

## AGGIORNAMENTI SU ATTIVITÀ DI ORGANISMI INTERNAZIONALI

Emanuela Gregori – Francesca Rolle

XI WORKSHOP "LABORATORI NAZIONALI DI RIFERIMENTO PER I METALLI E I COMPOSTI AZOTATI NEGLI ALIMENTI E NEI MANGIMI, PER GLI ADDITIVI NEI MANGIMI, PER I CONTAMINANTI DA PROCESSO

24 maggio 2022

## EURACHEM..... cosa è? chi è?

- Una rete di organizzazioni in Europa che condividono l'obiettivo di:
  - realizzare un sistema per la riferibilità internazionale in chimica
  - promuovere la qualità e diffondere buone pratiche per le misurazioni analitiche.
- Un forum per:
  - la discussione di problematiche comuni
  - lo sviluppo di un approccio informato e alle questioni tecniche rilevanti nella definizione di politiche comuni, focalizzato sugli aspetti di qualità nelle misurazioni analitiche in Europa

## EURACHEM..... cosa fa?

- Gruppi di lavoro
  - Linee guida
  - Fogli informativi
  - Workshop
- Attività nazionali
  - esperti nei gruppi di lavoro
  - diffusione di linee guida e fogli informativi
  - workshop / corsi di formazione
  - reti nazionali di laboratori

### GUIDE

- 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)



### FOGLI INFORMATIVI

- What is the Uncertainty Factor? (2021)
- Use of uncertainty information in compliance assessment (2021)
- The importance of method validation (2021)
- Do you speak proficiency testing? (to be released in 2022)

## READING LIST aggiornata a febbraio 2022

### Contents

Introduction and scope .....	
Introduction to metrology and terminology .....	
Traceability of measurement results .....	
Uncertainty of measurement .....	
Statistics .....	
Validation of analytical methods .....	
Reference materials .....	
Proficiency testing .....	
Internal quality control .....	
Quality assurance and accreditation .....	



### Reference materials

#### Websites and web resources

- COMAR international database for certified reference materials ([www.comar.bam.de/en/](http://www.comar.bam.de/en/))

#### Standards

- ISO Guide 30:2015. Reference materials – Selected terms and definitions ([www.iso.org](http://www.iso.org))
- ISO Guide 31:2015. Reference materials – Contents of certificates and labels ([www.iso.org](http://www.iso.org))
- ISO Guide 33:2015. Reference materials – Good practice in using reference materials ([www.iso.org](http://www.iso.org))
- ISO 17034:2016. General requirements for the competence of reference material producers ([www.iso.org](http://www.iso.org))
- ISO Guide 35:2017. Reference materials – Guidance for characterization and assessment of homogeneity and stability ([www.iso.org](http://www.iso.org))
- ISO Guide 80:2014. Guidance for the in-house preparation of quality control materials (QCMs) ([www.iso.org](http://www.iso.org))
- ISO/TR 79:2015. Reference materials – Examples of reference materials for qualitative properties ([www.iso.org](http://www.iso.org))
- ISO/TR 10989:2009. Reference materials – Guidance on, and keywords used for, RM categorization ([www.iso.org](http://www.iso.org))
- ISO 11095:1996. Linear calibration using reference materials ([www.iso.org](http://www.iso.org))
- ISO 15194:2009. In vitro diagnostic medical devices – Measurement of quantities in samples of biological origin – Requirements for certified reference materials and the content of supporting documentation ([www.iso.org](http://www.iso.org))

#### Guides

- The Selection and use of Reference Materials, EEE/RM/062rev3, Eurachem, 2002 ([www.eurachem.org/index.php/publications/guides](http://www.eurachem.org/index.php/publications/guides))

#### Books

- M. Stoeppler, W.R. Wolf, P.J. Jenks (eds.), Reference materials for chemical analysis – certification, availability and proper usage, Wiley-VCH, 2001, ISBN 3-527-30162-3
- A. Zschunke (ed.), Reference materials in analytical chemistry – a guide for selection and use, Springer, 2000, ISBN 3-540-66776-8

#### Leaflets

- AMC Technical Briefs, RSC, ([www.rsc.org/Membership/Networking/InterestGroups/Analytical/AMC/TechnicalBriefs.asp](http://www.rsc.org/Membership/Networking/InterestGroups/Analytical/AMC/TechnicalBriefs.asp)):
  - AMC TB 17A-2008, Test for 'sufficient homogeneity' in a reference material

READING LIST: <https://www.eurachem.org/index.php/publications/mnu-rdlst>

## NOVITÀ FUTURE (I)



### Guide in preparazione:

- Evaluation on measurement uncertainty from in-house precision and trueness tests

### Guide oggetto di revisione:

- Quality Assurance for R&D and Non-routine Analysis (1998)
- The Selection and Use of Reference Materials (2002)
- Terminology in Analytical Measurement: Introduction to VIM 3 (2011)
- Terminology in Analytical Measurement (2011) – *final stage*
- Accreditation for Microbiological Laboratories (2013)
- The Fitness for Purpose of Analytical Methods: A Laboratory Guide to Method Validation and Related Topics: Second edition (2014)
- Guide to Quality in Analytical Chemistry: An aid to accreditation (2016)

## NOVITÀ FUTURE (II)

### Traduzione italiana prossima alla pubblicazione:

- Guida “Measurement uncertainty arising from sampling”, 2<sup>nd</sup> edition (2019) con gruppo di lavoro ISS, ISPRA, INRIM e Accredia

### Traduzioni in italiano in corso di pubblicazione:

- Supplemento “Pianificazione e sintesi dello studio di validazione di un metodo”
- Supplemento “Uso dei bianchi campione nella validazione dei metodi”
- Guida “Selezione, uso e interpretazione delle prove valutative da parte dei laboratori”



## NOVITÀ FUTURE (III)



### Nuovi gruppi di lavoro:

**Task Group on Validation of Sampling Procedures** (Method Validation Working Group and Uncertainty from Sampling Working Group)

### Possibili collaborazioni:

- **Guida sulla validazione dei metodi qualitative** (Method Validation Working Group and Qualitative analysis Working Group)
- **Estensione della verifica/validazione dei metodi** (Method Validation Working Group and Educational and training Working Group)

## EVENTI PASSATI

*Assessment of Performance and Uncertainty in Qualitative Chemical Analysis - Joint Eurachem/CITAC Online Workshop, **19-27 January 2022***

*Quality Assurance Challenges of Measurements from Field to Laboratory with a Focus on ISO/IEC 17025:2017 Requirements – Online Workshop, **16-18 May 2022***



## EVENTI FUTURI



**Eurachem/CITAC workshop**  
**Measurement uncertainty evaluation**  
**Based on in-house validation data**  
25-26 October 2022  
Online event

**Organizzato dal MUT WG**

**Programme to be announced soon....**

**10<sup>th</sup> International Eurachem Workshop on**  
**Proficiency Testing in Analytical**  
**Chemistry, Microbiology and Laboratory**  
**Medicine**

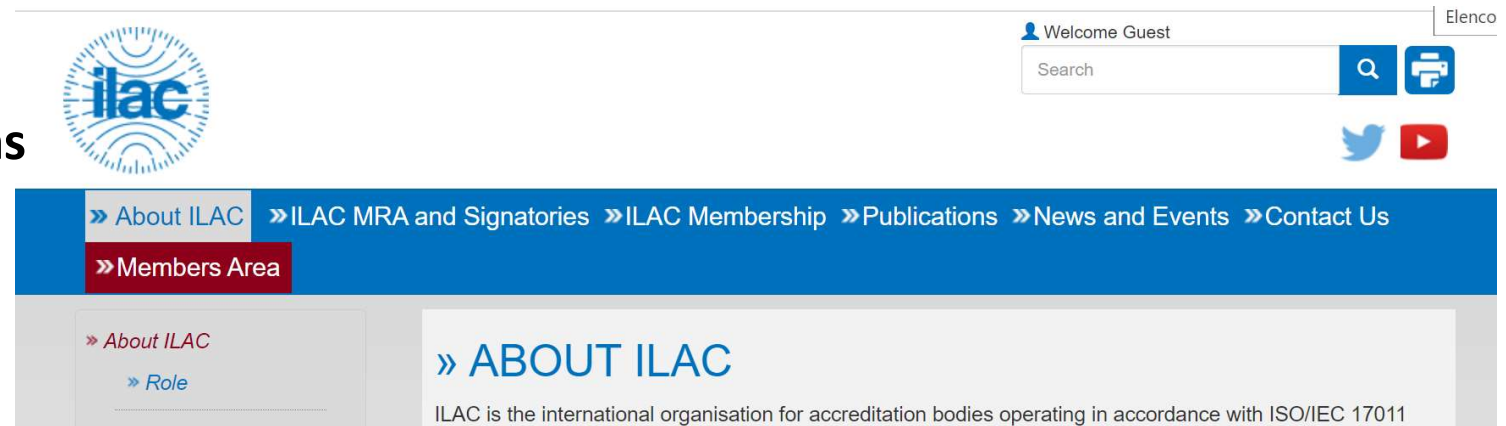
Organized by EURACHEM - CITAC – EQALM  
Location: Windsor, UK,  
~~27-30 Sep 2022~~ rescheduled to  
**25-28 September 2023**

<https://eurachem-pt2023.org/>

# DOCUMENTI ILAC REVISIONATI E IN REVISIONE

- ILAC G18:12/2021 Guideline for the Formulation of Scopes of Accreditation for Laboratories – *revisionata e pubblicata a dicembre 2021*
- ILAC G7:04/2021 Accreditation Requirements and Operating Criteria for Horseracing Laboratories – *revisionata e pubblicata ad aprile 2021*
- ILAC G17:01/2021 ILAC Guidelines for Measurement Uncertainty in Testing - *revisionata e pubblicata a gennaio 2021*
- [ILAC G24:2007 Guidelines for the determination of calibration intervals of measuring instruments – in revisione](#)

<https://ilac.org/publications-and-resources/ilac-guidance-series/>



The screenshot shows the ILAC website interface. At the top left is the ILAC logo. To the right, there is a user greeting 'Welcome Guest' and a search bar. Below the search bar are social media icons for Twitter and YouTube. A blue navigation bar contains the following links: » About ILAC, » ILAC MRA and Signatories, » ILAC Membership, » Publications, » News and Events, » Contact Us. A red button labeled » Members Area is also present. Below the navigation bar, there is a section titled » ABOUT ILAC with a sub-link » Role. At the bottom of this section, it states: 'ILAC is the international organisation for accreditation bodies operating in accordance with ISO/IEC 17011'.



# DOCUMENTI EA REVISIONATI E NUOVI

<https://european-accreditation.org/information-center/ea-publications/>



## DOCUMENTI REVISIONATI

- EA-4/02 :n Expression of the uncertainty of measurement in calibration (Published on 15th November 2021)
- EA-2/02: EA Procedure for the evaluation of a National Accreditation Body (Published on 17th February 2022)
- EA-4/17 M: Description of scopes of accreditation for medical laboratories (Published on 17th February 2022)
- EA-INF/01: List of EA publications and International documents (Published on 17th February 2022)
- EA-INF/03: Signatories to the EA Multilateral and Bilateral Agreements (Published on 7th February 2022)
- EA-6/02 M: List of EA publications and International documents (Published on 10th January 2022)
- EA-1/20: Signatories to the EA Multilateral and Bilateral Agreements (Published on 3rd January 2022)
- EA-1/20 S1 A-AB: Signatories to the EA Multilateral and Bilateral Agreements (Published on 3rd January 2022)

## NUOVI DOCUMENTI

- EA-2/02 S1 M: Procedure for remote peer evaluations during the COVID-19 pandemic (Published on 17th February 2022)
- EA-2/02 S2 M: Circumstances and process of involving EA Technical Committees in peer evaluation issues (Published on 17th February 2022)
- EA-2/02 S4 G: Procedure for remote peer evaluations during the COVID-19 pandemic (Published on 17th February 2022)



[www.iss.it/sicurezza-alimentare-nutrizione-e-sanità-pubblica-veterinaria](http://www.iss.it/sicurezza-alimentare-nutrizione-e-sanità-pubblica-veterinaria)



# 41<sup>st</sup> Codex Committee on Methods of Analysis and Sampling (CCMAS41) Virtual meeting, 17-21 and 25 May 2021

- Guidelines on Measurement Uncertainty, CXG 54 – revisionata e approvata nel 2021
- General Guidelines on Sampling, CX GL50 – **in revisione**

<https://www.fao.org/fao-who-codexalimentarius/codex-texts/guidelines/en/>

**CCMAS42 meeting will  
be in June 2023**

The screenshot shows the Codex Alimentarius website interface. At the top, there is a navigation bar with the text 'CODEX ALIMENTARIUS INTERNATIONAL FOOD STANDARDS' and a search bar. Below this, there are logos for the Food and Agriculture Organization of the United Nations and the World Health Organization. A banner for 'support World Food Safety Day 2021' is visible. The main navigation menu includes links for 'Home', 'About Codex', 'Codex Texts', 'Themes', 'Committees', 'Meetings', 'Resources', 'Publications', 'News and Events', and 'Login'. Below the navigation menu, there is a breadcrumb trail: 'codexalimentarius > Committees > Committee'. On the right side, there is a sidebar with three links: 'About', 'Related Meetings', and 'Related Standards'.



[www.iss.it/sicurezza-alimentare-nutrizione-e-sanità-pubblica-veterinaria](http://www.iss.it/sicurezza-alimentare-nutrizione-e-sanità-pubblica-veterinaria)





**TENIAMOCI IN CONTATTO!**

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

Twitter: @EurachemEurope

YouTube: Search for Eurachem

Mailing list: <https://www.eurachem.org/subscribe>

**Eurachem Italia:** <https://www.iss.it/eurachem-chi-siamo>

**Email:** [eurachem.italia@iss.it](mailto:eurachem.italia@iss.it)



[www.iss.it/sicurezza-alimentare-nutrizione-e-sanità-pubblica-veterinaria](http://www.iss.it/sicurezza-alimentare-nutrizione-e-sanità-pubblica-veterinaria)

GRAZIE

**INRiM**  
ISTITUTO NAZIONALE  
DI RICERCA METROLOGICA



DIPARTIMENTO  
**SICUREZZA ALIMENTARE, NUTRIZIONE  
E SANITÀ PUBBLICA VETERINARIA**

