

Developing Quality Competence in Medical Laboratories (DQCML)



Dr Michael Thomas

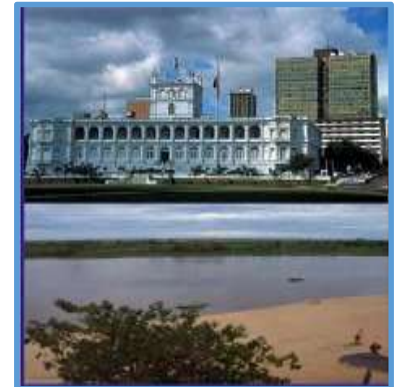


It's Origins

Asuncion, Paraguay April 2006

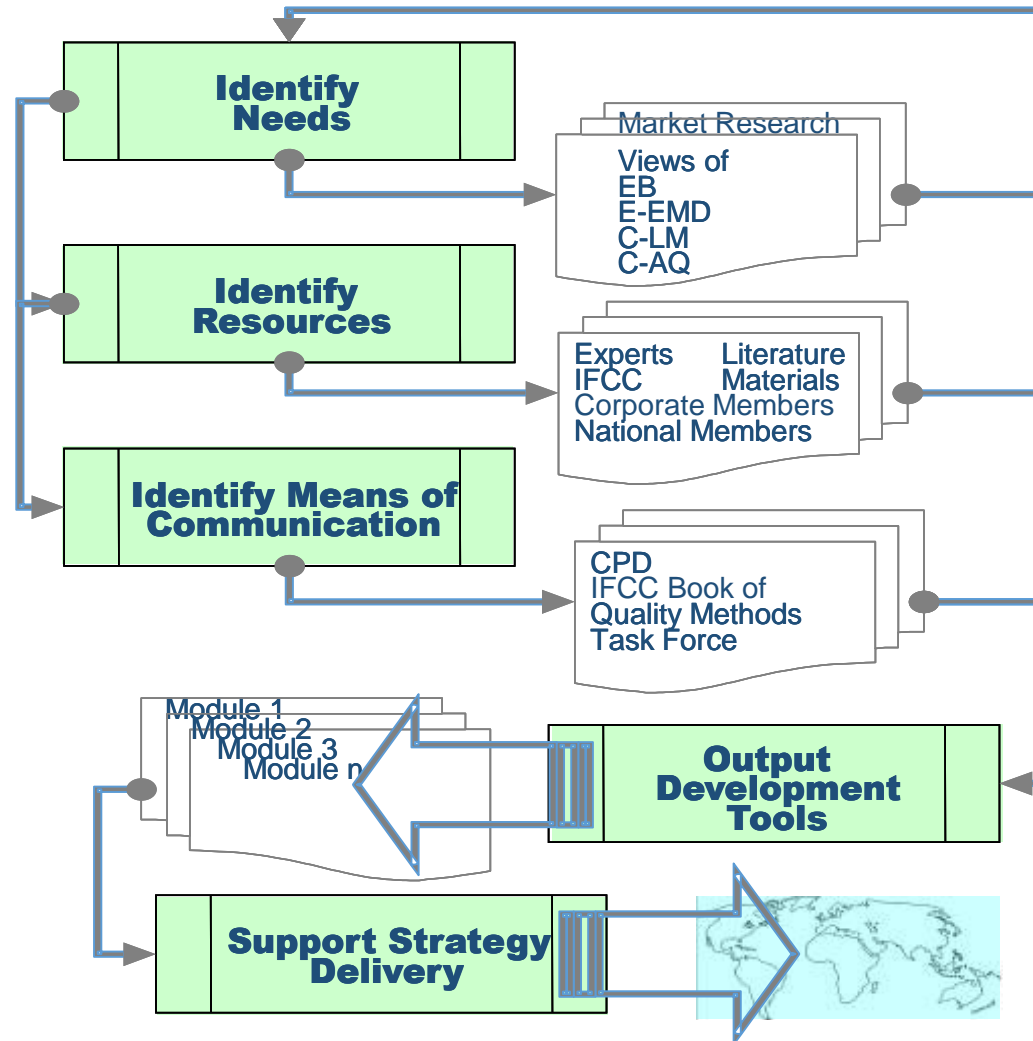
IFCC Executive Board

- Workshop led by the President
- The EB of IFCC will invite EMD to consider ways in which support for developing/emerging countries could be provided through the financial support and expertise of IFCC in order to improve accreditation and quality processes.



Template Approval

- January 2007
Discussions at EMD to develop the strategy
- March 2007
Signed off by IFCC EB



Inaugural Meeting Amsterdam , June 2007



- Template refinements
- Modular approach
- Advice on the introduction of quality control and external systems of quality assurance
- More advanced help in working towards accreditation for those countries that had a more mature understanding of quality

- Visiting Lecturer Programme



- Significantly increased funding (40,000 Euros per annum)



- Distance Learning
- Existing initiatives

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Advisory Group

- Chair EMD
- Chair C-AQ
- Chair C-CLM
- C-CLM member with expertise in accreditation
- C-AQ member with expertise in QA in developing countries
- CPD representative
- EB representative
- Representative of ISO/TC 212 and/or ISO 15189
- VLP Organiser

Strategic Aims

To develop a strategy to encourage and support developing countries

(excluding sub-Saharan Africa)

with improvements in

- Quality Control
- Quality Assurance
- and
- Accreditation



The Quality Ladder



The Quality Ladder



Improving the quality of a laboratory medicine service is an essential requirement for better patient care and clinical outcomes

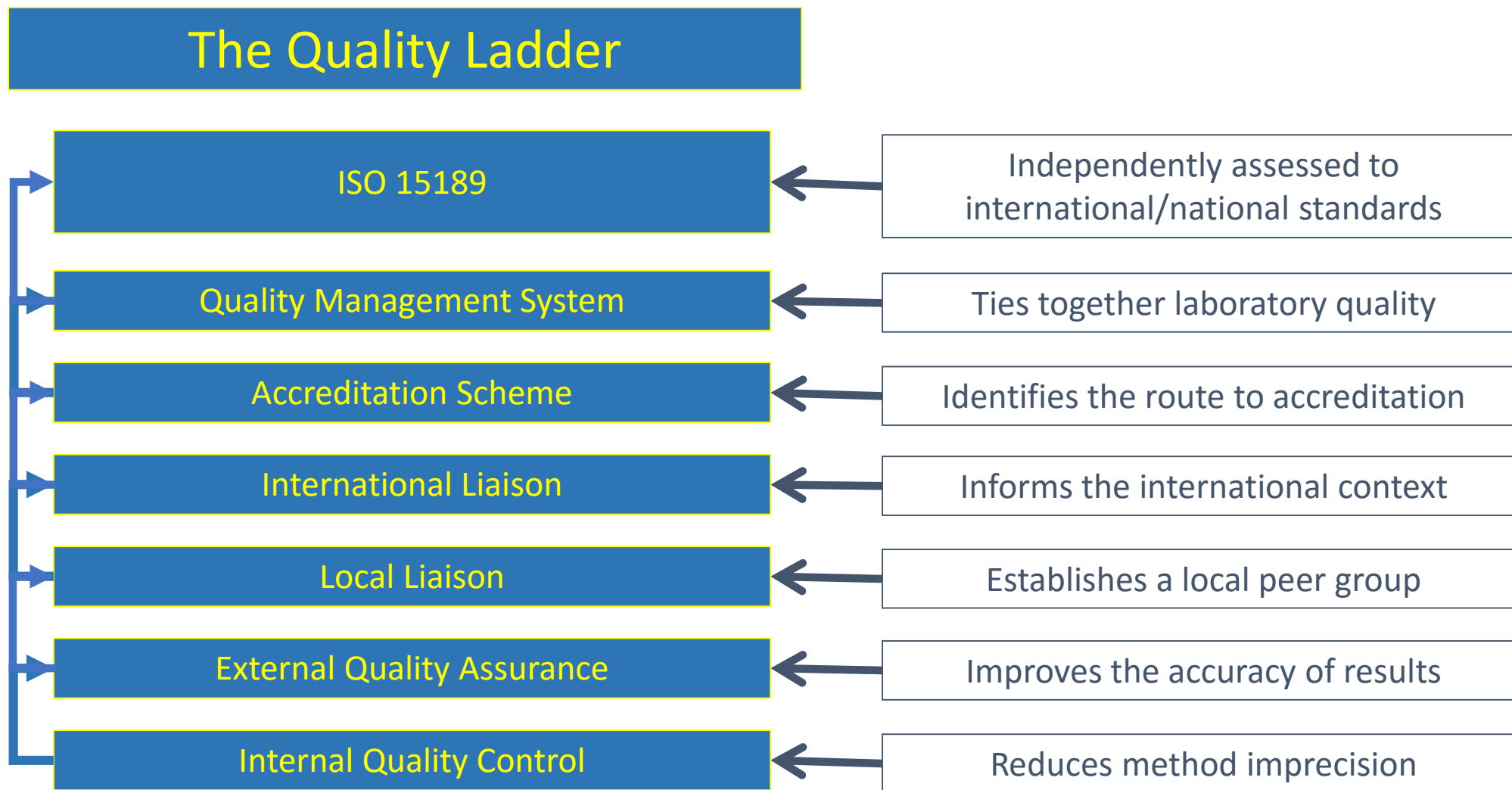
It is a daunting task that may take years to achieve

It is convenient to consider the process as a series of steps on a quality ladder

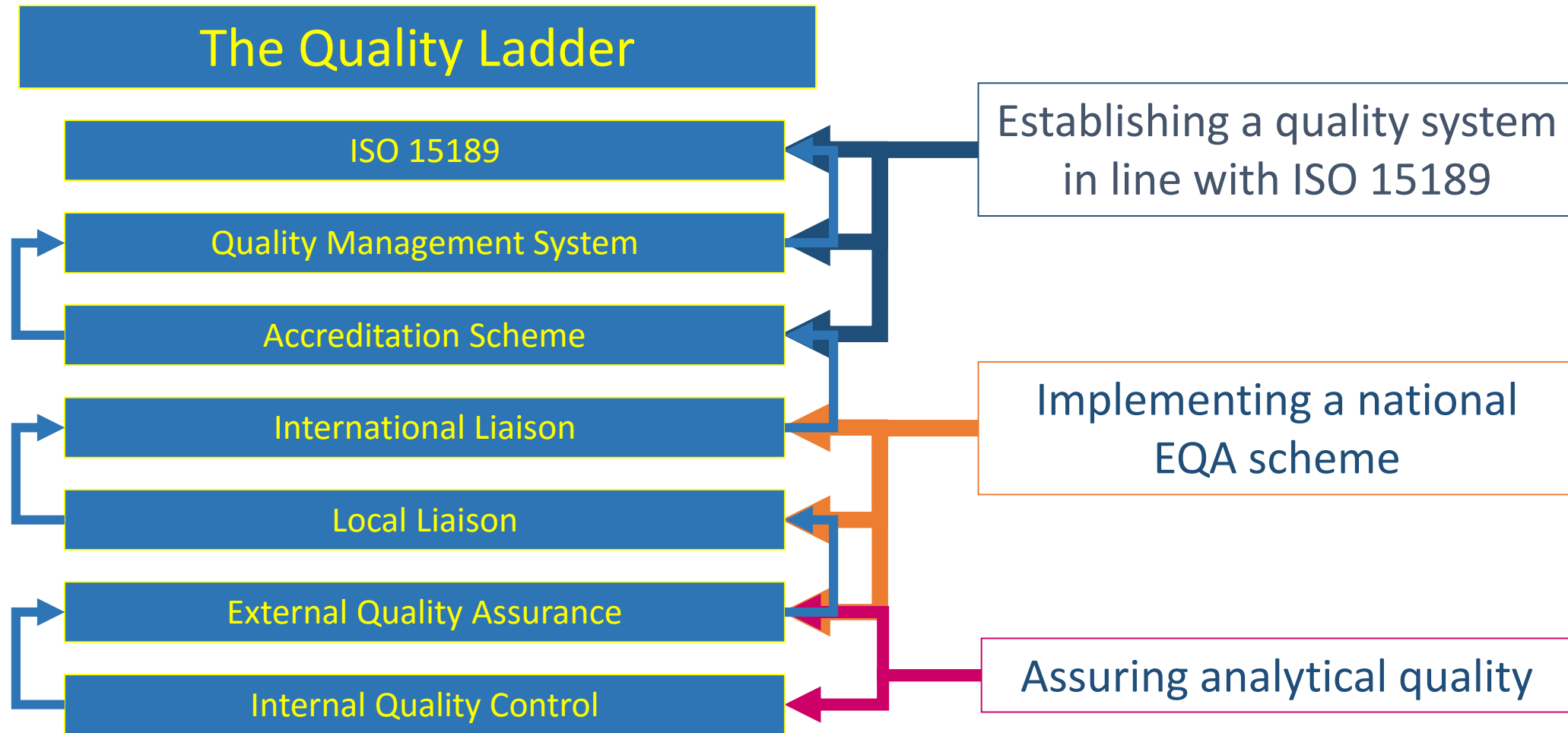
It is possible to join the quality ladder at any point



The Quality Ladder: stepping up



Finding the right strategy



Taking the first steps: working in collaboration



Analytical Quality



IFCC Workshop

30th March to 3rd April 2009

The role of accreditation in assuring analytical quality

Dr K Sikaris (Aus), Dr S Vasikaran (Aus)

- Quality Control tools
- Analytical quality control
- Post-analytical quality control
- External Quality Assurance



Taking the first steps: working in collaboration



Analytical Quality



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IQC and EQA



Supporting a series of initiatives to develop EQA in Vietnam

A VLP in QC and EQA

to address the expansion of EQA throughout the country

A personal secondment for Dr Huy to attend an EQA provider centre (Perth)

Endorsement of AACB Clinical Biochemistry Review Supplement “Analytical Quality – A Technical Checklist”



Scaling the heights: a workstream for ISO 15189



EMD Workshop

Thursday, 2nd October 2008

How to establish a quality system in line with ISO 15189

Chair: W. Huisman (The Netherlands)

Workshop Leaders: L. Berte (USA), D. Burnett (UK), E. Frank (India) H. Stekel (Austria)

- Standards and accreditation for medical laboratories
- Managing quality and competence
- Evaluation and continual improvement

with an audio/video recording supported by



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and then...



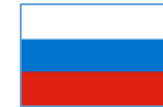
Jakarta,
Indonesia
February 2010

Workshop on ISO 15189,
traceability and uncertainty



Ho Chi Minh City
and Hanoi, Vietnam
September 2011

Quality Assurance / Quality
Control and EQA program
preparation



Moscow and St
Petersburg, Russia,
December 2013

Clinical decision making



Sfax, Tunisia,
December 2010

Quality management and
accreditation



Montevideo,
October
2011

Accreditation and Quality
Management



Sibiu, Romania,
May 2014

Laboratory errors, Clinical
governance and ISO 15189



Manila,
Philippines,
March 2011

Workshop on Quality
Assurance



Kathmandu, Nepal,
November 2011

Basic and advanced quality
control in Laboratory Medicine



Guayaquil and
Riobamba, Ecuador,
November 2014
and March 2015

IQC and EQA



Supporting DQCML: Visiting Lecturer Programme



- Supports the travel costs of expert speakers
- Preferred speakers should be named
- To contribute to conferences and workshops
- Well suited to DQCML quality ladder topics
- Hosts provide accommodation / registration
- Applications made through IFCC Member societies
- At least 4 months notice required



Supporting DQCML: Distance Learning



Distance Learning

- Identifies:
 - Suitable topics for distance learning support
 - Existing distance learning in desired areas
 - New IFCC distance learning programmes
- Makes available at no charge to users:
 - Growing library of distance learning opportunities
 - Webinars and distance learning programmes
 - Include those in the area of DQCML topics
- Liaison with C-AQ and C-CLM on specific topic requirements
- In liaison with the VLP, advising C-AQ and C-CLM on existing IFCC material suitable for distance learning programmes
- Sourcing relevant distance learning material
- Advising on and assisting with the preparation of new distance learning material
- Cataloguing distance learning material identified as valuable for the Quality Ladder, in liaison with C-leL.



Supporting DQCML: Analytical Quality

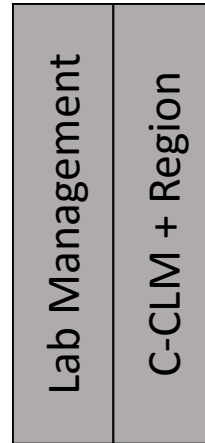


Analytical Quality	C-AQ + Nat Society
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- Provides:
 - Education and training on analytical quality
 - Symposia at conferences
 - Workshops for small groups of participants
 - Information on other learning opportunities
 - Advice on support materials
- Links with Visiting Lecturer Programme



Supporting DQCML: Laboratory Management



- Provides:
 - Education and training on analytical quality
 - Symposia at conferences
 - Workshops for small groups of participants
 - Information on other learning opportunities
 - Advice on support materials
- Links with Visiting Lecturer Programme



Supporting DQCML: Mentoring Lab Director

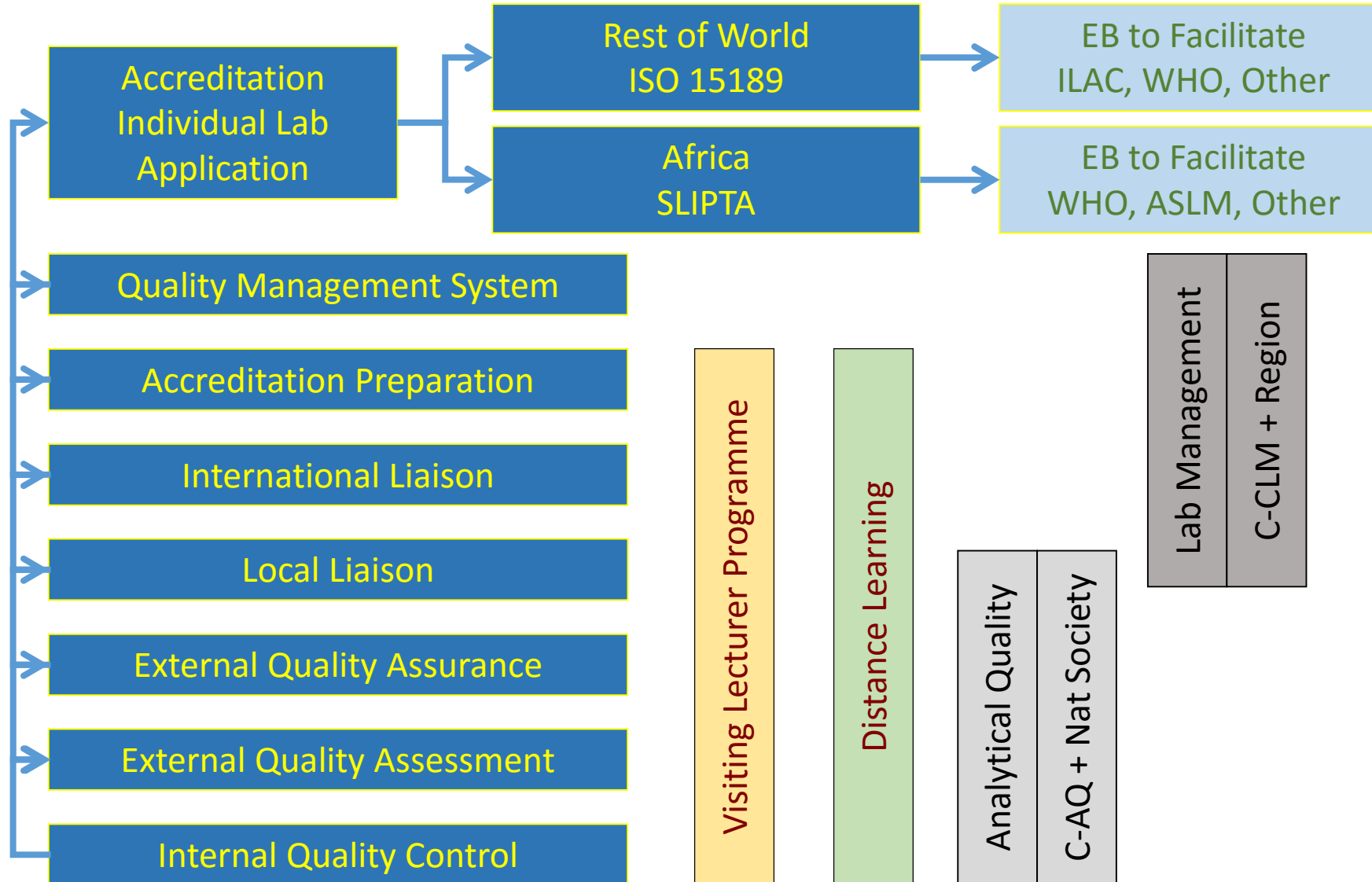


- Co-ordinated by IFCC Past President
- Identifies lab director in developing country
 - Preparing an application for lab accreditation
 - Seeking information, advice and experience
- Provides experienced mentor
 - Work on a one-to-one basis
 - May involve visit to lab director
 - May support exchange programme for lab director

Mentoring Lab Director
'One to One' Support



DQCML: Overarching and bringing it all together



and for the future...



Romania

A future workshop has been offered.



Sri Lanka

Joint VLP/DQCML initiative to support delivery of an ISO 15189 accreditation workshop



Ukraine

To review options for planned programme delivery in 2016



Nepal

Awaiting a formal follow-up request



Malawi

Scoping visit undertaken by IFCC Past President in early 2016



Zambia

Supporting the introduction of an EQA programme being delivered by Renze Bais



Education and Management Division

DEVELOPING QUALITY COMPETENCE IN MEDICAL LABORATORIES



IFCC-DQCML Project
providing resources to
support
Quality Initiatives



For any further information, please contact:
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