

**Global Vaccine Research Forum (GVRF),
Bamako, Mali, 6 - 9 December 2009**

Building an evidence base: Progress report on Senegal demonstration projects

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OPTIMIZE

Immunization systems and technologies for tomorrow



**Ministère de la Santé et
de la Prévention Médicale**

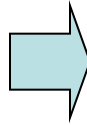
Project Goal

Demonstrate technologies, systems & practices to face future challenges in supply chain management for vaccines, drugs and other health products.

Project Objectives and Timeline

Phase 1: 2009

Evaluate opportunities for supply chain system improvement.



Phase 2: 2010 - 2012

Demonstrate technologies & system interventions that could improve the vaccine supply chain for the future.

Prepare for anticipated future challenges in the next 10 to 15 years.

Establish a long-term vision for the evolution of immunization services and supporting systems.

Phase 1 Activities

Phase 1 Activities:

- Assessments
- Feasibility assessments
- Project design

October – December 2009

Effective Vaccine Management (EVM) assessment

Cold chain and transport equipment inventories

Preparation of an advocacy plan to support the project's integration activities

Feasibility assessment on integration of storage & distribution of vaccines with drugs

Assessment of the moving warehouse concept for distribution of vaccines & drugs

Preparation for a comparative assessment of health equipment maintenance

Evaluation of Effective Vaccine Management

Goal:

To identify strengths and weaknesses in vaccine management in Senegal in order to design and implement necessary improvements.

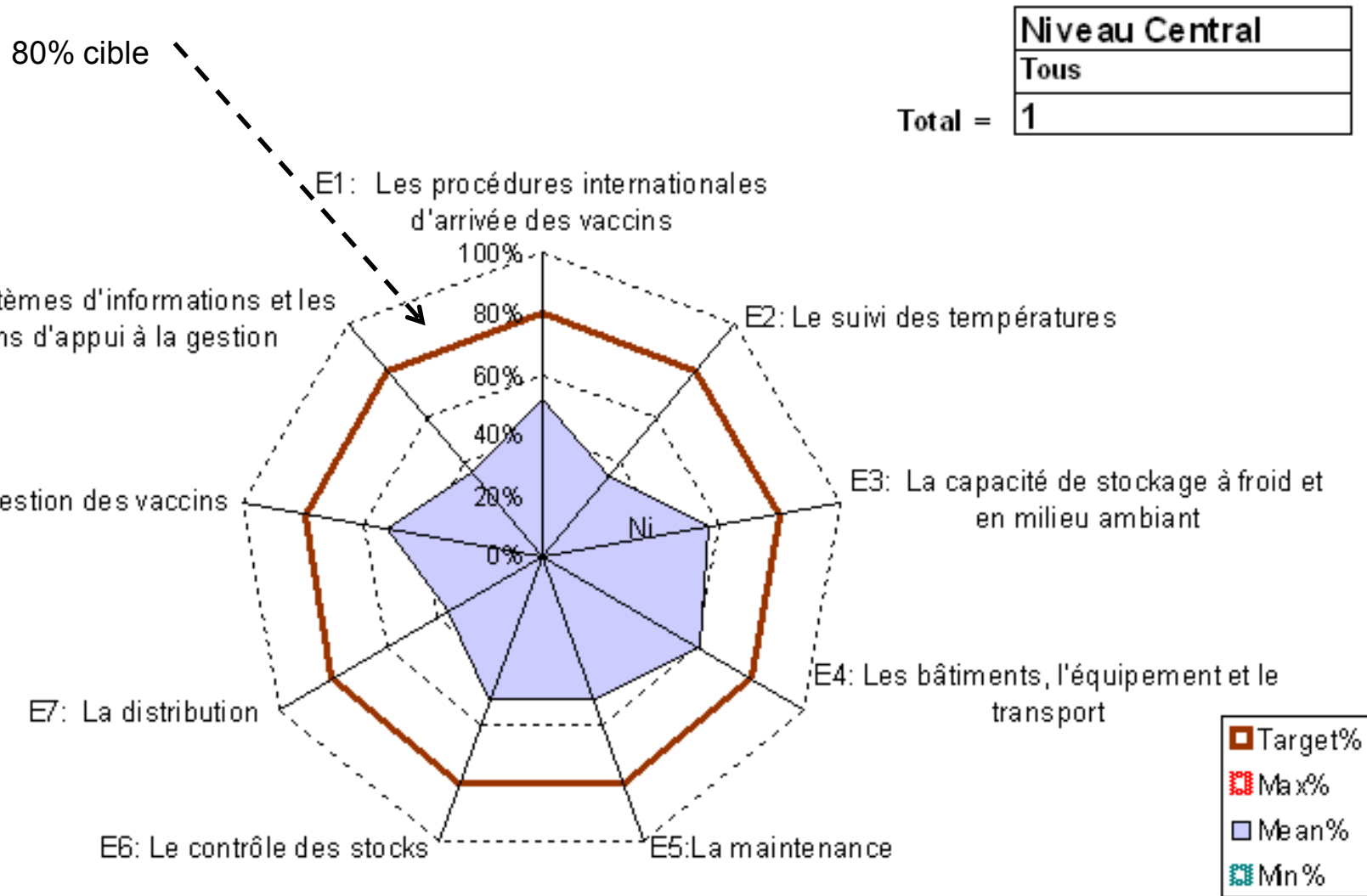
Achieved:

- Evaluation conducted Oct - Nov in: 1 central store, 11 regional stores, 23 district stores and 48 health posts.

Results:

- Status available for central, intermediate and peripheral levels
- Improvement plan available for central level
- Improvement plans for regional, district and health post levels on-going.

Results by Criteria – Central Level



Mean = moyenne

Results by Criteria – Regional Level

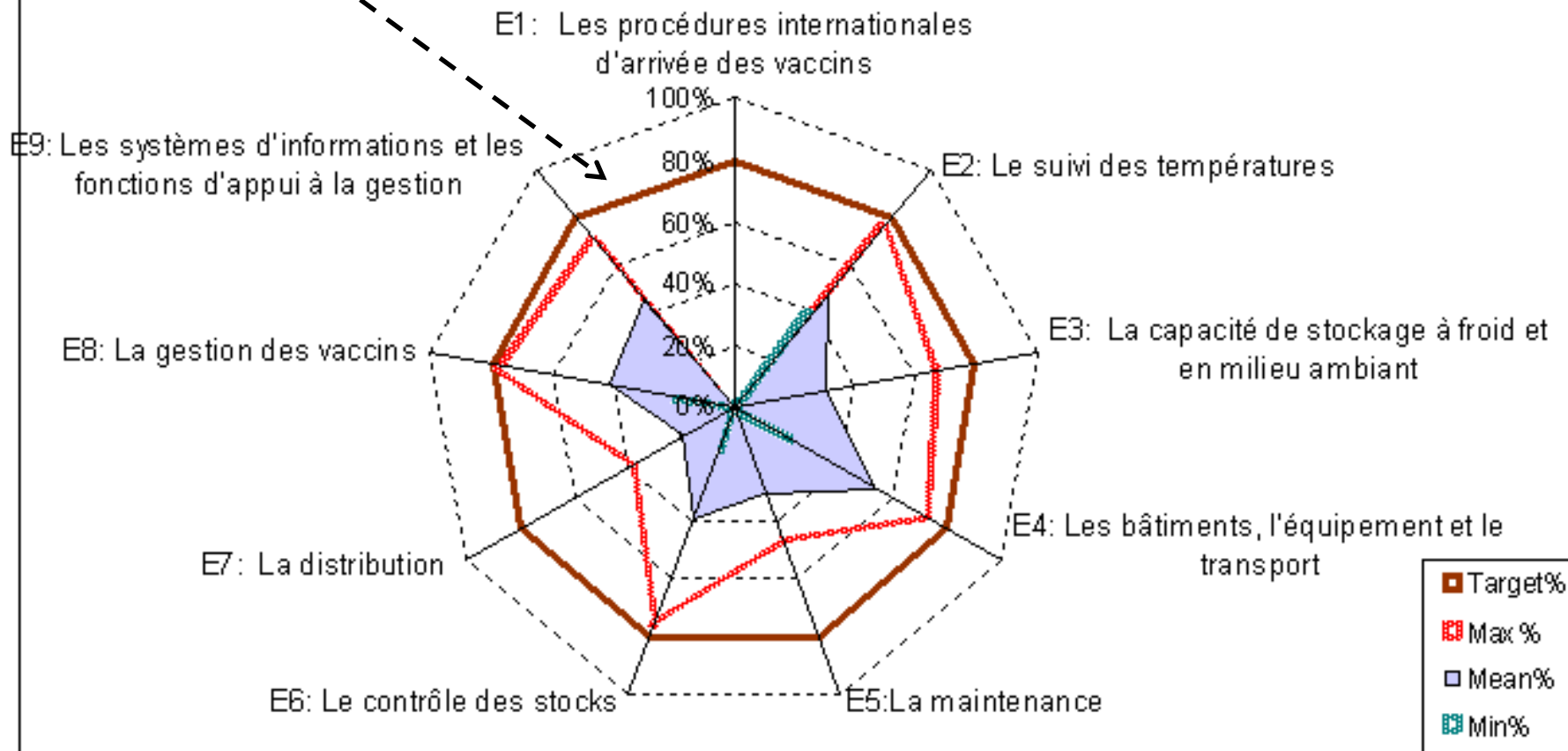
Résultats des Critères- Régions

Niveau Région

Tous

n= 11

80% cible

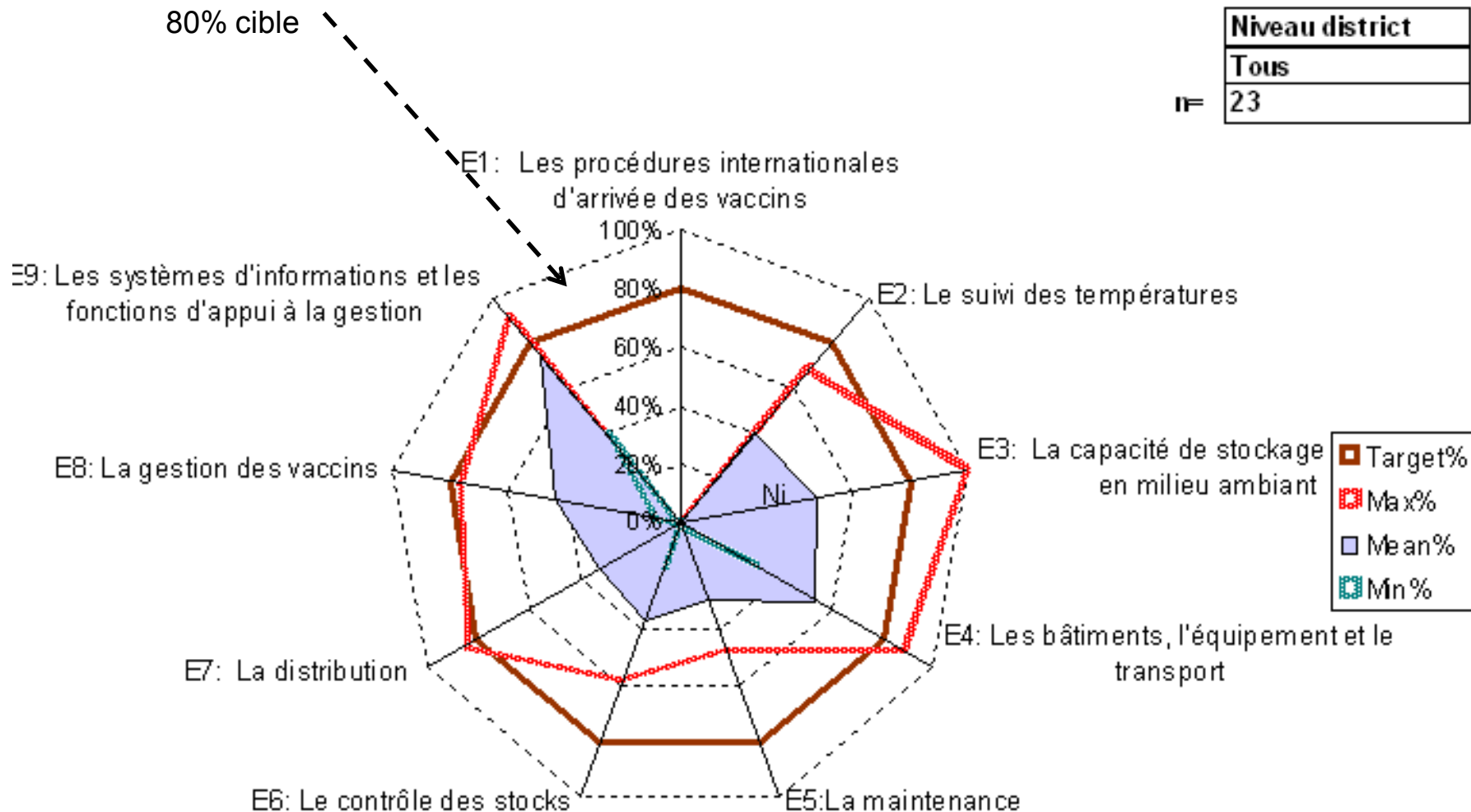


Mean = moyenne

Results by Criteria – District Level

Niveau district	
Tous	
n=	23

80% cible



Cold Chain & Transport Inventories

Goal:

Assess existing cold chain & transport capacity in Senegal and identify reliable, cost-effective and sustainable solutions.

Achieved:

- Inventory done in Oct – Nov at central, regional and district levels.
- Inventory at health post level: on-going.

Next steps:

- Data analysis & preparation of rehabilitation plan
- Implementation of a system for regular update
- Assessment of new technologies to meet future needs.

Advocacy plan to support integration of supply chains for vaccines, and other drugs

Expected results:

- Political mapping: understanding of networks of influence and decision-making structures amongst key stakeholders
- Development of a communication strategy to support integration.

Achieved:

- Interviews of stakeholders: conducted in November
- Political mapping: on-going

Next steps:

- Workshop to outline an Advocacy & Communication Plan to support integration activities (10 – 11 Dec)
- Implementation of the plan.

Integration of Vaccine Storage and Distribution by PNA (1)

Goal:

To integrate vaccines and immunization consumables in PNA supply chain system.

Achieved:

- Technical feasibility study: on-going
- Institutional & financial feasibility study: on-going.

Next steps:

Reports of feasibility studies due on 15 december:

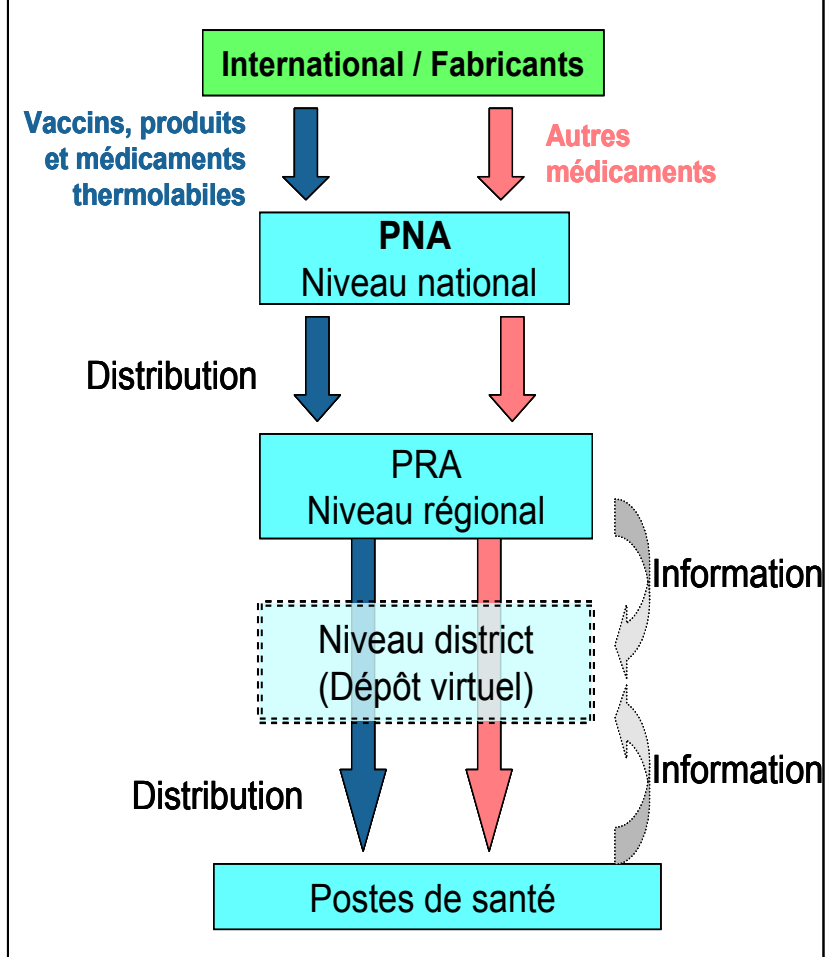
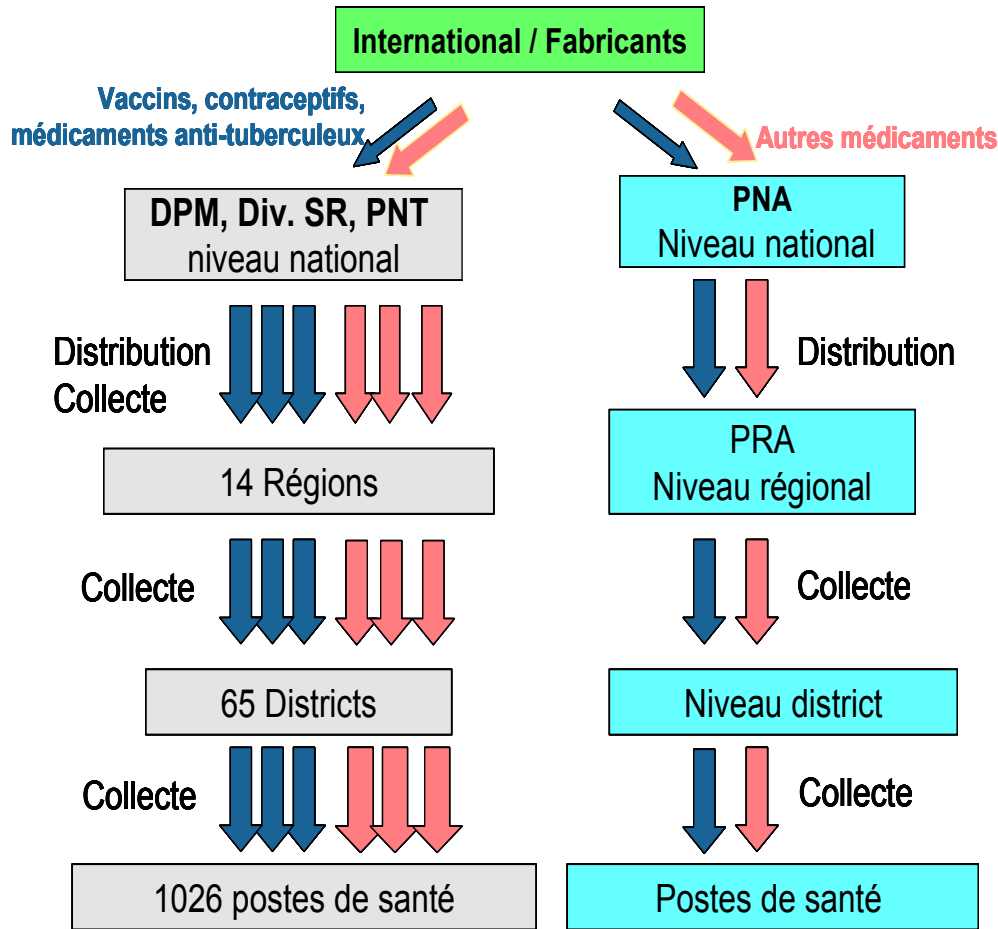
- Analysis & adoption of a plan to upgrade PNA technical & human capacities.

Study on integration of management information systems.

Integration of Vaccine Storage and Distribution by PNA (2)

Present Situation

Post- integration Situation



Cold Chain

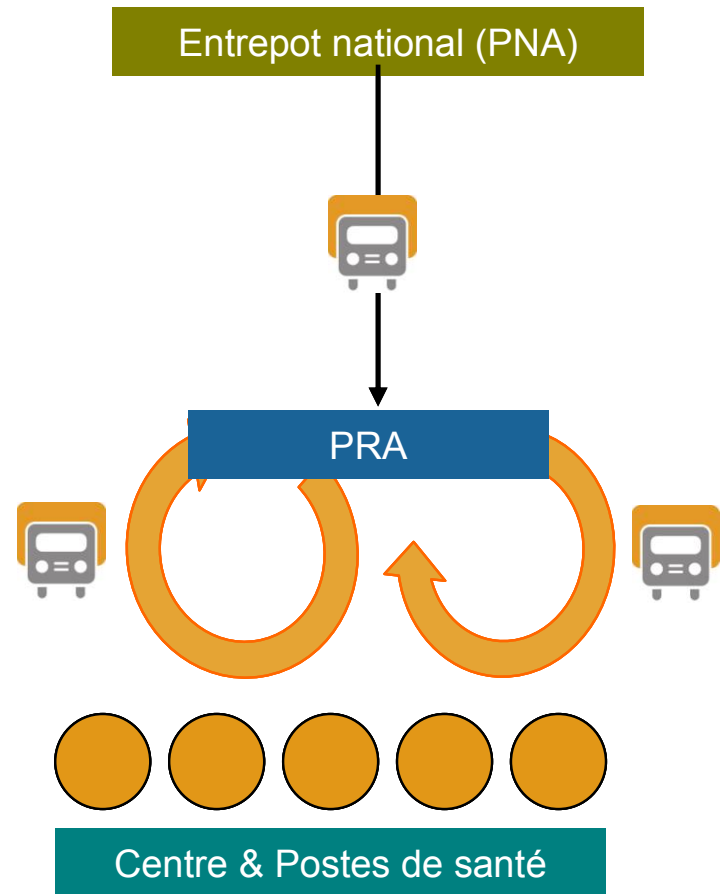
Ambient Temperature Chain

Moving Warehouse for Vaccine & Drug Distribution (1)

Moving warehouse:

A vehicle full of vaccines & drugs departing from PRA* and visiting health posts to:

- top up stocks,
- record consumption data,
- provide supportive supervision and
- maintain cold chain.



Moving Warehouse for Vaccine & Drug Distribution (2)

Achieved:

- Feasibility studies:
 - Technical feasibility in Saint Louis Region: on-going
 - Political mapping with concerned stakeholders: on-going

Next steps:

- Workshop 14 to 16 december in Saint Louis:
 - Feedback on feasibility study and political mapping
 - Discussions on stakeholders' concerns & expectations
 - Outlining of a draft implementation plan.

Preparation for a comparative study on public and private approaches to maintenance

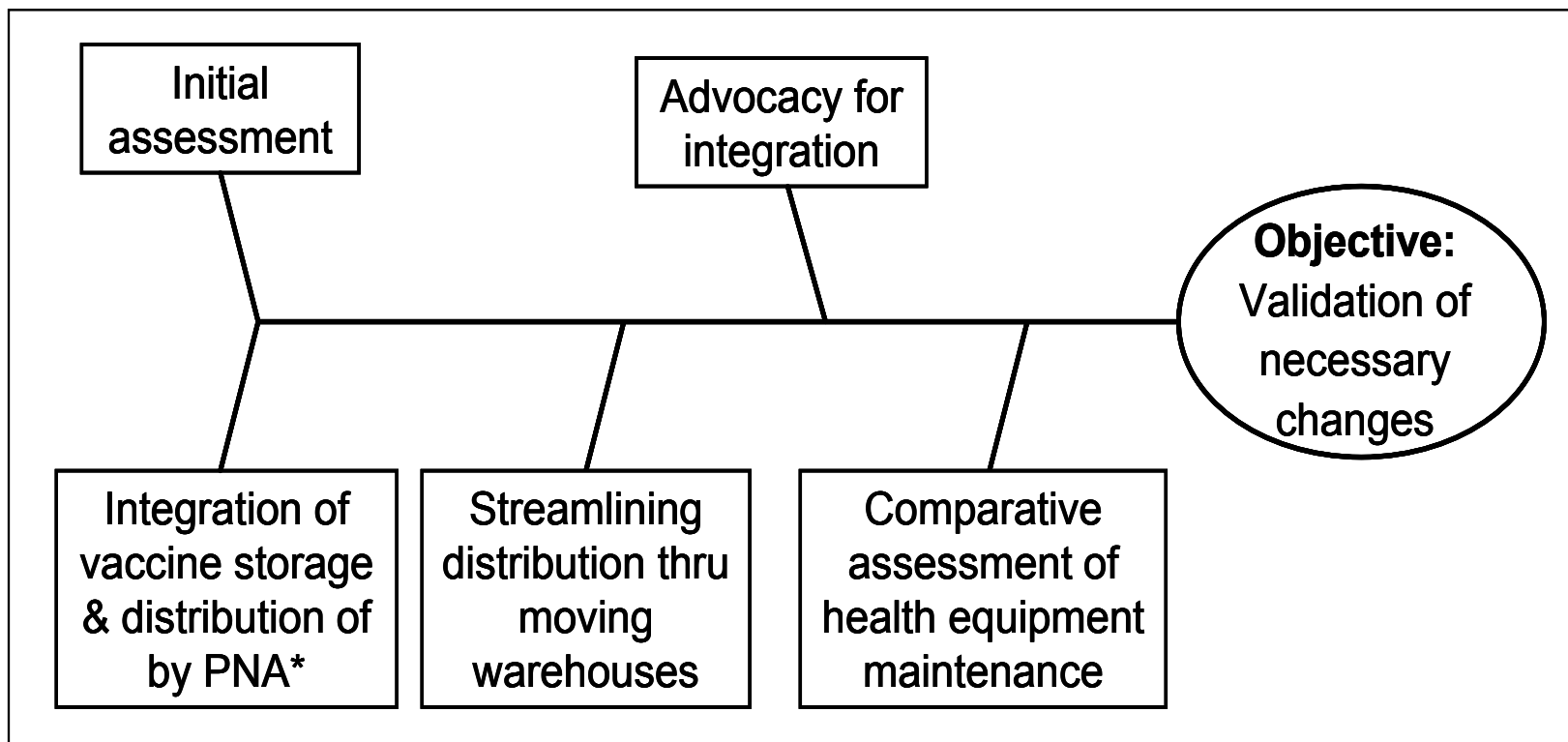
Expected results:

- Identification of maintenance providers from 1) public sector, 2) private sector, and 3) maintenance school graduates in selected districts.
- Setting up the comparison between the 3 types of maintenance models.
- Evaluation after 2 year monitoring (leading to adaptation of the Strategic Maintenance Plan adopted by the MoH).

Status:

- Not yet started.

Summary of interventions



The Change "Thiof"

Dieuredieuf! Merci! Thank you!



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