



QUALITY ASSURANCE IN LABORATORY TESTING FOR IEM

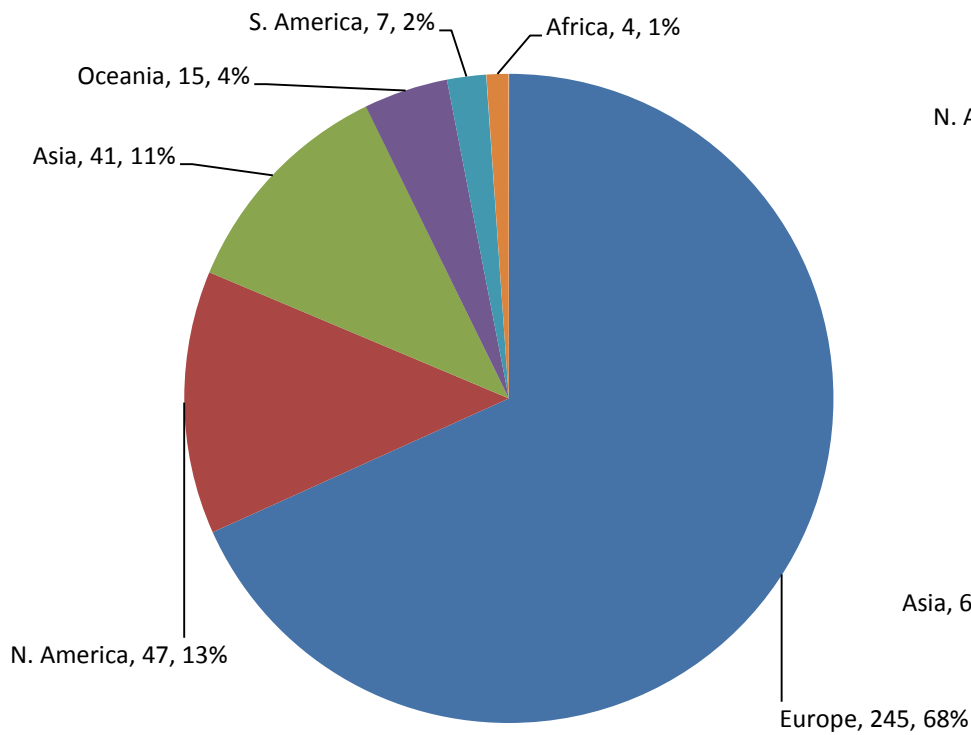
Exec Chair's Update

George Ruijter

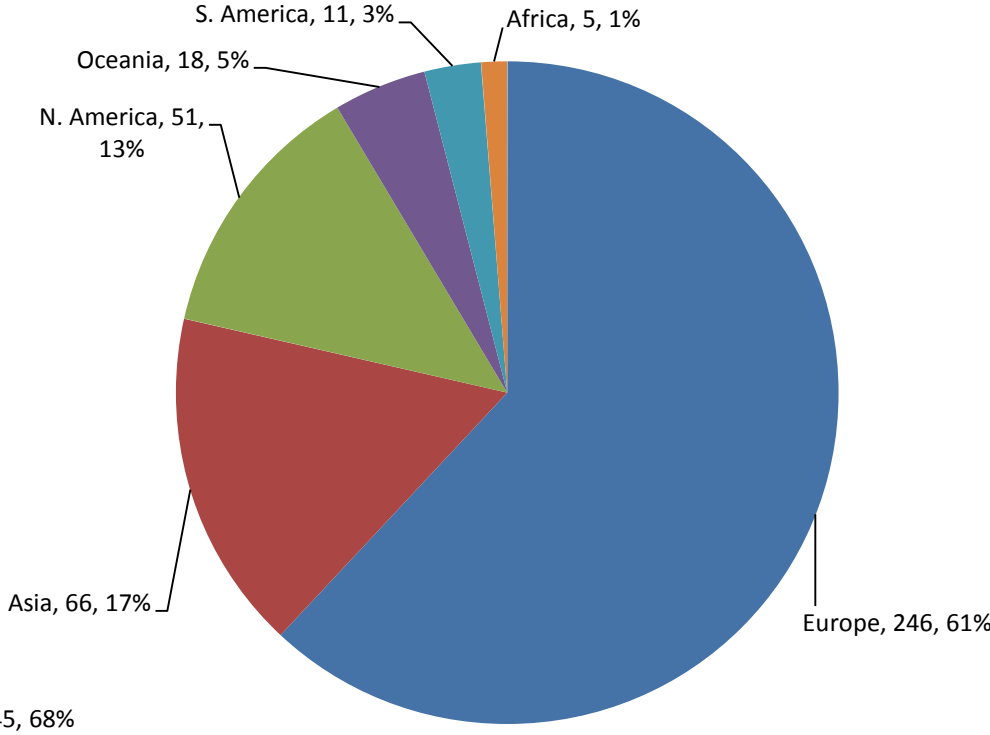
Athens

September 4th, 2018

ERNDIM: Participants



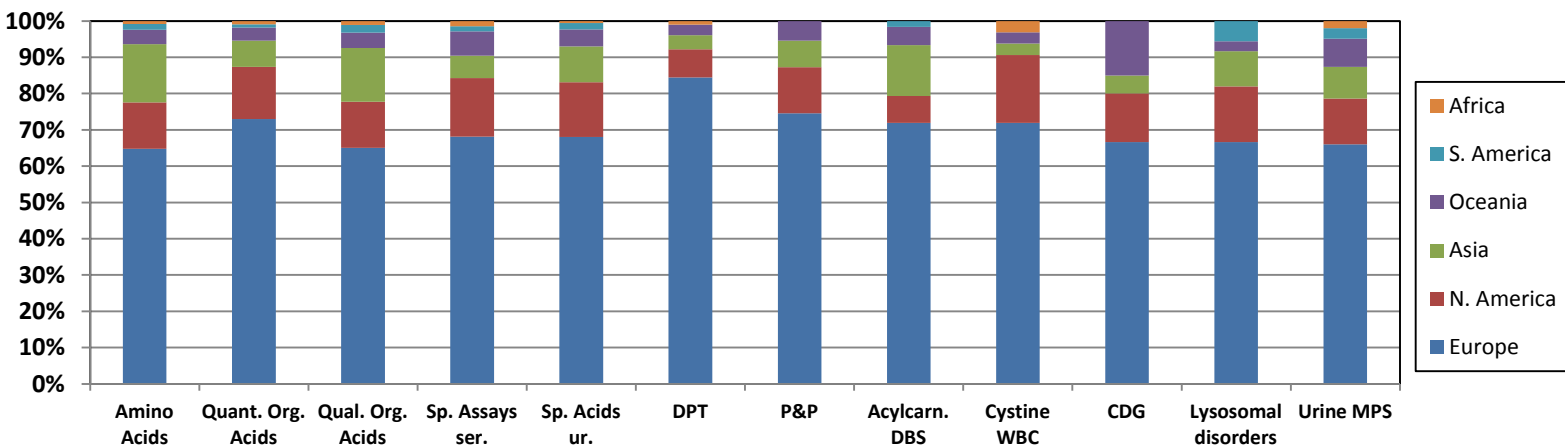
2013: Number of participants = 359
• Number of participating countries = 58



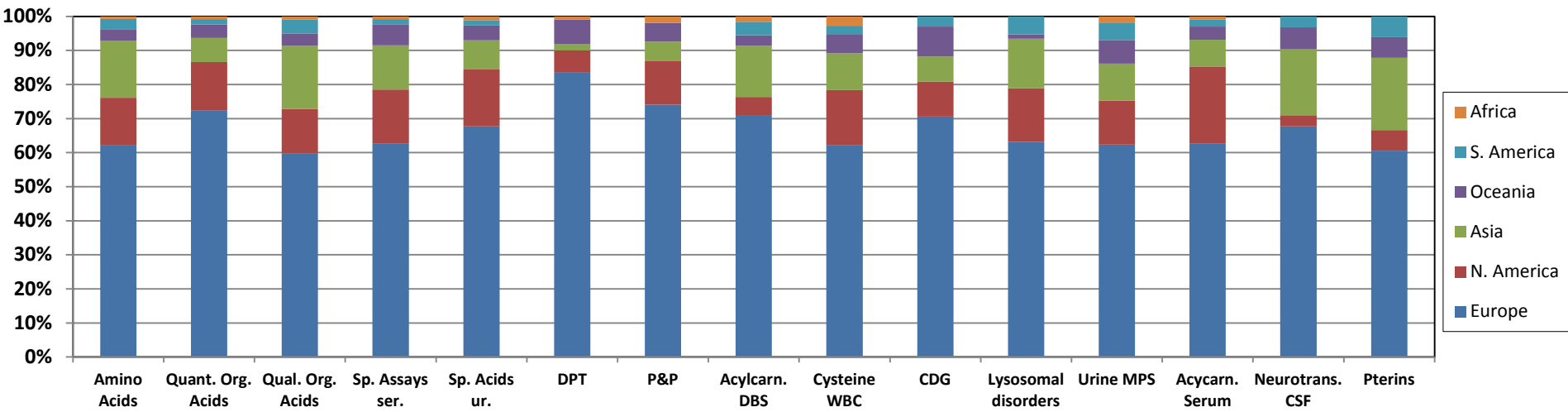
2018: Number of participants = 401
(12% ↑ on 2013)
• Number of participating countries = 60

ERNDIM: EQA Schemes

2013: 12 QA schemes, 1479 scheme registrations



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



ERNDIM: EQA Schemes



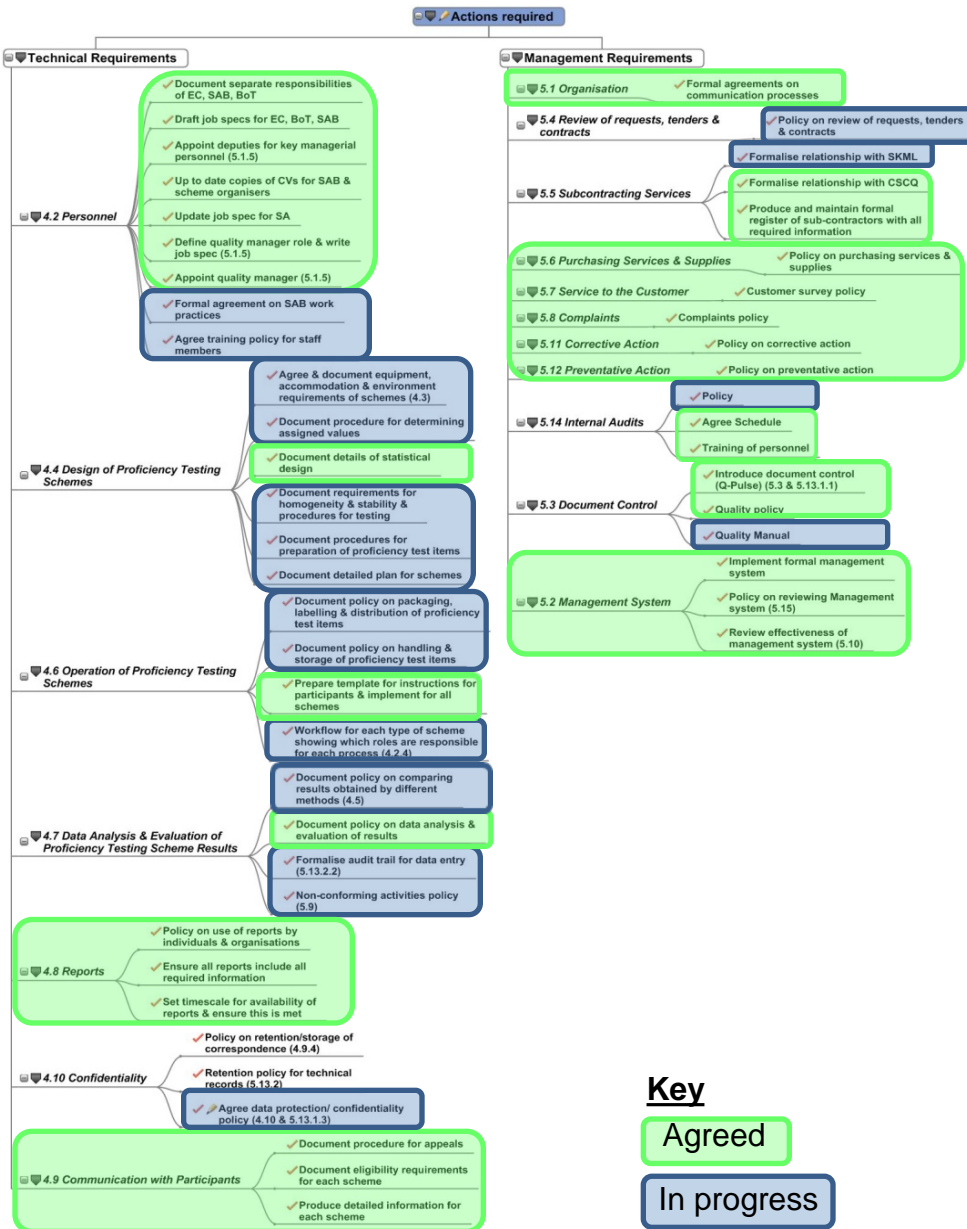
Pilot schemes

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: Path to accreditation



Key

Agreed

In progress

- **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

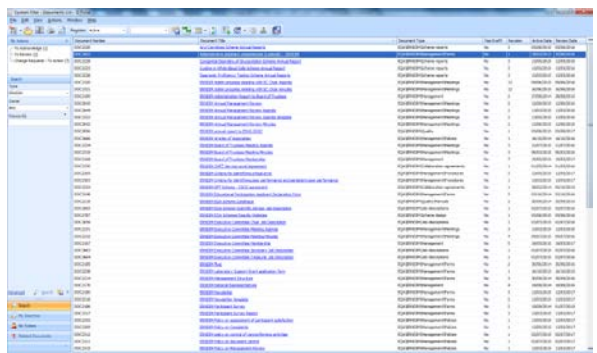
ERNDIM: Path to accreditation



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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

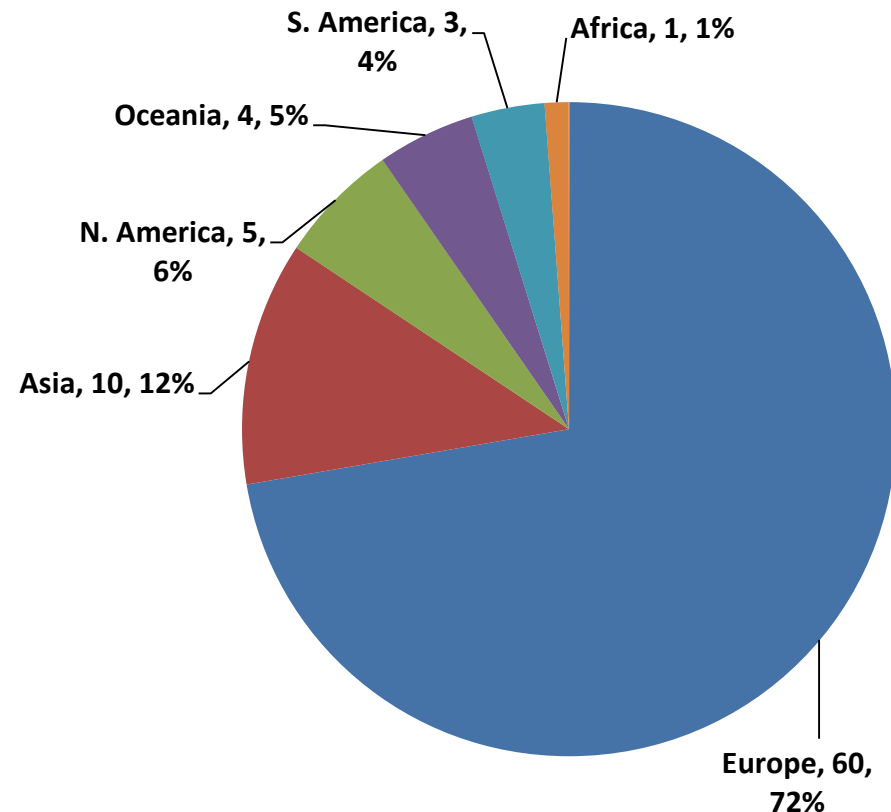
Thank you SSIEM!

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 (www.ssiem.org/ssiemacademy)
- 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





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Thank You!