



Project of Laboratory Quality Improvement for Portuguese Speaking Countries Tasks during 2015-2019



Ljubljana, Slovenia

The Project is a cooperation within the framework of improving the Laboratory Quality, with respect to the proper diagnosis and treatment of patients, between representatives of the different countries where Portuguese is the official language.



Cape Verde



Guinea Bissau



Equatorial Guinea



Portugal



East Timor



Mozambique



Angola



S. Tome and Principe



Brazil

Started in 2015

INSA - Portugal
SBAC/PNCQ - Brazil
ECAT- Netherlands



The three major aspects of ProMeQualab:

Education in
Quality Control

Biannual
Congress

Training in
Quality Control

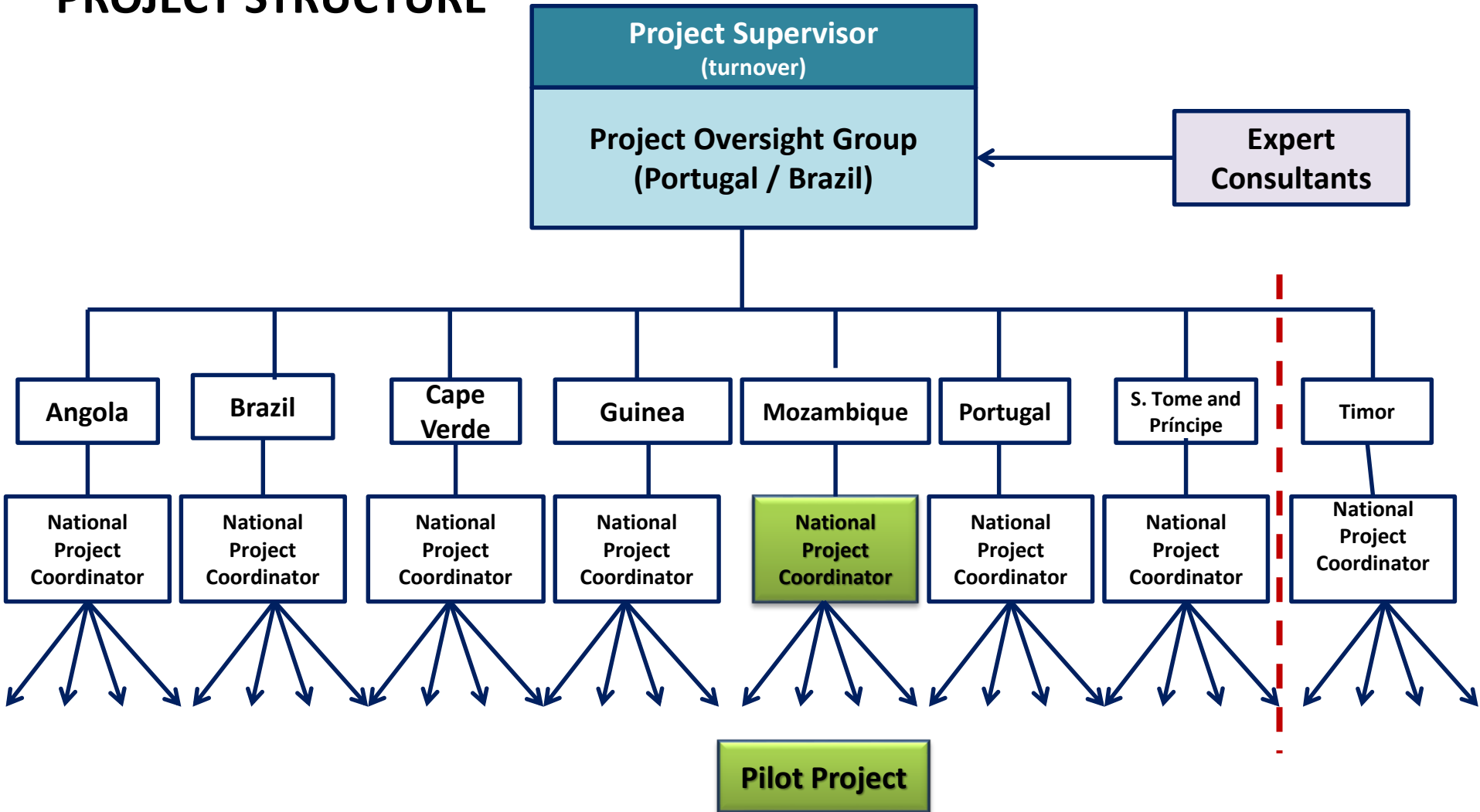
Mini courses -
training the
trainer

Monitoring quality
analytical control
results

Practical work
sessions

The aim is to build capacity to implement and sustain good laboratory practices

PROJECT STRUCTURE



Pilot Project

During 1 week (20 - 27 July 2015), 14 laboratories (mainly in the capital city Maputo) were visited and a previously constructed Checklist/ProMeQualab Assessment Questionnaire was completed.



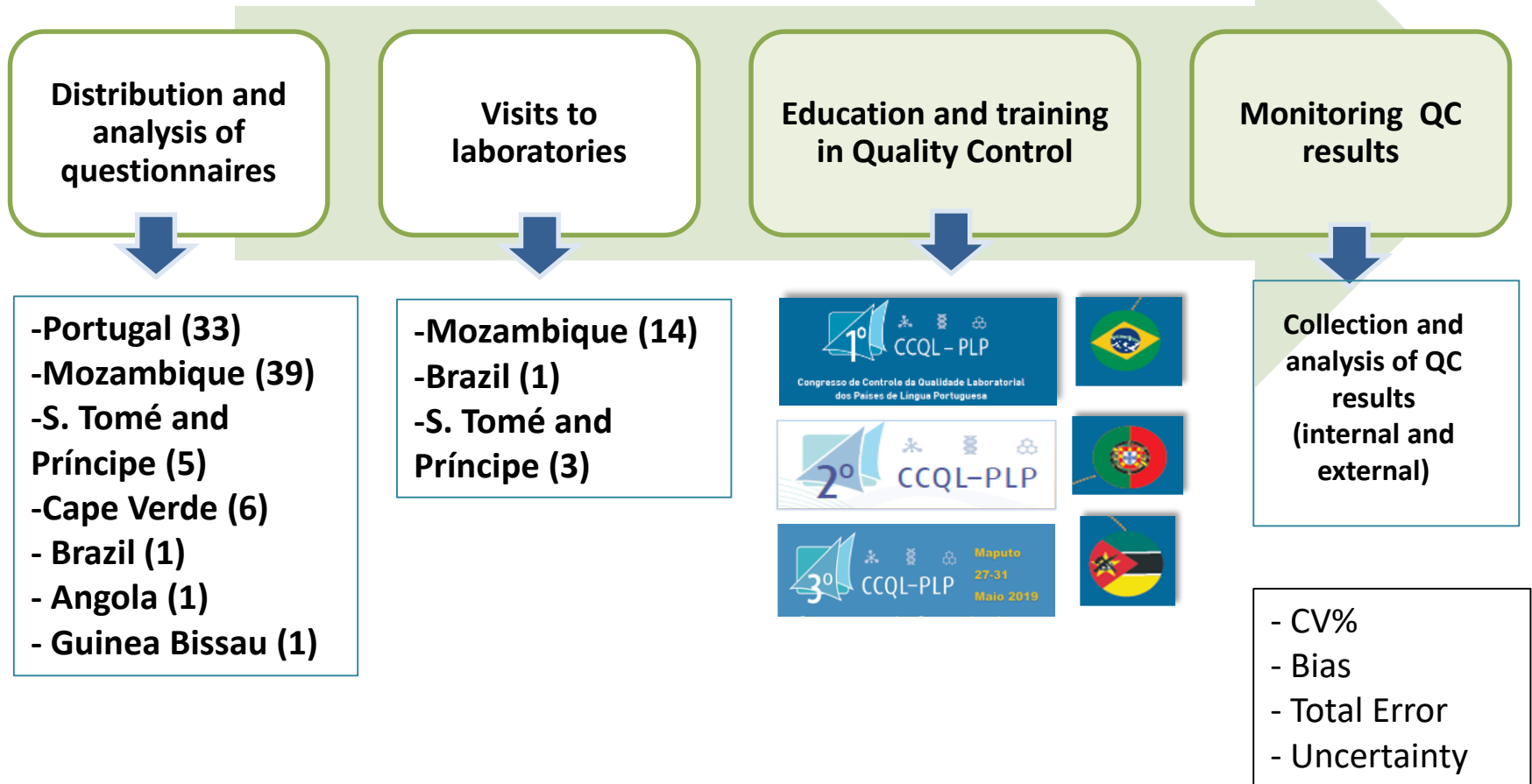
The purpose of this visit was to assess:

- the current level of organisation
- resources
- quality control tools implemented
- education and accreditation in laboratories, mainly in the medical field



It was found that proper education in quality-related issues is lacking in the training for many laboratory workers

Tasks during 2015-2019





Mini courses were organized on quality-related topics :

- internal quality control
- external quality control
- method validation
- total error and measurement uncertainty
- accreditation, quality management system, risk management, equipment management

ProMeQualab
trainers

Invited trainers

The most relevant critical points 2015-2019

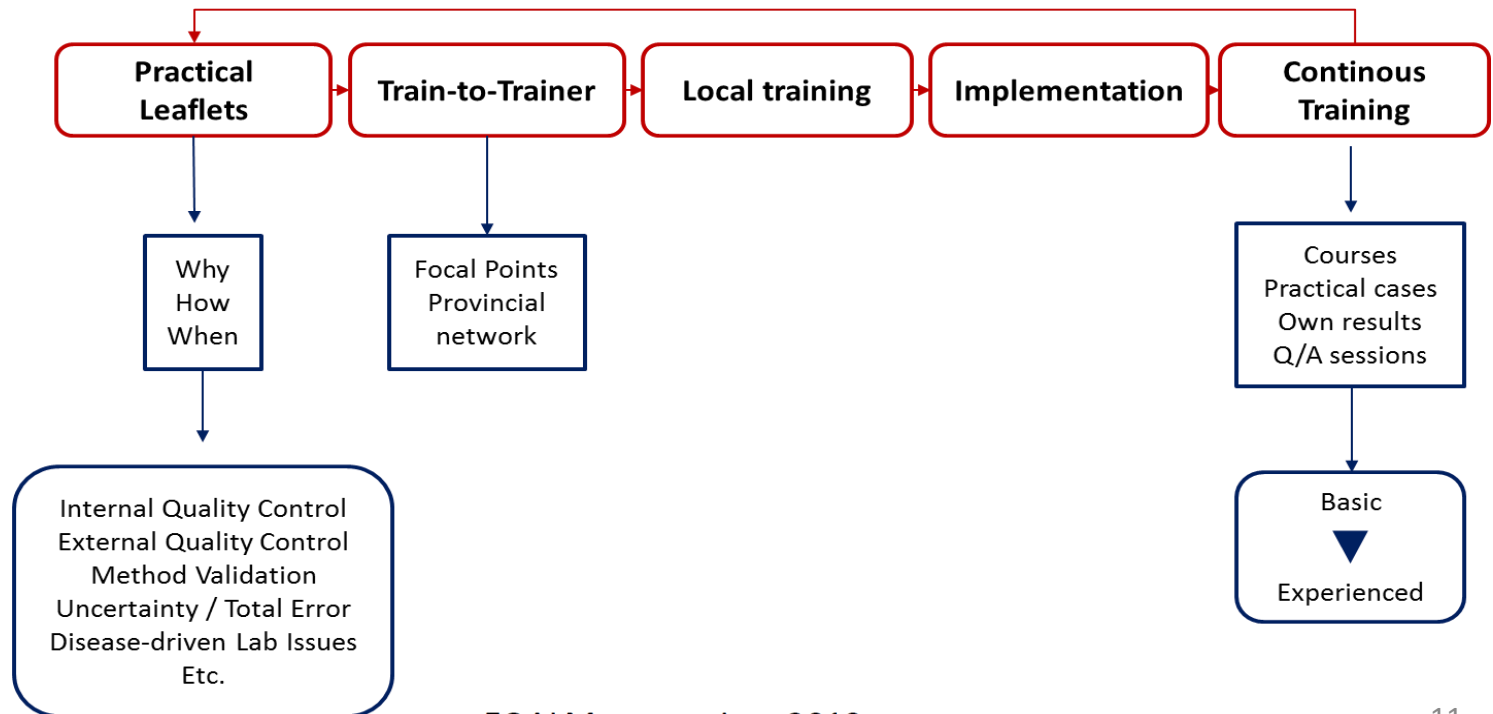
- Great disparity in equipment, reagents and in the implementation of quality control
- A significant lack of knowledge about internal and external quality control



Develop effective training tools

NEXT STEPS - EDUCATION

- **To provide simple tools quality-related topics** (e.g. pre-analytical phase, internal quality control, external quality assurance, measurement uncertainty/total error, method validation, etc.), **focus on the practical application in the laboratory.**
- **Start with a Train-the-Trainer program.**



NEXT STEPS

- **Financial support** is essential. Possibilities should be further explored.
- Encourage other speaking Portuguese countries to be part of the oversight group and to be motivated to take place as supervisor of the project.
- 2021 the 4th Congress will be held in



Cape Verde



thanks

- **Institutions involved/support this project**

- Instituto Nacional de Saúde Doutor Ricardo Jorge, I.P. (INSA), Lisbon, Portugal
- Sociedade Brasileira Análises Clínicas (SBAC), Brazil
- Instituto Nacional de Saúde (INS), Mozambique
- Laboratório de Referência da Tuberculose, S. Tome and Príncipe
- Instituto Nacional de Saúde Pública, Cape Verde
- ECAT Foundation, Netherlands

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- Fundação Millenium, Portugal (congress financial support)

