



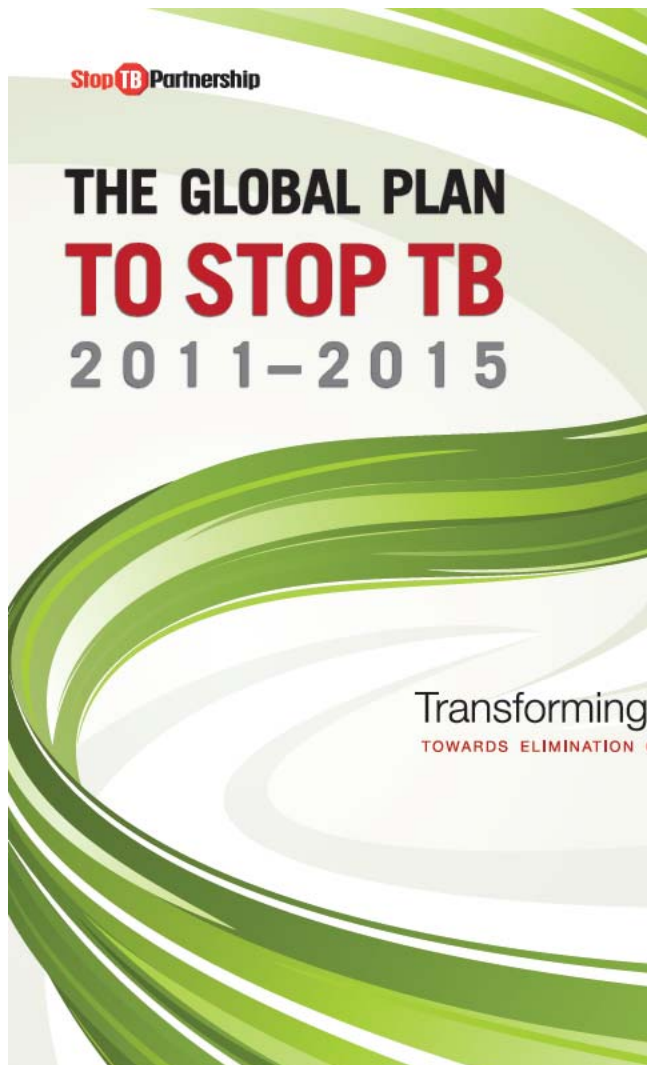
**Stop TB Partnership**

# **New Diagnostics Working Group**

## 2011 progress report

Giorgio Roscigno  
Co-Chair

# New diagnostics component of the Global Plan 2011-2015



## Overall goals:

- increase detection of active TB at point-of-care level
- diagnose latent TB infection and predict disease progression
- screen for MDR- and XDR-TB, HIV associated TB and paediatric TB

The NDWG is committed to ensuring that appropriate and affordable diagnosis is available at all levels of the health system.

# Global achievements

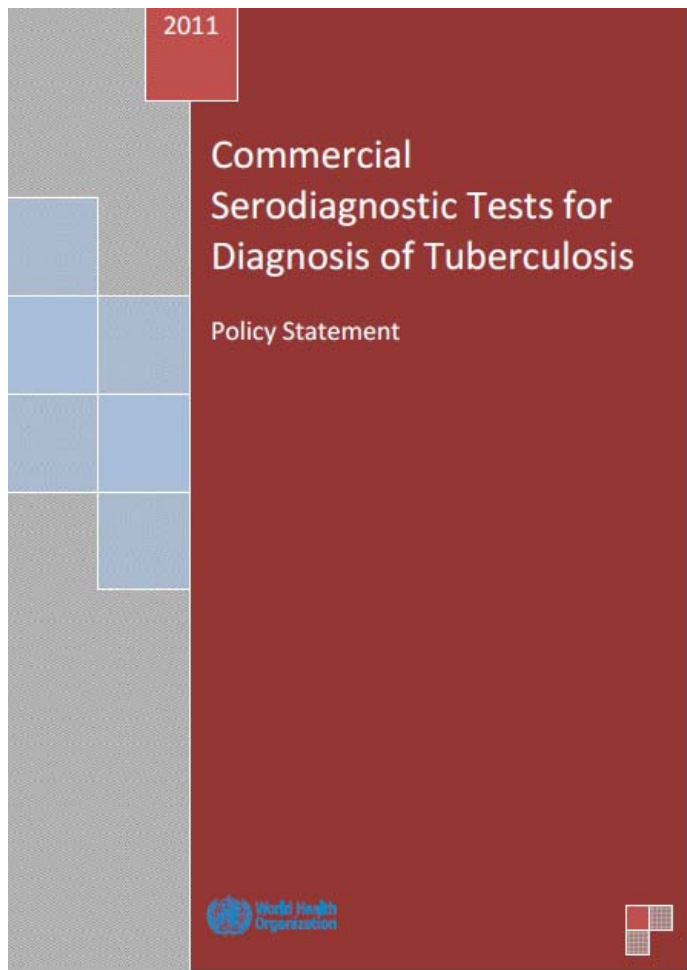
## Xpert MTB/RIF endorsement in December 2010



- Roadmap for rolling-out the Xpert MTB/RIF
- WHO Policy guidelines on Xpert MTB/RIF
- TREAT TB Xpert research mapping project

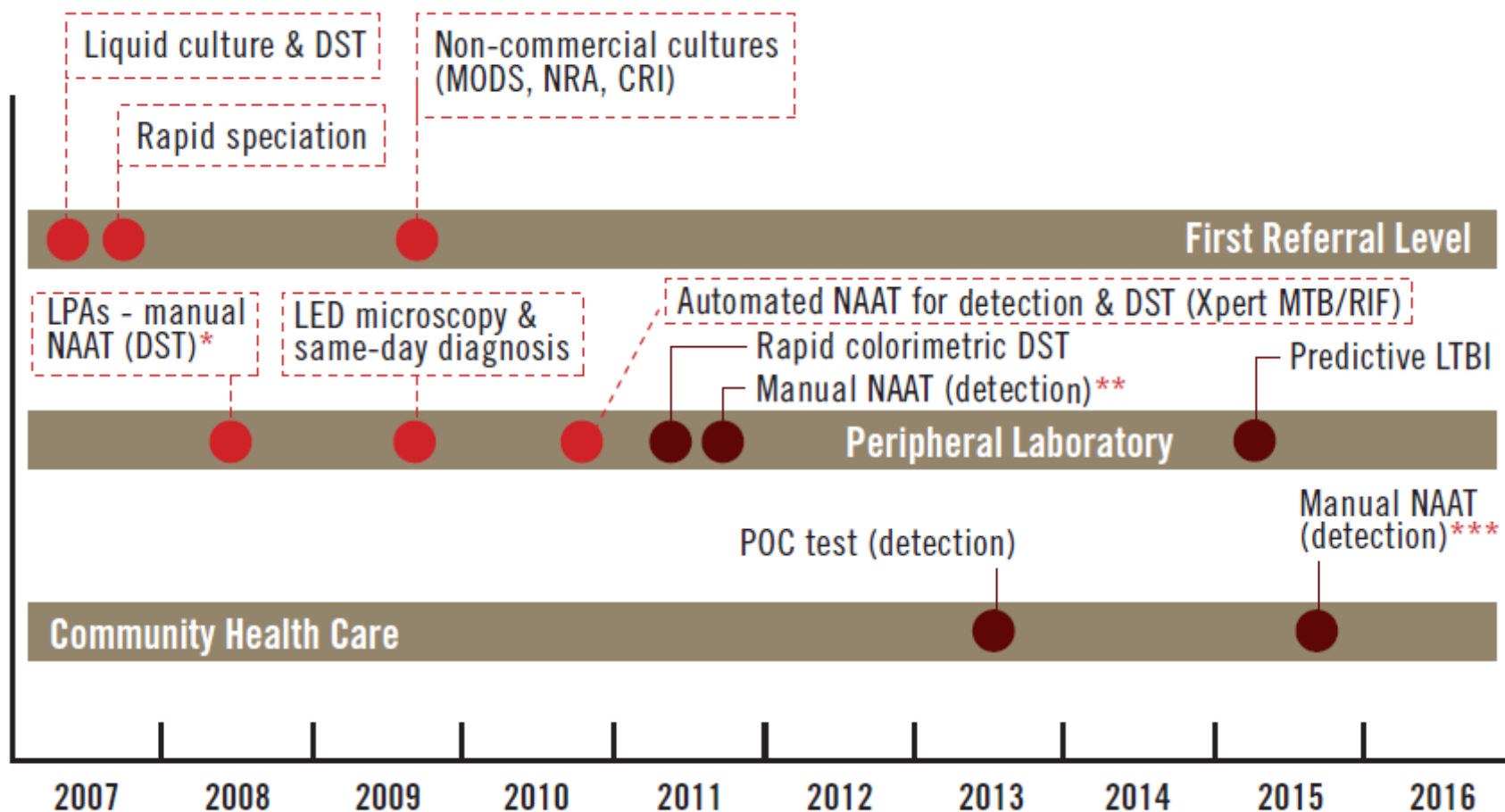
# Global achievements

## WHO policy guidelines and recommendations

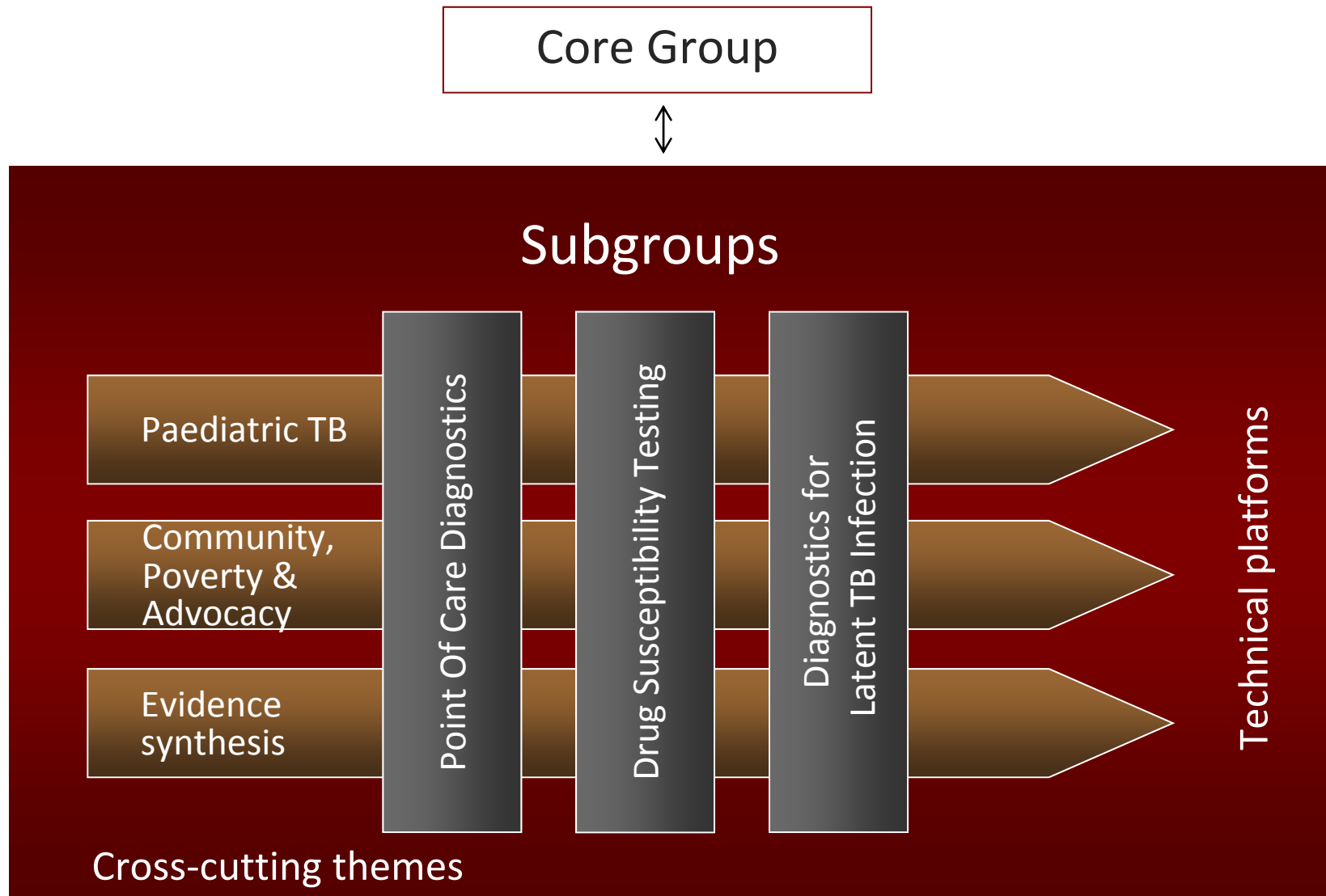


- Automated Real-time Nucleic Acid Amplification Technology for Rapid and Simultaneous Detection of Tuberculosis and Rifampicin Resistance: Xpert MTB/RIF System
- Commercial serodiagnostic tests for diagnosis of tuberculosis (negative recommendation)
- Use of tuberculosis interferon-gamma release assays (IGRAs) in low- and middle-income countries

# Progress against Global Plan goals



# New NDWG Subgroups Structure



# New NDWG Subgroups Structure



- Reduced number of Subgroups for increased efficiency and improved use of resources
- Matrix structure for higher interaction and coverage of issues
- Subgroup Coordinators represented in Core Group for improved communication
- Inclusion of Patients Community perspective to support development work

# NDWG technical projects 2010-2011

## Technical Platforms

### ○ Optimizing Smear Microscopy

Coordinators: Paul Klatser and Luis Cuevas

- ▶ Online discussion forum and webportal with evidence on smear microscopy optimization [www.tbmicroscopy.org](http://www.tbmicroscopy.org)

### ○ Drug Susceptibility Testing

Coordinator: Nicolas Durier

- ▶ Set-up of 2 pilot training centers on non-commercial methods in India (AllIMS) and Uganda (Makerere University)

### ○ Point-of-care Tests

Coordinators: Ruth McNerney and Catharina Boehme

- ▶ Technical guidelines on collection, processing and storage of TB specimens

# NDWG technical projects 2010-2011

## Cross-cutting themes

### ○ Evidence Synthesis and Policy

Coordinator: Karen Steingart

- ▶ Economic and epidemiological costs of TB serological testing in India: cost-effectiveness model
- ▶ Evidence summaries for systematic reviews

### ○ Community, Poverty and Advocacy

Coordinator: Mayowa Joel

- ▶ Analysis and recommendations on policies, tools and services for TB diagnostics in sub-saharan Africa

### ○ Childhood TB and diagnostics

Coordinator: Anneke Hesseling

- ▶ Advocacy and knowledge exchange: meeting and technical guidance

# Objectives 2012-2013



## Focus of NDWG in 2012-2013

- detection of active TB at point-of-care level
- screening for multi-drug resistance
- paediatric TB
- community perspective

## Approach

- focus on a limited number of projects
- interaction between Subgroups on major topics
- concentrate efforts and resources in order to maximize impact
- integrate different perspectives to cover Global Plan goals

# Work Plan 2012-2013

## Technical projects

- Point-of-care Tests, Evidence Synthesis and Childhood TB Subgroups
  - ▶ Weighing the trade-offs for an imperfect point-of-care test for TB: cost-effectiveness analysis, epidemic-economic model, dissemination and plain language summaries
- Drug Susceptibility Testing Subgroup
  - ▶ Methods for rapid detection of drug resistance today and in the future: guidelines for implementation and positioning in endemic countries
- Community, Poverty and Advocacy Subgroup
  - ▶ Innovative and proactive ways of involving the community in the roll-out of new technologies: advocacy tool for community representatives and civil society



Thank you