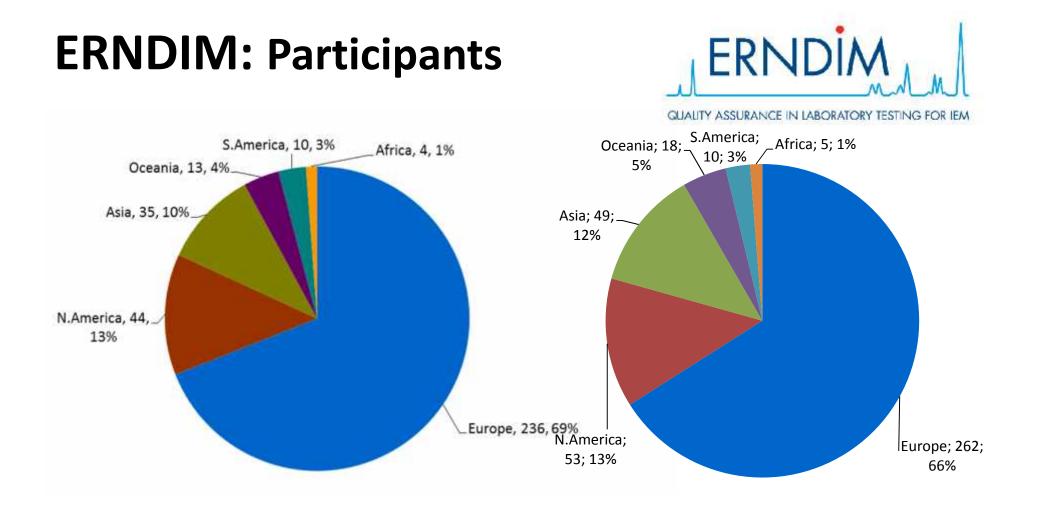


QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

Exec Chair's Update

George Ruijter Manchester November 22, 2017



2012: Number of participants = 342

• Number of participating countries = 54

2017: Number of participants = 397 (16% 个 on 2012)

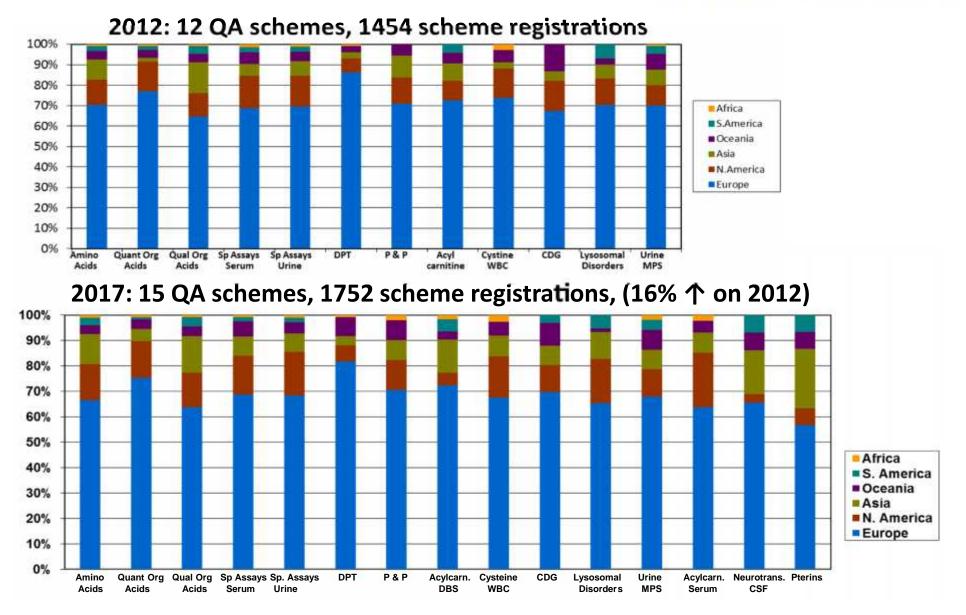
• Number of participating countries = 60

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ERNDIM: EQA Schemes



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ERNDIM: EQA Schemes



Pilot schemes

Pilot schemes running in 2017

- **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 <u>admin@erndim.org</u>

ERNDIM: EQA Schemes

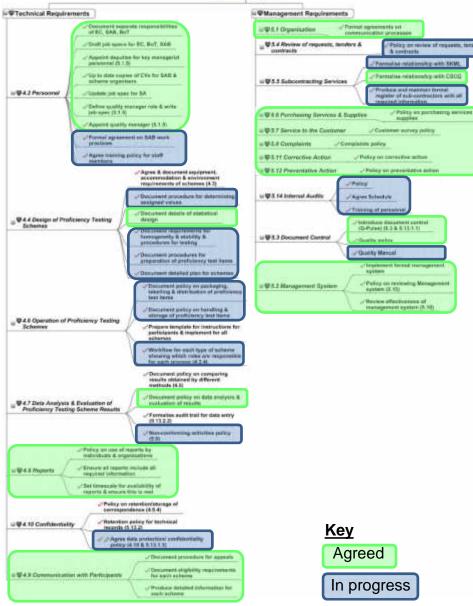


Changes to EQA calendar:

- In the past certificates of participation have been published very late
- For 2017: changes to the EQA scheme calendar → earlier publication of certificates of participation

			SCHEME YEAR -1		SCHEME	/EAR												SCHEME	YEAR +1	
	Responsible	Task	up to november	december	januar	/ feb	february n	march ar	april	may	june	july	august	september	october	november	r decembe	january	february	march
	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																		
SCHEME YEAR	CSCQ/MCA	Ship 1 set of samples to SA for testing, deadline jan 15																		
	SA	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 31																		
		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 meeting to decide final scores and critical errors, last week of nov																		
	SA	Prepare and distribute annual reports, deadline dec31																		
SCHEME YEAR +1	SA/office	Send performance support/non submission letters, deadline feb 28																		
	Office/MCA	Prepare and distribute certificates, deadline march 31																		

ERNDIM: Path to accreditation





QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

- 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 late **2018**
- Management requirements were prioritised but now working on the Technical Requirements

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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
- Audit calendar and preliminary audits in progress
- 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	~	\checkmark	✓	\checkmark	To be agreed		
Online results submission	~	\checkmark	2018	2018	2018-19		



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Stichting Klinische Genetica L

Meeting of the "expert committee" of the ERNDIM, Diepenbeek, Belgium, May 7th, 1993

REPORT

Present: C. Bachmann, J.R. Bonham, J.L. Dhondt, A.H. van Gennip, P.P. Xamoun, J.L. Willems, L.J.M. Spaapen Excuses from: Mrs. P. Divry, B. François, J.M.F. Trijbels.

 Bistorical milestones:
 December 1991 establishment of ERNDIM: BUROPEAN RESEARCH NETWORK FOR EVALUATION AND IMPROVEMENT OF SCREENING, DIAGNOSIS, AND TREATMENT OF INHERITED DISORDERS OF METABOLISM.
 January, 1992: initiative of Baudouin François for a concerted action to join the expertise in the various European

September 1992: first ERNDIM meeting at SSIEM in Leuven September 1994: formal registration of ERNDIM 2011: office established – Sara Gardner

participants. - End of 1992: collaboration of the two Biochemi Centres of twin universities of Belgian's and Limburg to work out a new proposal for BIOMED. Th project was restricted to the development and exc European Quality Assurance Program (QAP) for genetics laboratories.

- February, 1993 submission of the ERNDIM-II propos



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) Katie Sheils (Administration Assistant, 0.5 x full time)
- Responsible for EQA scheme administration & administration for annual SSIEM Academy
- Increasingly 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 allow more time to be spent on preparing to apply for accreditation and to allow ERNDIM time to develop a plan for sustainably funding this post for the future
 - Jenny Barrett was recruited to this post in August 2017
- SSIEM have also agreed to:
 - Support one-off software development costs to allow all schemes to move to on-line results submission within an agreed timetable.

Thank you SSIEM!

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ERNDIM: SSIEM Academy

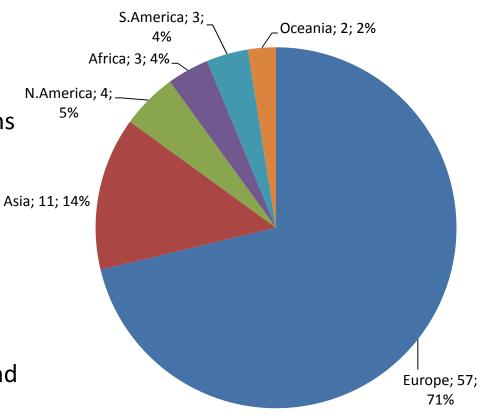
April 2017, Lyon, France

- Course was heavily oversubscribed (62 lab & 55 clinical applications from a total of 42 countries for 80 places)
- Accepted applications from 40 clinicians and 40 laboratory scientists from 37 countries
- Topics: Organic acidemias, Fatty acid oxidation defects and Cardiomyopathy
- The programme was a mix of joint and separate clinical/laboratory lectures and workshops



QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

Origin of 2017 Academy trainees



ERNDIM: SSIEM Academy



SSIEM Academy 2018

- 23rd & 24th April 2018, London, UK
- Topics:
 - Lysosomal storage disorders, peroxisomes and purines & pyrimidines
- 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 opened in October 2017 on the SSIEM Academy page of the SSIEM website & will close on 23rd November 2017!

ERNDIM - MetabERN

Potential areas for collaboration

 Awarenes of clinicians about laboratory performance and its assessment (including poor performance, PPP and global poor performance; in collaboration with QC ESHG, or e.g.uncertainty of measurement)

ERNDIM

QUALITY ASSURANCE

- Involvement of clinicians in designing new EQA schemes/review of existing schemes
- Mandating EQA participation for MetabERN Members
- Involvement of laboratory scientists in guidelines development/revision
- Provision of directory of tests for MetabERN members
- Involvement of laboratory scientists in research
- Patient organizations: sample donations

Conclusions



- Continue to provide high quality EQA and QC materials
- Provide new schemes as requested by ERNDIM users, e.g scheme in Dry Blood Spots, scheme for metabolomics
- Complete Accreditation
- Professionalize EQA scheme provision
- Continue efforts to improve IEM diagnostics by providing education
- Enlist more labs, e.g through MetabERN



QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

Thank You!