



EVM Introduction

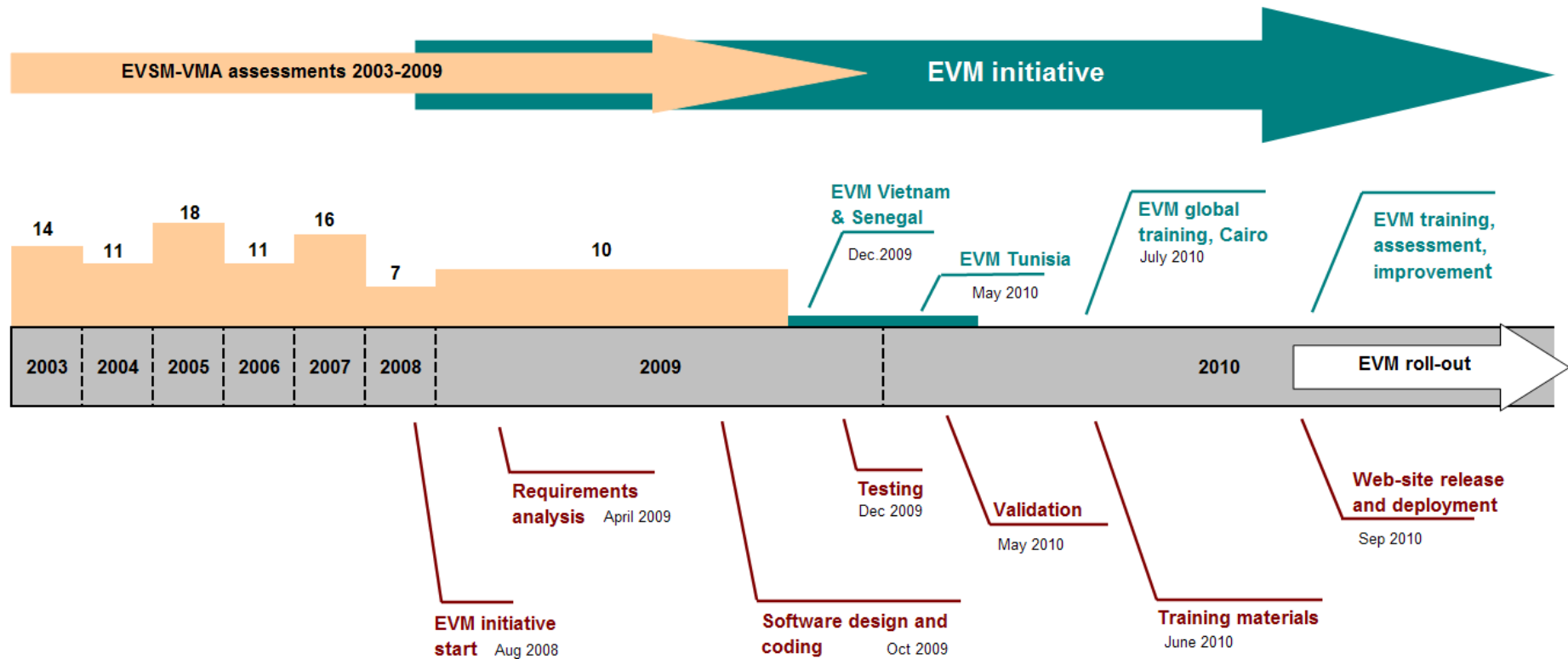
Part 1 – some background

EVM—setting a standard for the vaccine supply chain



**World Health
Organization**

Brief history



EVSM – Effective vaccine store management: 35 assessments 2003-2009

VMA – Vaccine management assessment: 53 assessments (2003 – 2009):

EVM – Effective vaccine management: 3 assessments (2009-2010)

..... **EVM replaces the two earlier tools**

Criteria comparison- EVSM-VMA-EVM

#	EVSM	VMA	EVM
1	<i>Vaccine arrival procedures</i>	<i>Vaccine arrival procedures</i>	Vaccine & commodity arrival procedures
2	<i>Vaccine storage temperatures</i>	<i>Vaccine storage temperatures</i>	Vaccine storage temperatures
3	<i>Cold storage capacity</i>	<i>Cold storage capacity</i>	Cold & dry storage capacity
4	<i>Buildings, CC equipment & transport</i>	<i>Buildings, CC equipment & transport</i>	Buildings, CC equipment & transport
5	<i>Maintenance</i>	<i>Maintenance</i>	Maintenance
6	<i>Stock management</i>	<i>Stock management</i>	Stock management
7	<i>Timely deliveries</i>	<i>Effective vaccine delivery</i>	Effective distribution
8	<i>Damage during distribution</i>	<i>Correct diluent use</i>	Good vaccine management practices
9	<i>Standard operating procedures</i>	<i>Effective VVM use</i>	Information systems and supportive management functions
10	<i>Human & financial resources</i>	<i>MDVP</i>	
11		<i>Vaccine wastage control</i>	
	Applicability: Primary stores	Applicability: All levels	Applicability: All levels

EVM – What it is and what it does - 1

An assessment tool for the whole vaccine supply chain:

- Questionnaire-based;
- Inspects records and equipment and assesses staff knowledge;
- Checks if systems for routine monitoring & evaluation are in place and operational.
- Promotes and supports quality management principles; built to accommodate changing needs;
- Supported by linked guidance notes, documents and supplementary tools.

Sets minimum standards, covering:

- Vaccine and supplies management;
- Quality and layout of sites and buildings;
- Physical capacity of storage and transport;
- Quality of fixed equipment and vehicles;
- Repairs and maintenance;
- Training.

EVM – What it is and what it does - 2

One common set of quality indicators

- Indicators are automatically filtered to suit the ‘level’ being assessed;
- Indicators are context-dependent – only relevant questions are asked by the assessor – (countries are always assessed on their own terms).

Can assess four different ‘levels’ of store

- **Primary level** (e.g. national & regional stores receiving vaccine from mfrs);
- **Sub-national level** (e.g. provincial and large district stores);
- **Lowest delivery level** – stores which supply health facilities direct;
- **Service point** – health facilities with or without refrigerators.

Structured assessments use a common ‘review period’

- Generally 12 months;
- Period decided before the assessment starts;
- Same period used for all facilities in the study.

EVM – Main uses and outcomes

Structured assessment of a systematically selected sample

Target outcomes:

- Quality management principles are promoted at national level.
- Analysis of assessment results leads to general recommendations and a system-wide improvement plan.

Routine supervisory assessment of individual facilities

Target outcomes:

- Quality management principles are promoted and embedded at facility level.
- Improvements are monitored and checked off over an extended period.

Monitoring progress in and between countries.

Target outcomes:

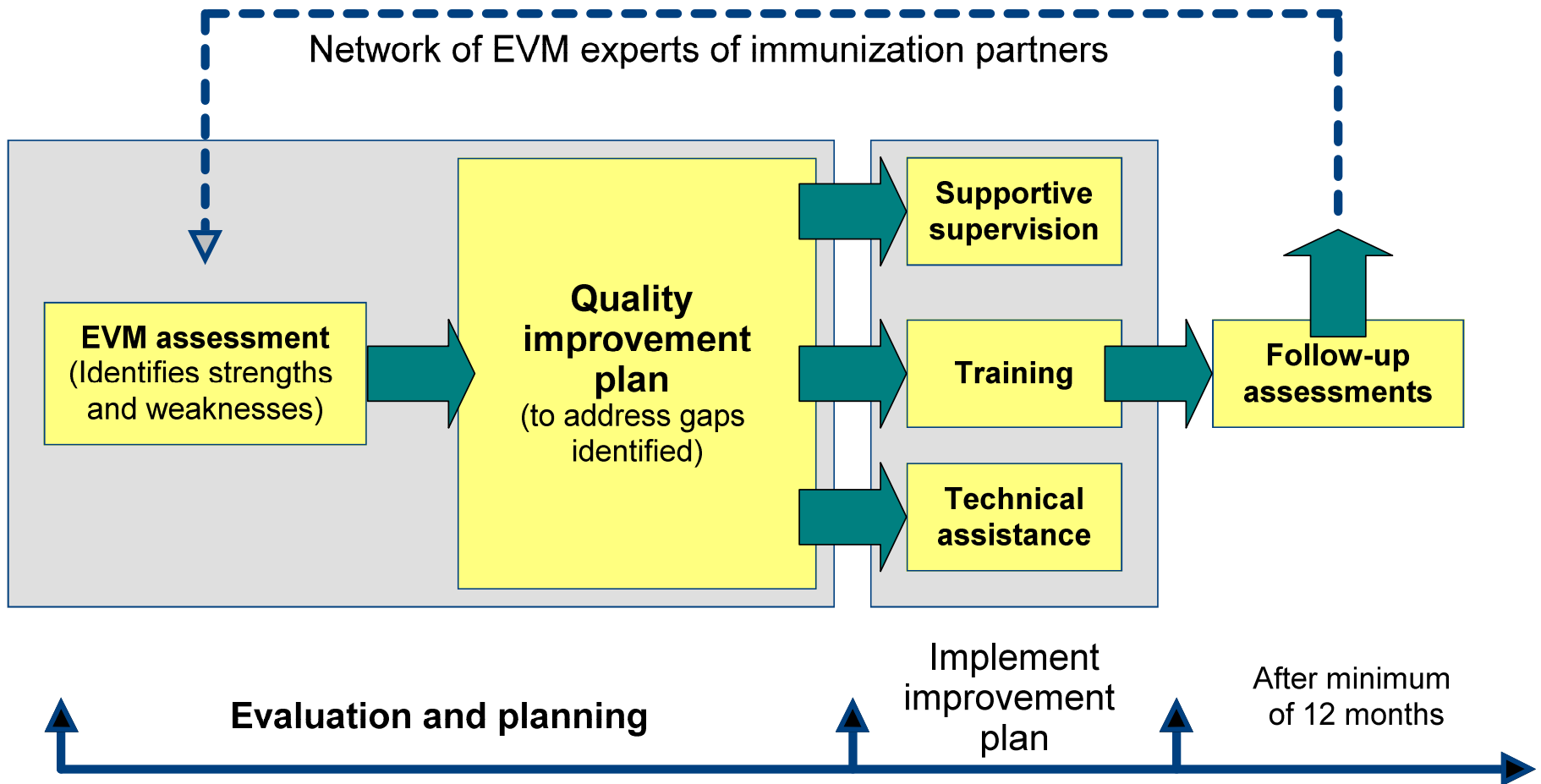
- Countries and Immunization partners have access to a database of country performance indicators for support

The nine EVM criteria - 1

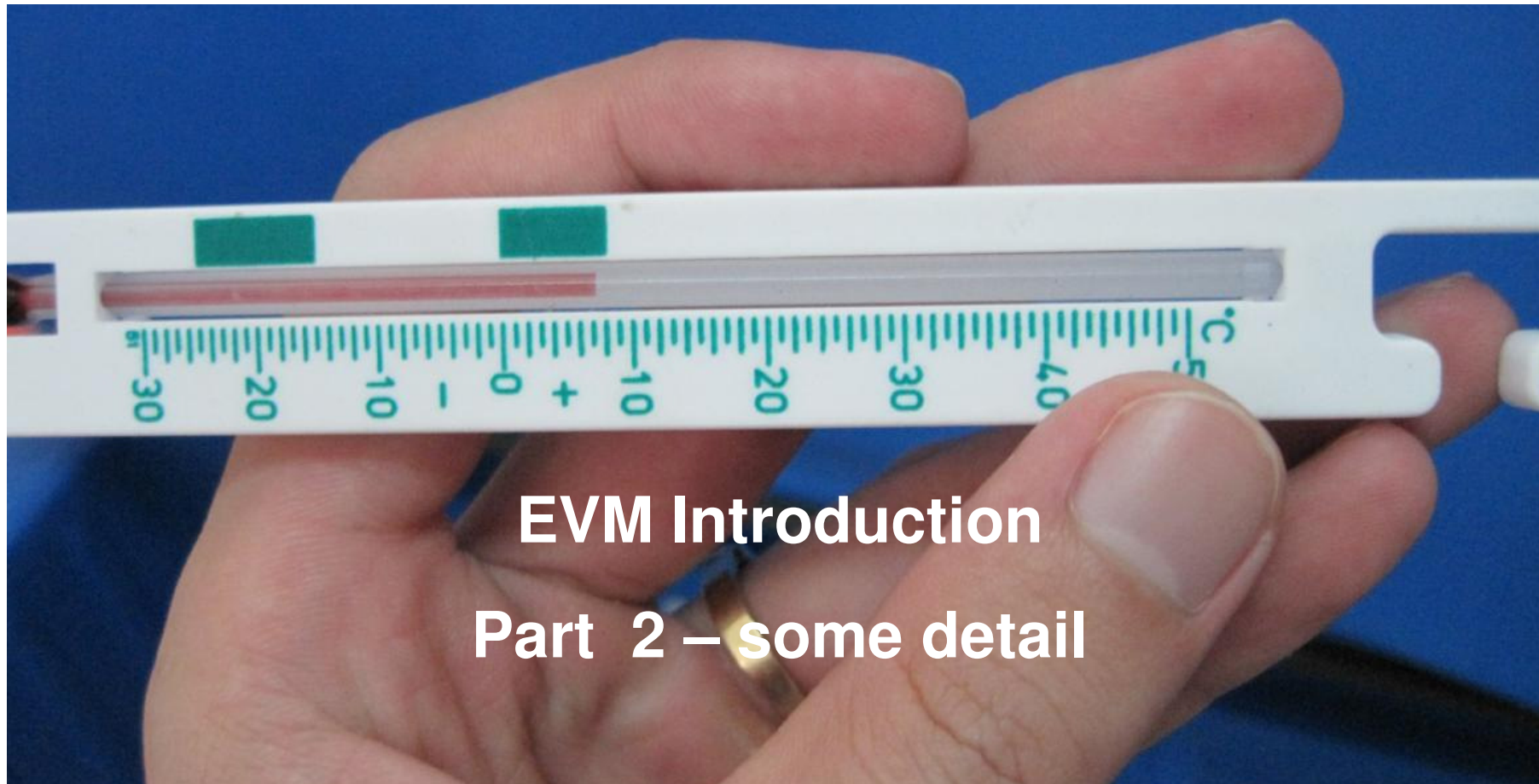
Nine key criteria for a satisfactory vaccine supply chain:

1. **Pre-shipment and arrival procedures.** Applies to primary store level only
2. **Storage within recommended temperature ranges.**
3. **Cold storage, dry storage and transport capacity.** Including NUVI capacity
4. **Buildings, cold chain equipment and transport systems**
5. **Maintenance**
6. **Stock management**
7. **Distribution**
8. **Appropriate vaccine management policies**
9. **Information systems & supportive management functions** Not applicable at service delivery level

EVM – A continuous process of quality improvement



Discussion break.....



EVM Introduction

Part 2 – some detail

EVM—setting a standard for the vaccine supply chain



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The complete EVM system and documents



EVM scoring – sample output

Two summary views of the data:

Criteria scores

E9: MIS & su

E8: Vaccine man

E7:

Primary

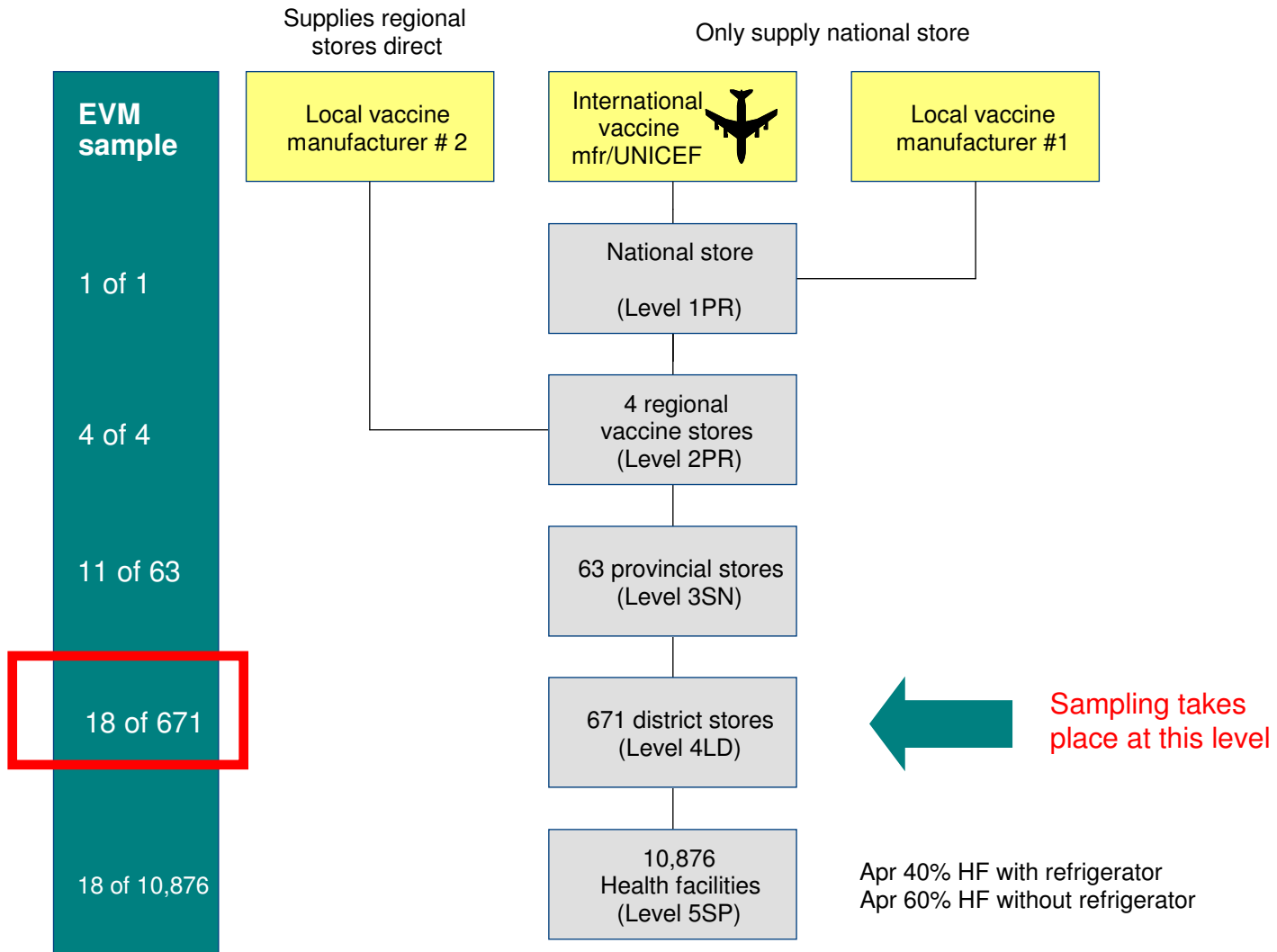
Category scores

Primary

All

Indicator	PCT 1PR	SN1 1SN
E2_01a	0	
E2_02a	0	2.5
E2_03a	5	5
E2_04a	5	0
E2_05a	0	0
E2_07a	0	0
E2_08a	1	0
E2_09a	0	0
E2_10a	1	0
E2_11a	1	0
E2_12a	0	5
E2_13a	1	0
E3_01a	5	5

Site selection – systematic sampling of the supply chain



Conducting an assessment – lead assessor responsibilities

The lead assessor is responsible for the following tasks:

- Making the site selection in cooperation with MoH
- Training the in-country assessment teams
- Preparing all materials for data collection
- Supervising the assessment teams throughout the assessment
- Data entry and data cleaning
- Data analysis
- Extracting and generalizing facility-specific recommendations in conjunction with MoH colleagues
- Presentation of results and recommendations to MoH
- Report writing
- Preparing the Improvement Plan in collaboration with MoH and relevant partners

Conducting an assessment – training the in-country team

Scope and organization:

- Three day classroom course for MoH staff
- Scenario-based training methodology with group exercises
- Covers assessment of individual facilities and making recommendations
- Provides knowledge upgrading over the nine EVM criteria topics
- Practical field assessment exercise after the classroom course
- Teams of two or three people are sent to the field



EVM training session in Hanoi, Sept '09



EVM Training Course ,

Output from an EVM assessment - 1

Minimum:

- A completed set of EVM questionnaires
- A completed data set in the assessment tool
- Analysis of assessment results
- EVM report, including findings and detailed recommendations
- Improvement plan, developed and agreed with the country management team

Optional:

- Dataset and report uploaded to the central EVM database

Thank you