

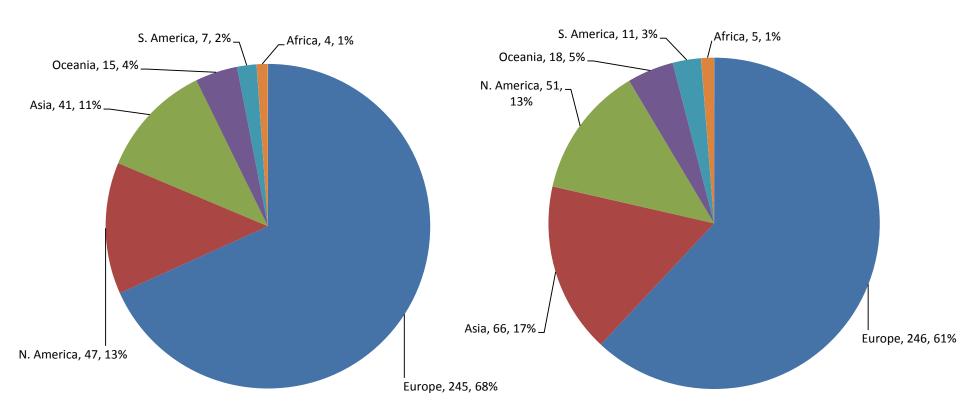
QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

Exec Chair's Update

George Ruijter
Athens
September 4th, 2018

ERNDIM: Participants





2013: Number of participants = 359

• Number of participating countries = 58

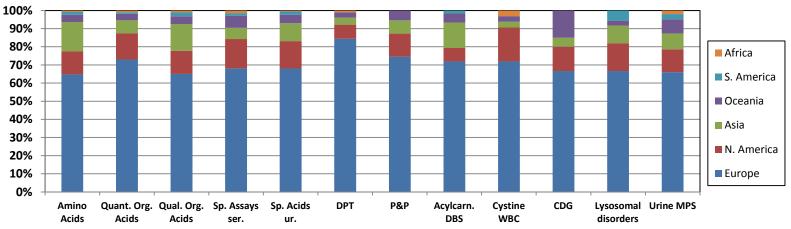
2018: Number of participants = 401 (12% ↑ on 2013)

Number of participating countries = 60

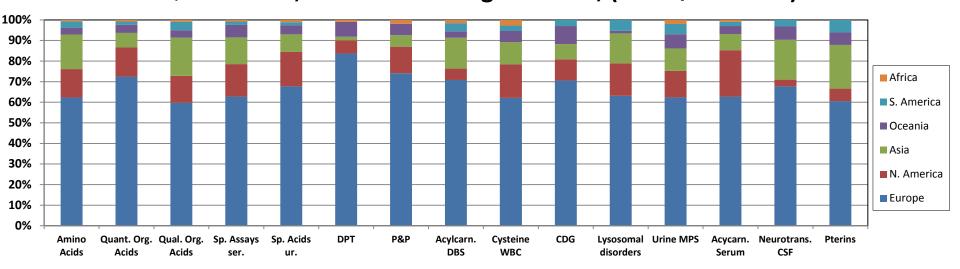
ERNDIM: EQA Schemes



2013: 12 QA schemes, 1479 scheme registrations



2018: 15 QA schemes, 1788 scheme registrations, (21% 个 on 2013)



ERNDIM: EQA Schemes



Pilot schemes

Pilot schemes running in 2018

- **1. Cognitive Amino Acids**, lead organiser is Prof Brian Fowler (Basel/Zurich, Switzerland)
- 2. Special Assays in dried blood spots, lead organiser is Prof Jim Bonham (Sheffield, UK)

Participation in these schemes is limited but if you would like to be contacted if participation can be widened please email admin@erndim.org

ERNDIM: Changes to EQA calendar_

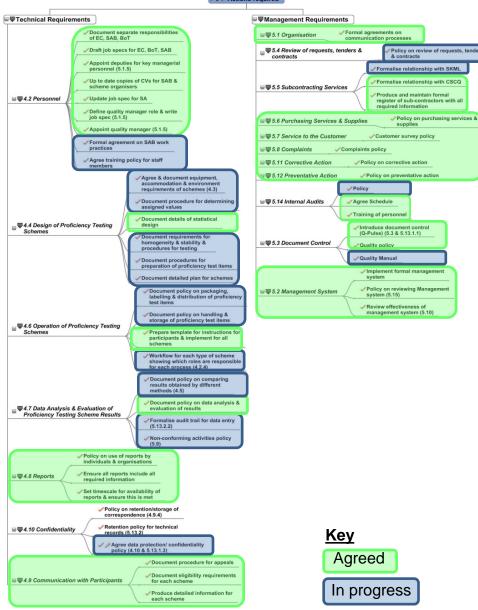


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In the past annual reports and certificates of participation have been published very late (July/August)

			SCHEME YEAR -1		SCHEME YEA	R											SCHEME	YEAR +1	
	Responsible	Task	up to november	december	january	februan	march	april	may	june	july	august	september	october	novembe	r december	january	february	march
SCHEME YEAR -1	Office	Schemes registration																	
	SA	Select and test samples																	
	SA	Prepare samples																	
	SA	Ship samples to CSCQ/MCA by courier, deadline dec 15																	
		Send sample information to CSCQ by email (use template), deadline dec 15																	
	CSCQ/MCA	Prepare sample aliquots																	
	CSCQ/MCA	Ship 1 set of samples to SA for testing, deadline jan 15																	
		Prepare letter that will be dispatched with samples and send to CSCQ by email																	
	SA	Test samples																	
	Office	Send lists of participants to SA and CSCQ, deadline jan																	
	CSCQ/MCA	Ship samples with dispatch letter to each participant, 1st week of feb																	
		2/3 surveys, dates to be decided for: website availability, scoring, interim reports																	
	SA	2nd evaluation DPT schemes																	
	SA	PP &CE discussion (meeting)																	
	SAB	SAB meeting to decide final scores and critical errors, last week of nov																	
	SA	Prepare and distribute annual reports, deadline dec31																	
SCHEME YEAR +1		Send performance support/non submission letters, deadline feb 28																	
	Office/MCA	Prepare and distribute certificates, deadline march 31																	

ERNDIM: Path to accreditation





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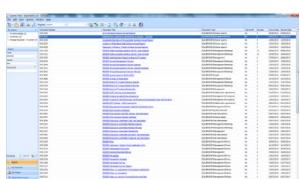
- **ISO/IEC 17043** specifies the standards to be met for all aspects of a proficiency testing scheme and the management of the proficiency testing provider
- Current estimate for meeting these requirements is **2019**
- Management requirements were prioritised but now working on the Technical Requirements

ERNDIM: Path to accreditation



Progress so far:

- Implementation of formal document control using Q-Pulse software
- Formal management system implemented and reviewed annually
- Documentation of existing and new ERNDIM policies and procedures is in progress



- Formal Internal audits have begun and an Audit calendar has been scheduled produced
- Formalisation of relationships with **sub-contractors** (SKML, CSCQ, Black Cat Websites)
- Moving qualitative schemes to centralised sample dispatch and online results submission is in progress......

	DPT	Urine MPS	CDG	Qualitative Organic Acids	Acylcarnitines
Centralised sample dispatch	✓	✓	✓	✓	✓
Online results submission	✓	✓	Late 2018	✓	√

ERNDIM: Administration Office



- Staff: Sara Gardner (Executive Administrator, full time)
 Jenny Barrett (Scientific Administrator, full time)
 Alice Brockway (Administration Assistant, 0.5 x full time) leaving in Sept 2018 to start a PhD!
 Katie Sheils (SSIEM Events Co-ordinator, 0.2 x full time)
- Responsible for EQA scheme administration & administration for annual SSIEM Academy
- Central to the day to day running of ERNDIM
- In 2017, as recognition of the unique role ERNDIM has, SSIEM agreed to fund a full time Scientific Administrator (deputy to Sara) for 3.5 years.
 - Aims: to increase the resilience of the office, to speed up preparation for accreditation and to develop a plan for sustainably funding this post for the future
 - Jenny Barrett, recruited in August 2017, has made a significant impact on the activities of the Office
- SSIEM have also agreed to:
 - Support software development costs to allow all schemes to move to on-line results submission

Thank you SSIEM!

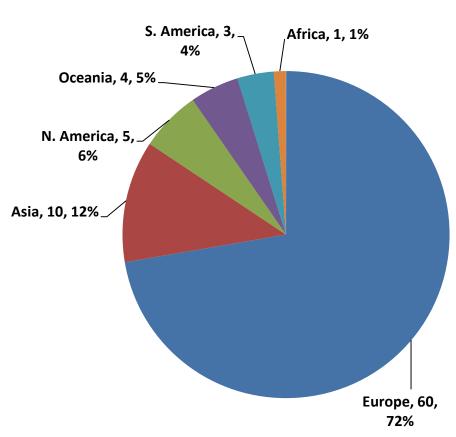
ERNDIM: SSIEM Academy



April 2018, London, UK

- Course was heavily oversubscribed (62 lab & 62 clinical applications from a total of 44 countries for 80 places)
- Accepted applications from 40 clinicians and 40 laboratory scientists from 35 countries
- Topics: Lysosomal storage disorders,
 Peroxisomal disorders and Purine and
 Pyrimidine disorders
- The programme was a mix of joint and separate clinical/laboratory lectures and workshops

Origin of 2018 Academy trainees



ERNDIM: SSIEM Academy



SSIEM Academy 2019

29th & 30th April 2019, Zurich, Switzerland



- Topics:
 - mitochondrial diseases, glycogen storage disorders, neurotransmitters and congenital disorders of glycosylation
- The provisional programme and details of the venue can be found on the SSIEM Academy page of the SSIEM website (<u>www.ssiem.org/ssiemacademy</u>)
- Course applications will open in early October 2018 on the SSIEM Academy page of the SSIEM website & will close on in mid November 2018!

ERNDIM: other activities



Materials for internal QC

- New batches of AA, OA, PuPy, AC, SA produced separate from EQA materials
- 2 levels
- Introduced in 2018-2019
- Supplied by MCA laboratory, Winterswijk, NL

Reference standard

- Organic acids
- Supplied by dr Herman ten Brink at VUMC, NL

Educational panels

- Oligosaccharide kit
- Supplied by MCA laboratory, Winterswijk, NL





QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

Thank You!