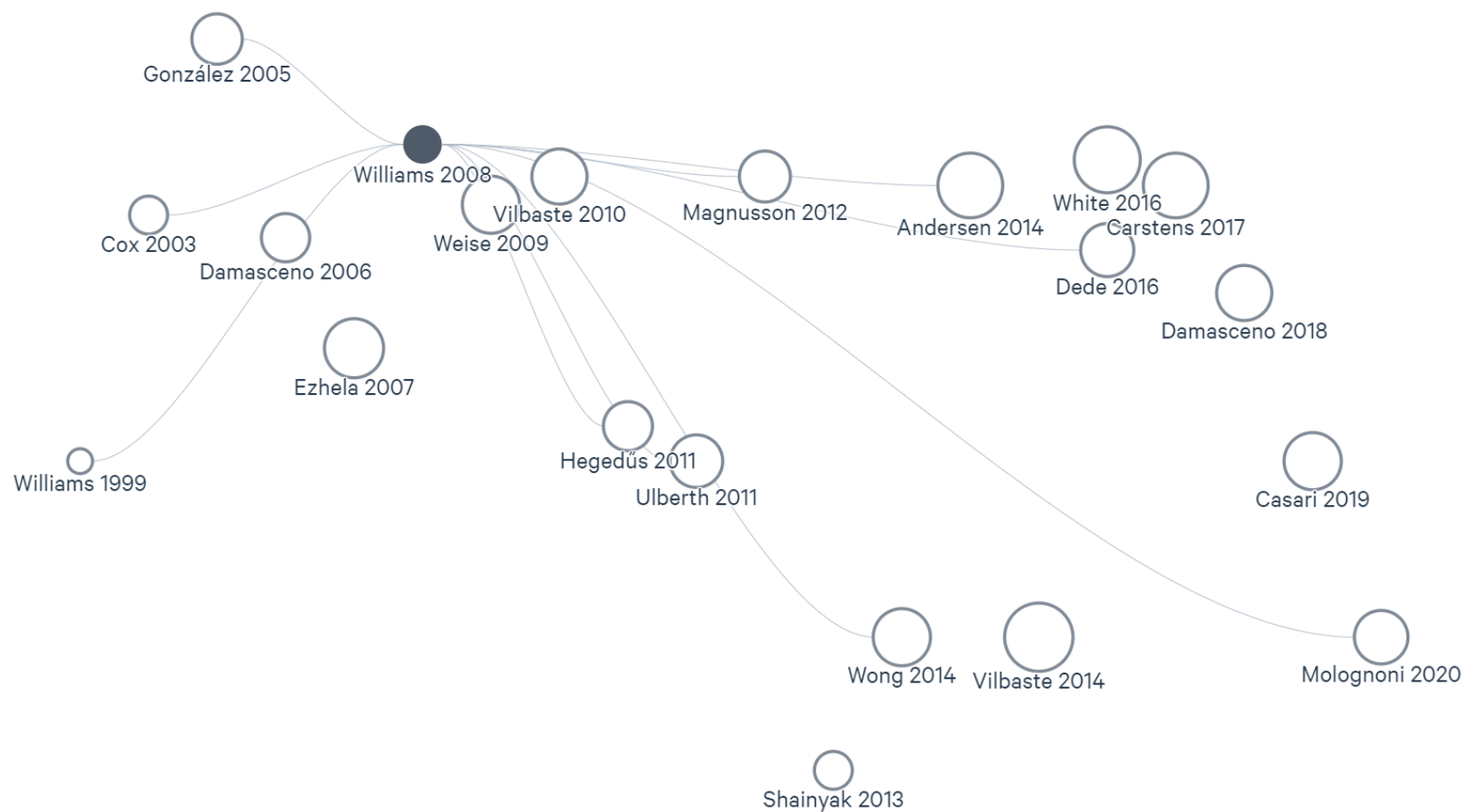


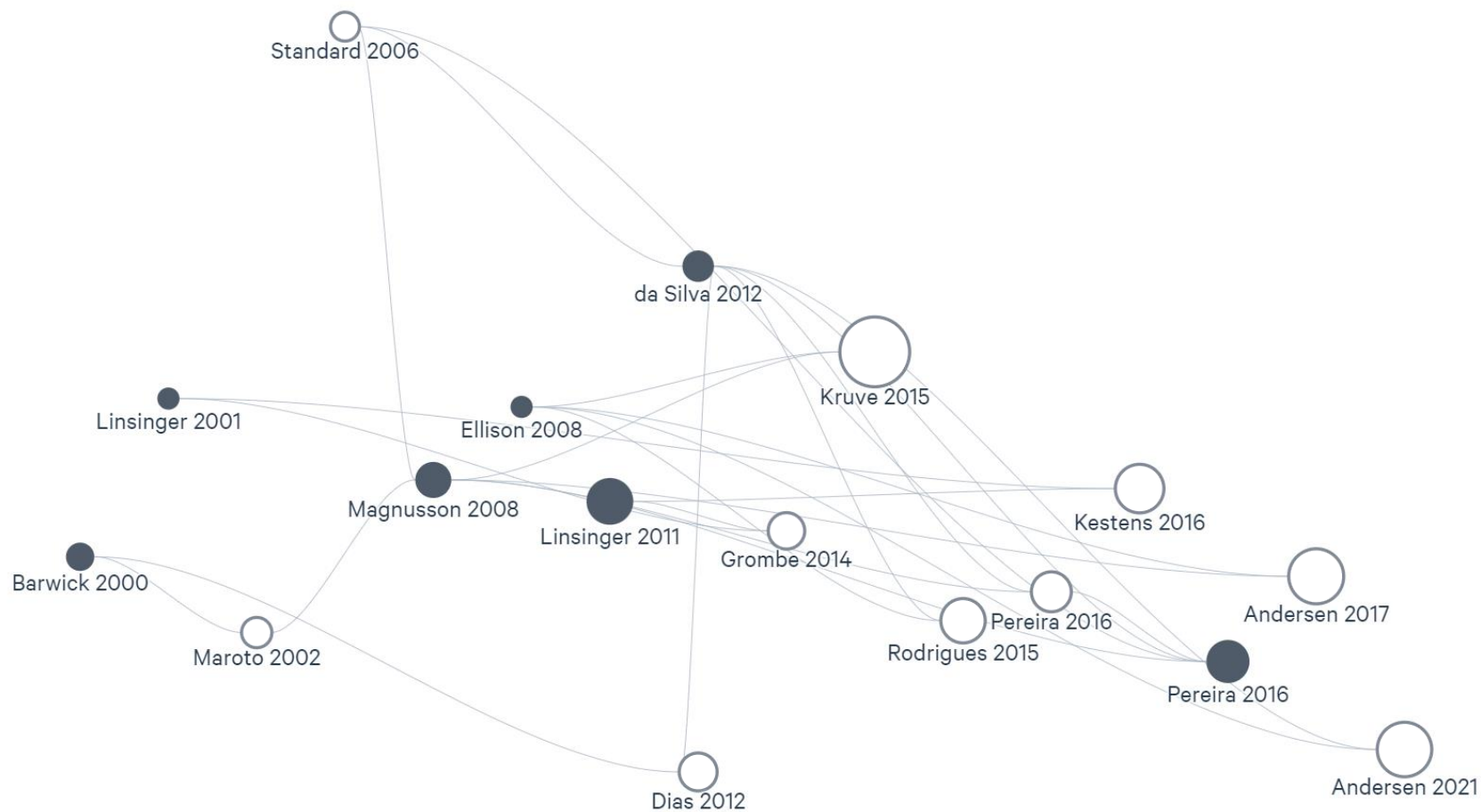


## Guidance documents

- Accreditation for Microbiological Laboratories (3<sup>rd</sup> ed, 2023)
- Terminology in Analytical Measurement: Introduction to VIM 3, (2<sup>nd</sup> ed, 2023)
- Assessment of performance and uncertainty in qualitative chemical analysis (1<sup>st</sup> ed, 2021)
- Use of Uncertainty Information in Compliance Assessment (2<sup>nd</sup> ed, 2021)
- Selection, Use and Interpretation of Proficiency Testing (PT) Schemes by Laboratories (3<sup>rd</sup> ed, 2021)
- Traceability in Chemical Measurement (2<sup>nd</sup> ed, 2019)
- Measurement Uncertainty Arising from Sampling (2<sup>nd</sup> ed, 2019)
- Guide to Quality in Analytical Chemistry: An Aid to Accreditation (3<sup>rd</sup> ed, 2016)
- Setting Target Measurement Uncertainty (1<sup>st</sup> ed, 2015)
- The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics (2<sup>nd</sup> ed, 2014)
- Quantifying Uncertainty in Analytical Measurement (3<sup>rd</sup> ed, 2012)







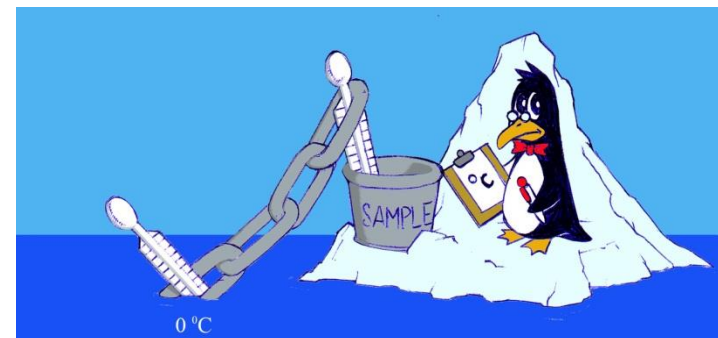
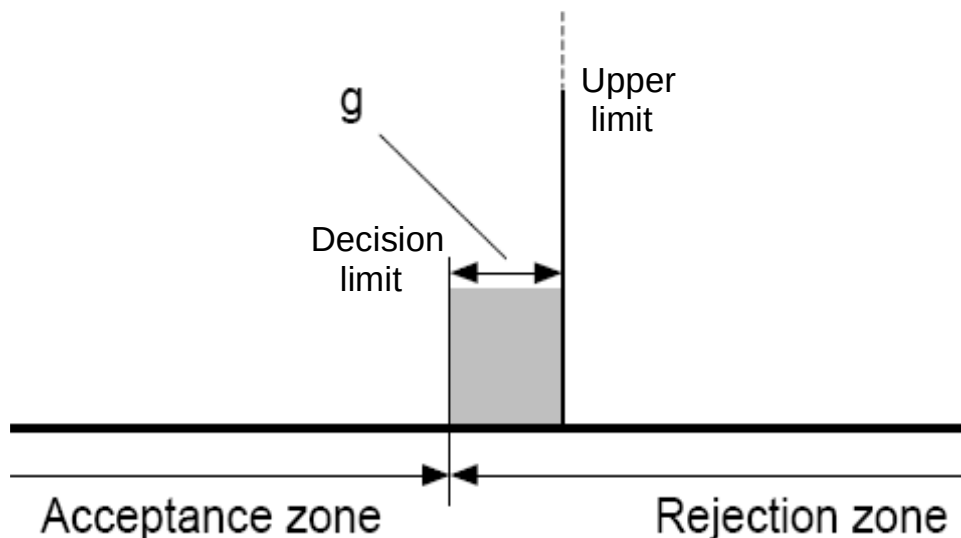




## Eurachem information leaflets

Leaflets are short briefing documents on a specific topic intended to inform a wide audience, including laboratory staff, managers and laboratory customers. Examples: traceability, proficiency testing, quality (uncertainty), compliance.

Leaflet introducing the compliance guide



Leaflet introducing the traceability guide



## Information leaflets & supplements

### Proficiency testing (PT)

- Interlaboratory Comparisons other than PT (2024)
- Understanding PT performance assessment (2024)
- Understanding PT statistics (2024)
- Proficiency Testing Schemes and other interlaboratory comparisons (2022) (1st ed)
- How can Proficiency Testing help my laboratory? (2022)
- Selecting the right proficiency testing scheme for my laboratory (2022)
- Proficiency testing - How much, and how often? (2022) (1st ed)
- Pre- and post-analytical proficiency testing (2022)
- Use of surplus Proficiency Test items (2022)
- How to investigate poor performance in proficiency testing (2022)
- Let's call a PT scheme a PT scheme! (2022)
- PT Schemes for sampling (2020)

**REVISED**





## Information leaflets & supplements

### Measurement uncertainty and traceability

- Use of uncertainty information in compliance assessment (2021)
- Setting target measurement uncertainty (2018)
- Treatment of an observed bias (2017)
- Using repeated measurements to improve the standard uncertainty (2015)
- Traceability of Analytical Results (2005)
- Measurement uncertainty for laboratory customers (2000)
- What is the uncertainty factor? (2021)





## Information leaflets & supplements

- Accreditation
  - ISO/IEC 17025:2017 - A New Accreditation Standard (2018)
- Terminology
  - You talk, we understand – The way out of the tower of Babel (2023)
- Method validation
  - The importance of method validation (2023)
- **SUPPLEMENTS TO GUIDES**
  - Blanks in Method Validation (2019)
  - Planning Method Validation Studies (2019)





## Current guidance activities

- **Guide in preparation:**
  - Evaluation of measurement uncertainty from in-house precision and trueness tests
- **Guides under revision:**
  - The Selection and Use of Reference Materials (2002)
  - Quality Assurance for R&D and Non-routine Analysis (1998)
  - The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics (2014)
  - Guide to Quality in Analytical Chemistry: An Aid to Accreditation (2016)





# Eurachem

A Focus for Analytical Chemistry in Europe

## Eurachem social media channels

### Twitter



@EurachemEurope  
@EurachemEvents  
@EurachemPT

### YouTube



[www.eurachem.org/youtube](http://www.eurachem.org/youtube)

### LinkedIn

- LinkedIn page  
[www.eurachem.org/linkedin](http://www.eurachem.org/linkedin)





# Eurachem

A Focus for Analytical Chemistry in Europe

## Eurachem blog, e-News and Newsletter

### Eurachem Blog

Topical articles on a range of topics.

#### How chemical measurement supports the global food system

Published: Thursday, 18 May 2023 17:37



The theme for World Metrology Day 2023 is **"Measurements supporting the global food system"**. Here, we take a look at some of the many ways in which chemical measurement supports the food chain, including

- > Food safety and Quality.
- > Nutritional Analysis.
- > Food Authentication and Traceability.
- > Process Monitoring.
- > Shelf-Life Determination.
- > Allergen Detection.
- > Climate and environment monitoring.

Spring 2023

[View online version](#)



# Eurachem

A Focus for Analytical Chemistry in Europe

### Eurachem news, Spring 2023

Eurachem e-News provides news updates and information on forthcoming events, new Eurachem guidance and other Eurachem initiatives. We hope you find it useful.

#### Event news

#### Eurachem Workshop - Ensuring reliable and accurate analytical processes



### Eurachem e-News

For email updates about Eurachem, you can subscribe to our mailing list.

[Subscribe to our News mailing list](#)



## Eurachem

A focus for analytical chemistry in Europe

## NEWS

SPRING 2023 | ISSUE 40



#### Words from the Chair

Isabelle Vercruysse

It is a great honour for me to have been elected as Eurachem Chair for the next two years and to work closely together with all members and liaisons to further strengthen the mission of Eurachem.

The past two years, everyone was affected by the Coronavirus pandemic. Despite this, the Eurachem community continued to actively navigate its path and quickly adapted from in-person meetings to online meetings.

This is the result of the expertise and drive of the motivated Eurachem members who are ready on a day-to-day basis to continue supporting

#### IN THIS ISSUE

|                           |    |
|---------------------------|----|
| Words from the Chair      | 1  |
| Eurachem General Assembly | 2  |
| Events                    | 3  |
| Guides and leaflets       | 5  |
| News                      | 6  |
| In Focus                  | 11 |
| Working Group Reports     | 12 |
| National Reports          | 18 |



# Eurachem

A Focus for Analytical Chemistry in Europe

## Eurachem is people



General Assembly, May 2023, Bern, Switzerland



General Assembly, May 2024, Vilnius, Lithuania