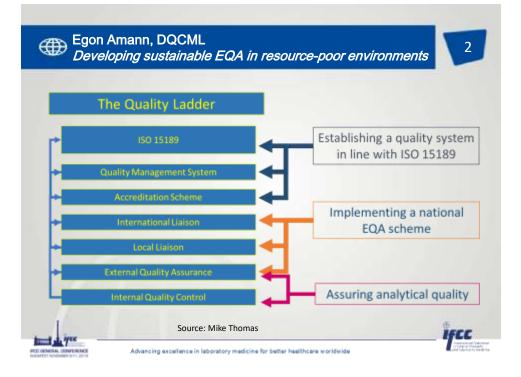
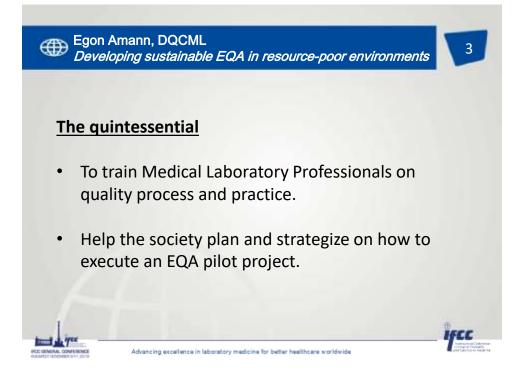
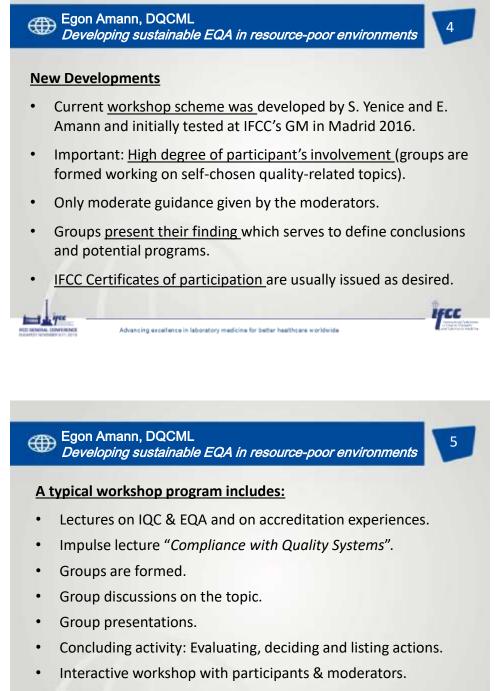


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Developing the road map to a pilot EQA project.

Developing sustainable EQA in resource-poor environments



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Workshop Modular Strategy and Schedule

Egon Amann, DQCML

PHASE	TIME (min)	ACTIVITY	Ву
1	10	Impulse Lecture	Moderator
2	10	Spontaneous group forming – 5 to 6 person per group and hand out of a questionnaire to groups	Moderator
3	20	Group Discussion. Experimenting with the ideas and finding most burning top three issues and listing those issues on flip charts	Group Members
4	20	Following group discussions, group leaders will present their outcomes for the entire participants – 3 minutes for each group	Group Leaders
	N/A	Completion and collection of the questionnaires Output of this workshop is input for the following workshop	Moderator

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Workshop topics are modified according to society-specific needs:

- "IQC building blocks of quality control"
- "Standardization of laboratory tests -Why it is needed and how to do it?"
- "How to organize a National EQA"
- "Delivering effective EQA"
- "Moving along the road to accreditation"
- "Good laboratory practice and patient safety"
- "Traceability & Uncertainty & Metrology"



Very and the second sec	COLLEGE OF MED	
	Certificate of Participation	
	Insert name	
Works	hop on 'Improving Quality in Laborator	y Medicine'
Geon Amaim	February 26 th / 28 th 2018	
Prof. Dr. Egon Amann Chair of DQCML		College of Medicine

Egon Amann, DQCML	
Developing sustainable EQA in resource-poor environments	

Requester:	 Nepal Association of Medical Laboratory Scientists (NAMLS) Nepal Association for Clinical Chemistry (NACC)
Type of Support:	 Two day workshop with 160 participants in Kathmandu; visits of 7 hospitals
Lecturers:	> E. Amann, R. Bais, A. Thomas
EQA program:	> started in October; 20 labs participate initially with 20 sets of Clinical Chemistry and 10 sets of HbA1c supplied by the RCPAQAP Pty Ltd.
Lengths:	> two years
Coordinators:	> R. Bais (AU); Binod Kumar Yadav (NP)









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Malawi, Feb. 2018

Requester:	> Malawi Association of Medical Laboratory Scientists (MAMLS)
Type of Support:	> Two one day workshop with 54 participants in Blantyre & Lilongwe; visits of 5 hospitals
Lecturers:	> E. Amann, G. Beastall, A. Thomas
EQA program:	> Pending. G. Beastall in contact with the Scottish Government to financially support an EQA program; Randox (?)
Lengths:	> open
Coordinators:	> G. Beastall (GB), Wakisa Kipandula (MW)
11 11	









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Egon Amann, DQCML 11 Developing sustainable EQA in resource-poor environments Nigeria, Oct. 2016

Requester:	> Association of Clinical Chemistry of Nigeria (ACCN)
Type of Support:	> Lectures & Workshop at the 7th Biennial ACCN Scientific Conference
Lecturers:	> E. Amann, G. Beastall, C. Sturgeon , A. Thomas; M. Ferrari
EQA program:	Pending. A request for further DQCML support as the National Member moves forward with its plans to improve the quality of laboratory services in Nigeria is expected.
Lengths:	> Open
Coordinators:	> G. Beastall (UK), A. Okesina (NG), M. Charles-Davies (NG)
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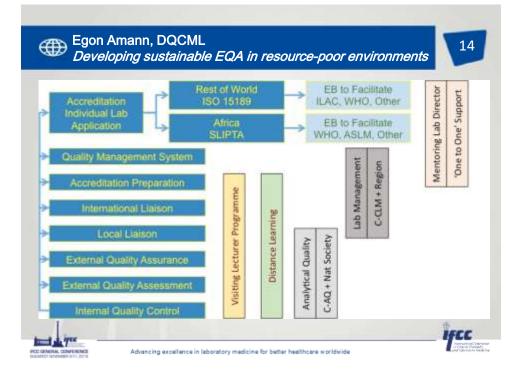


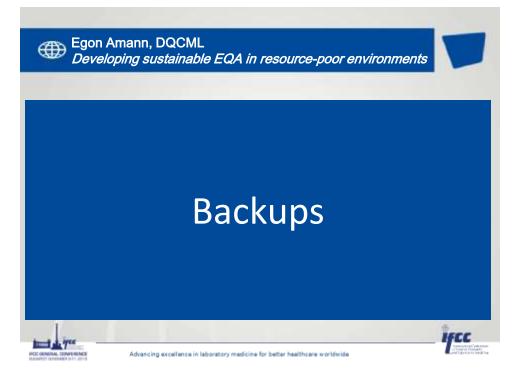
IFCC

International Vehrom

Zambia, 2015 **Requester:** > Biomedical Society of Zambia (BSZ) Type of Support: > Provision of EQA materials by Randox (1st phase) and the Australian Quality Assurance Program (2nd phase) with f financial support from IFCC > J. Hicks, V. Steenkamp, H. Lumano, (besides others) Initiators: > 1st phase in 2015 involving 12 labs > 2nd phase in 2016 involving 26 labs EQA program: Lengths: > ongoing Coordinators: > R. Bais (AU), H. Lumano (ZM), Mrs. Lucky Kalyapu (ZM) IFCC Advancing excellence in laboratory medicine for better healthcare worldwide

The analytes included ir	the Zambia program are:
Sodium	Bilirubin - Conjugated
Potassium	Urea
Glucose	Urate
Creatinine	Total Protein
ALT	Albumin
AST	Cholesteral
Bilirubin - Total	Triglycerides
1	Source: Renze Bais



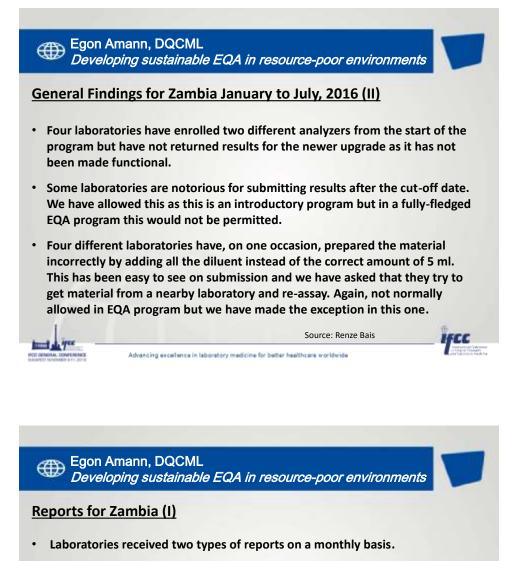




General Findings for Zambia January to July, 2016 (I)

- Laboratories have submitted results 163 out of a possible 170 times (94%). The reasons for not returning results were instrument down (3), EQA sample delivery issues (1) and no explanation (3).
- Very few times have laboratories been able to return a complete set of results for the tests they perform, the main reason being the lack of reagents. From this program it is clear, supply of reagents continues to be the biggest issue facing laboratories.
- On average, laboratories are returning only 50% of their results with the main reason given as being out of particular reagents.

Source: Renze Bais



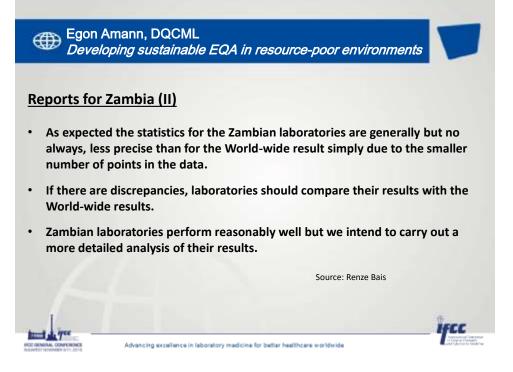
- One compared their results with the other Zambian laboratories in the survey.
- The other compared their results with those from the World-wide results for the material.
- In the World-wide survey there are at least 500 laboratories for each analyte.

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• There was no separate analysis for specific instruments or reagents as there would be insufficient results for each group from the current laboratories we have in the survey in Zambia.

Source: Renze Bais







- The project has more chance of success if it has support from a local authority such as the Department of Health.
- There needs to be a local "Champion or a number of Champions". These
 people are vital as they know the local regulations, are familiar with the
 local environment and culture and would be responsible for the local
 logistics.
- An initial survey should be sent to laboratories asking various questions related to their practices and procedures. The questions are specifically designed to establish baseline data on practices and procedures rather than to assess performance.

Source: Renze Bais



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Some learnings (II):

- The way the actual survey is run depends on the level of understanding and involvement in QA.
- By being the major organizer of the QA scheme, the IFCC would make a significant and lasting contribution to healthcare in the selected country. Furthermore, a successful project would enable the IFCC to use its Worldwide standing in the laboratory community to encourage laboratories in other developing countries to participate in QA schemes and use this activity to drive their laboratory improvement.
- Any program should be designed so that it is eventually run locally.



Source: Renze Bais

