

Swiss TPH



Swiss Tropical and Public Health Institute
Schweizerisches Tropen- und Public Health-Institut
Institut Tropical et de Santé Publique Suisse

Swiss Centre for International Health

Swiss Moldovan Cooperation

Health Technology Management

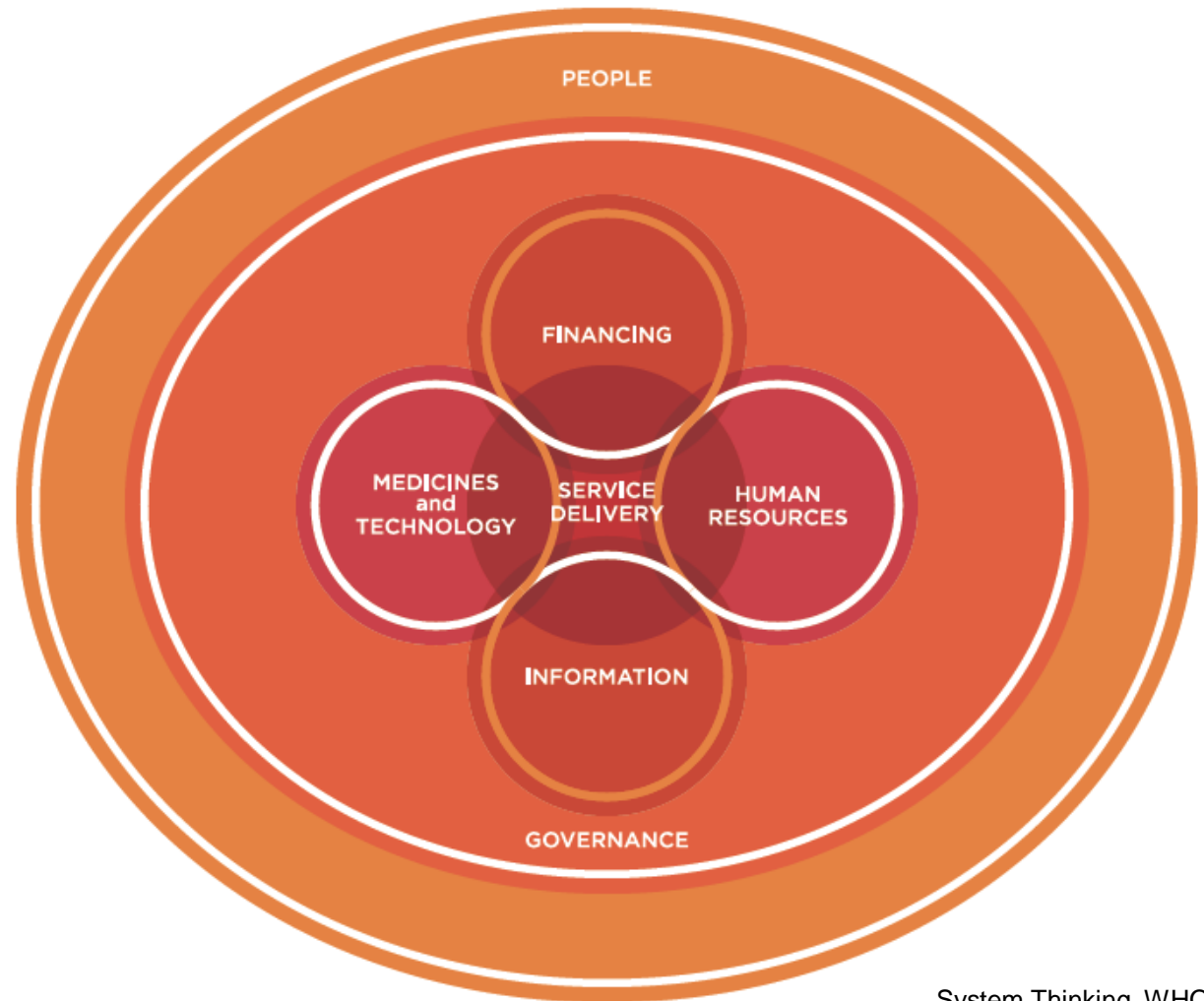
HTM - Policy Development in Moldova

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Regional Workshop "Health Technology Management
Association of Biomedical Engineering
Technical University of Moldova
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Systems Approach

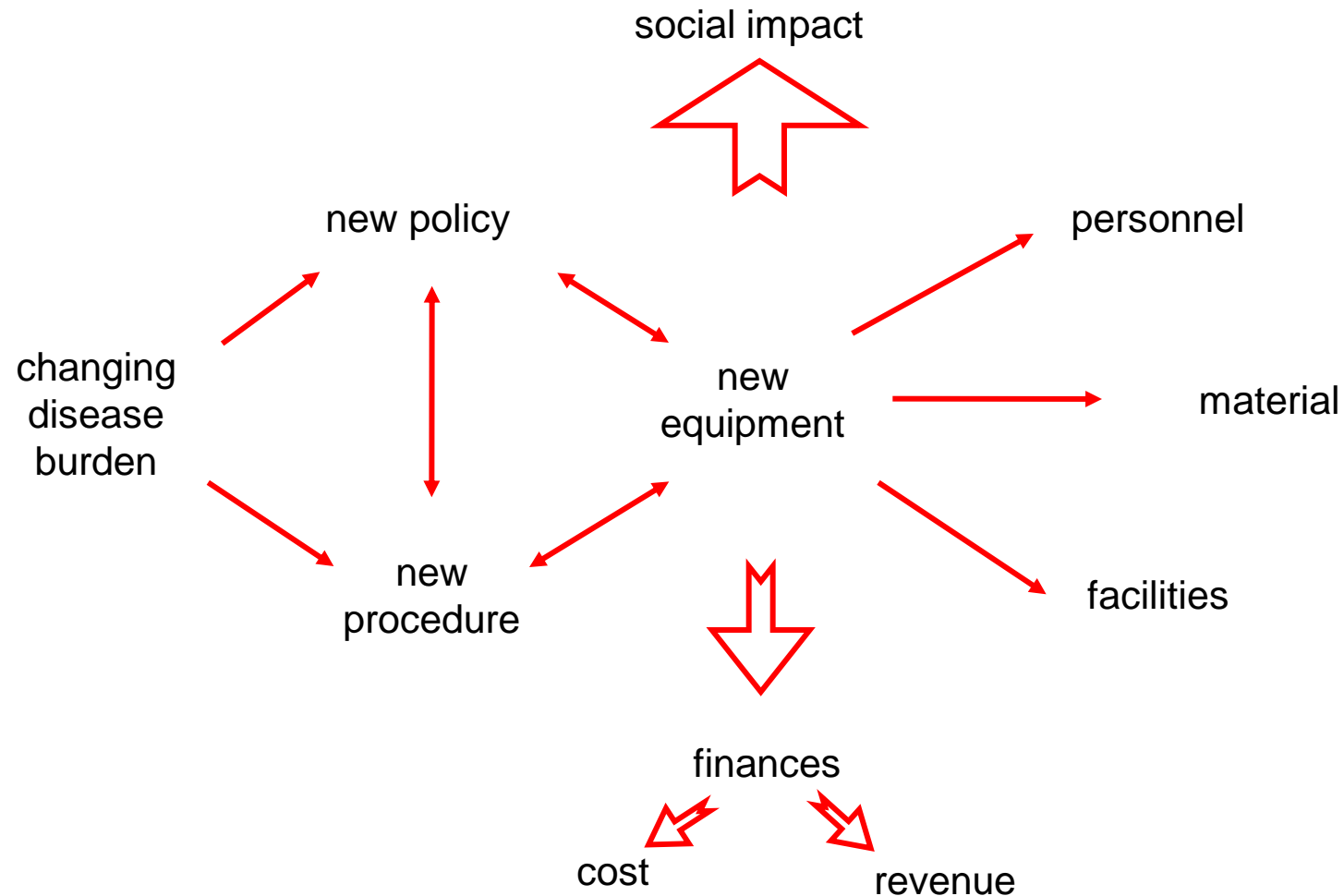
Health Technology is part of the Health System



System Thinking, WHO



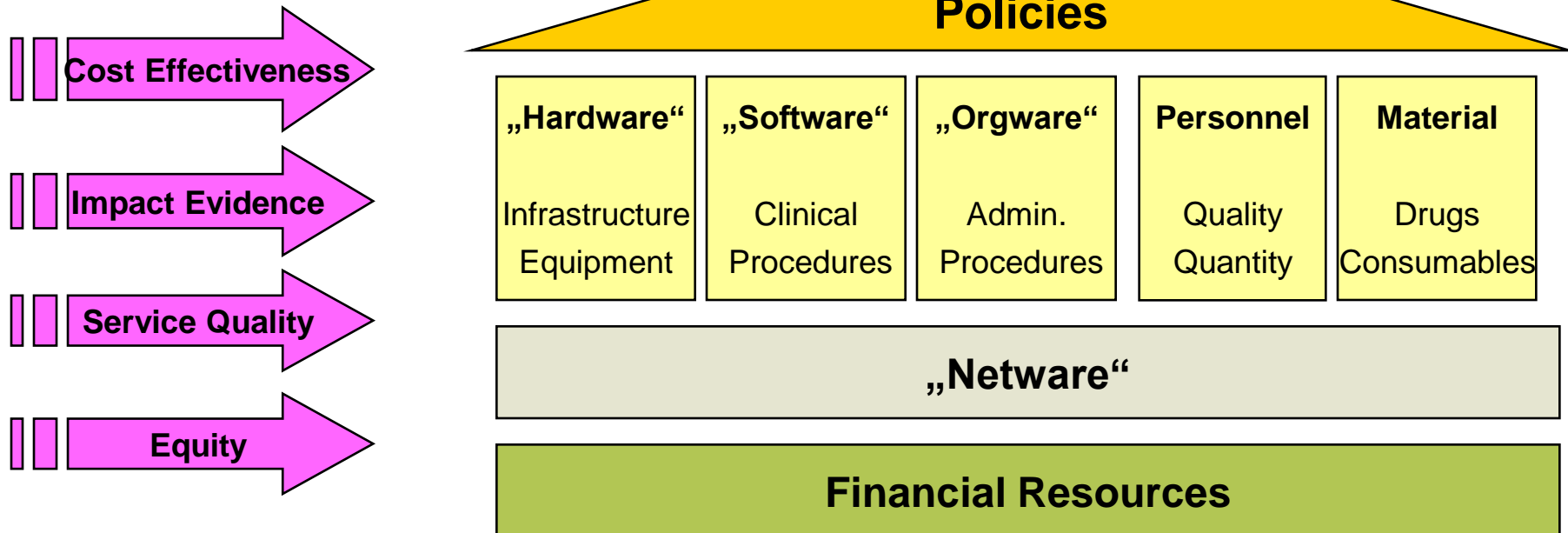
Interdependence of Components of Health System





Health Technology in Health Care System

Complexity of Health Care System





Health Technology Management

....without functioning facilities, medical equipment, and medicines, it does not matter if the knowledge, skills and staff levels are high. The delivery of services will still be poor.

WHO World Health Report 2000



Only effective equipment management will avoid

6



HTM during “Soviet Past”

- Centralistic organized system
- Hospitals were centrally equipped
- Unified equipment was provided
- Maintenance through a central maintenance organisation (**Polymedtech**)
- Individual health facilities were not much involved in equipment management



HTM after “Soviet Past”

- Centralistic system dissolved
- Regions / Facilities gained more independence
- Central maintenance organisation dissolved.
 - Partly turned to private organisations
 - Partly remained and kept contracts with hospitals
 - Not further supported for maintenance through central institution
- Start of new private organisations



HTM after “Soviet Past”, continued

- Maintenance of “old” equipment was normally still secured.
- High influx of modern medical equipment through projects and MOH central procurement
- Maintenance for modern equipment difficult as only suppliers (representatives) provide maintenance services, quite expensive

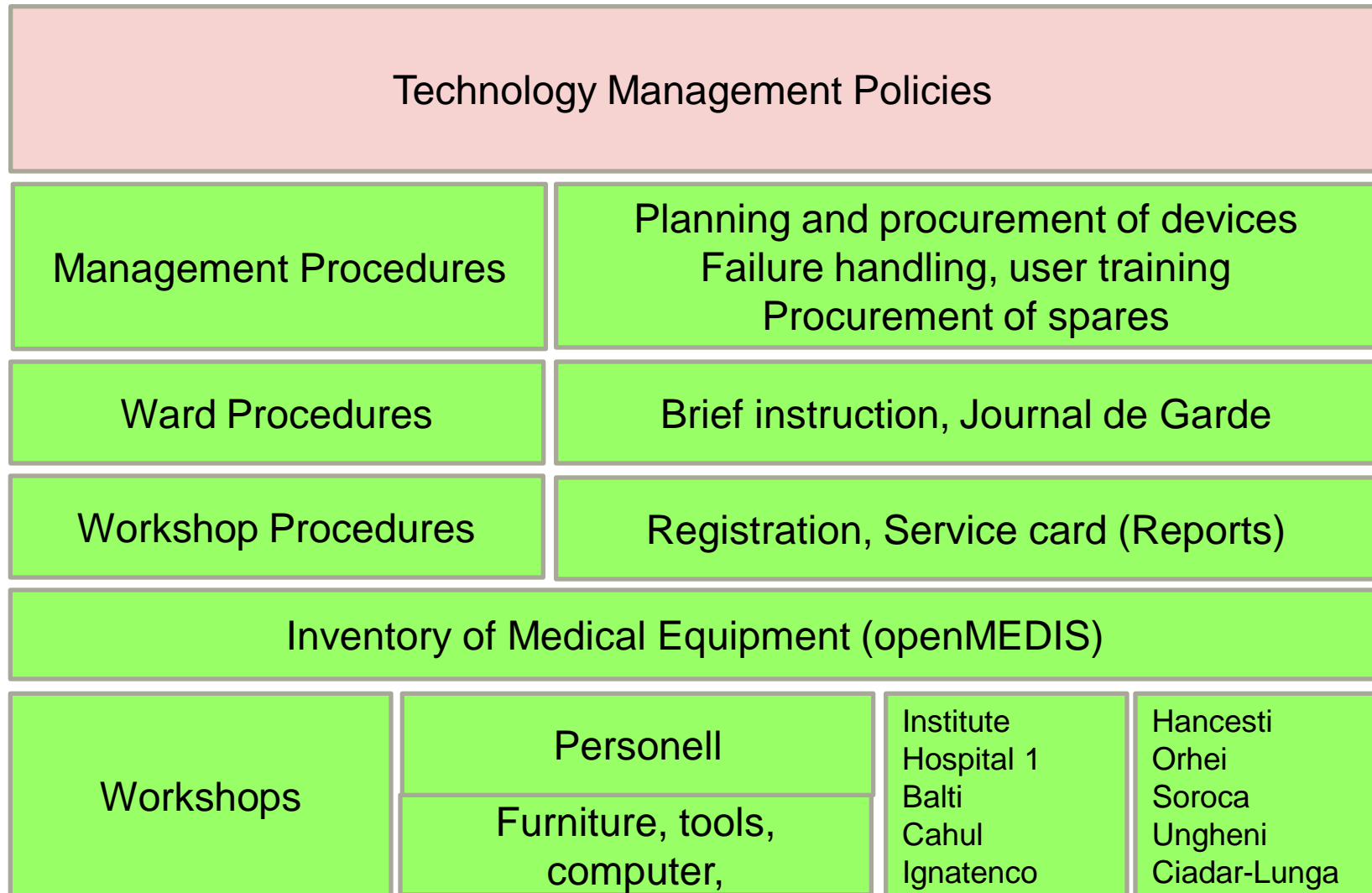


HTM after “Soviet Past”, continued

- Little / no change in policies for management and maintenance of medical equipment. Old policies and regulations often do not match new situation
- Government / Projects still often supply equipment (sometimes not according to actual needs) but hospitals are responsible for maintenance



HTM - Project Approach





Health Technology Policy

Objectives

- To promote standards and norms
- To formalise strategies for the rational introduction and utilisation of healthcare technologies
- Ensure safe and effective acquisition, utilisation and management of healthcare technology
- To define national objectives and to encourage the improvement and impact of healthcare technology in service delivery
- To assure adequate financial resources



Policies in Health Care System

- Health System Policy
 - Health coverage plan - Which facility offering which service where
 - Health system structure - reference system
 - Health system organisation
- Health System Financing Policy
 - insurance, taxes, patient contribution, etc.
- Standards & Guidelines Policy
 - Medical procedures, standard applications,
- **Health Technology Policy**
- Drug Policy
- Health Promotion Policy



Health Technology Policy

- Adequate structures/organisation
- Acquisition and installation procedures
- Maintenance policy
 - Preventive maintenance
 - Corrective maintenance (repair)
- Financing health care technology
- Medical device regulations, standards



HTM – Framework Condition in Moldova

- Few qualified biomedical engineers
- Increasing number expected (training) but will take time
- Limited financial resources (MOH, Health Facilities)
- Slowly growing market for biomedical equipment



Policy Development in Moldova

- Law on medical devices passed
- Creation of a high level working group
- Analysis of existing laws, regulations and procedures (extra presentation)



Tasks and responsibilities of the actors

- MOH: (extract)
 - Approve list of notified bodies
 - Develop and promote medical device policies
- Agency (few examples)
 - monitoring the process of provision or medical devices
 - Market surveillance
 - Performance or centralized procurment
 - Creation and maintenance of medical equipment database

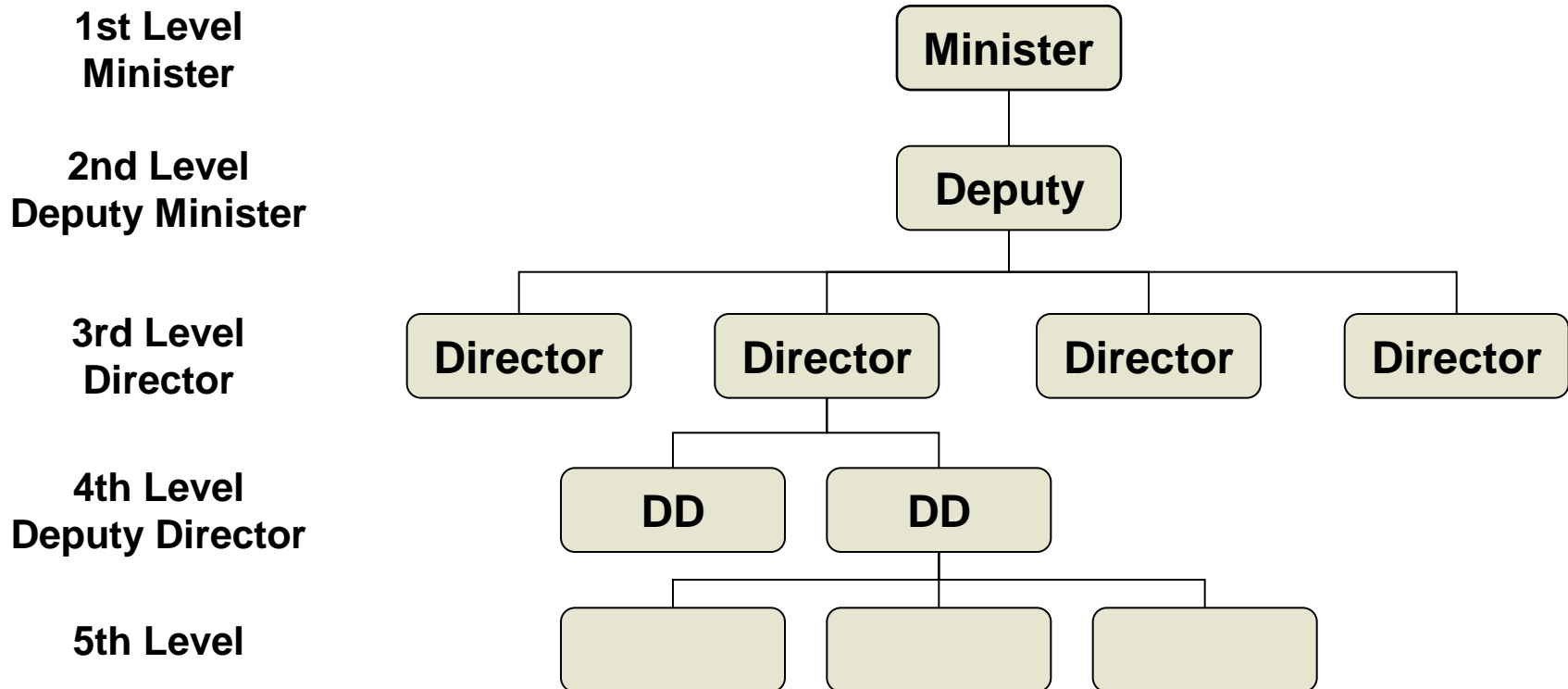


Health System Organisation (modern)

Policy	Regulation	Service Delivery
MOH	MOH	MOH Health Facilities
	Parastatal Organisation	Parastatals Autonomous HF
		NGOs
		Private Non Profit For Profit
	Independent Regulatory Body	

Adequate Structures/Organisation

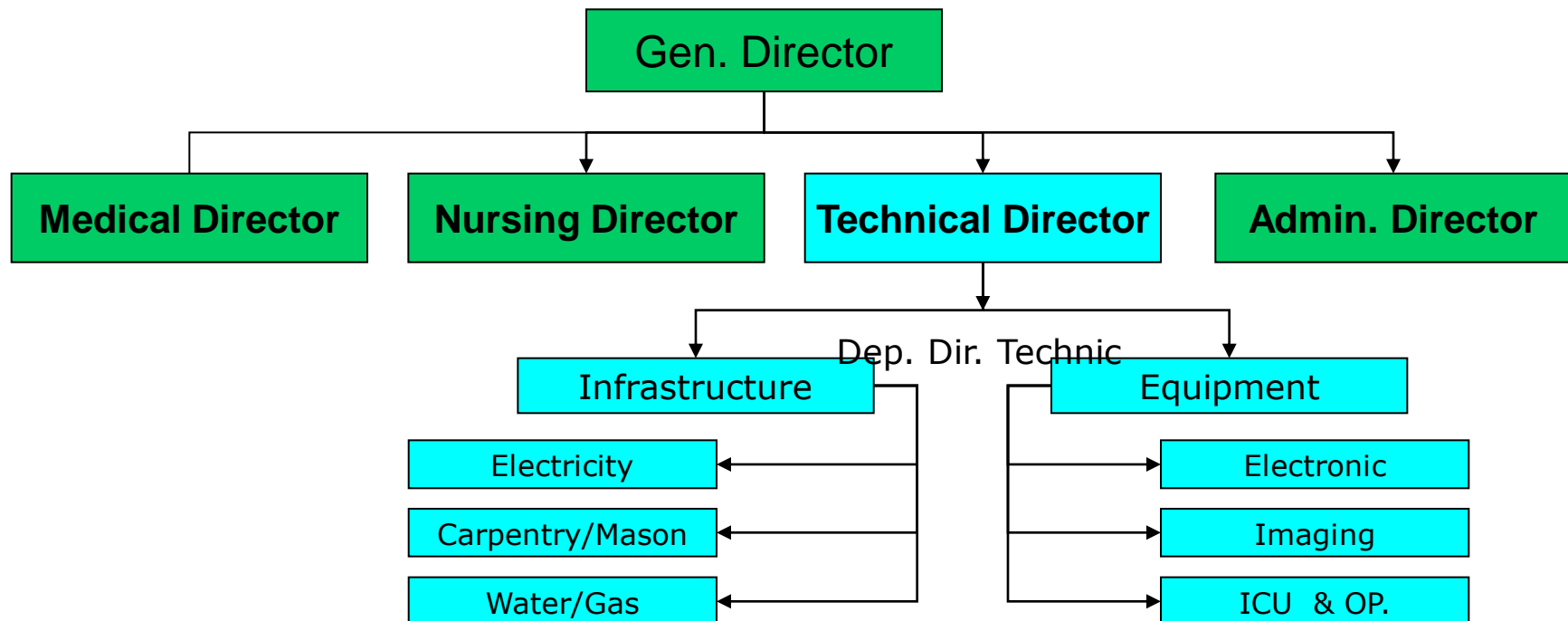
Position of HTM in Organogram MOH





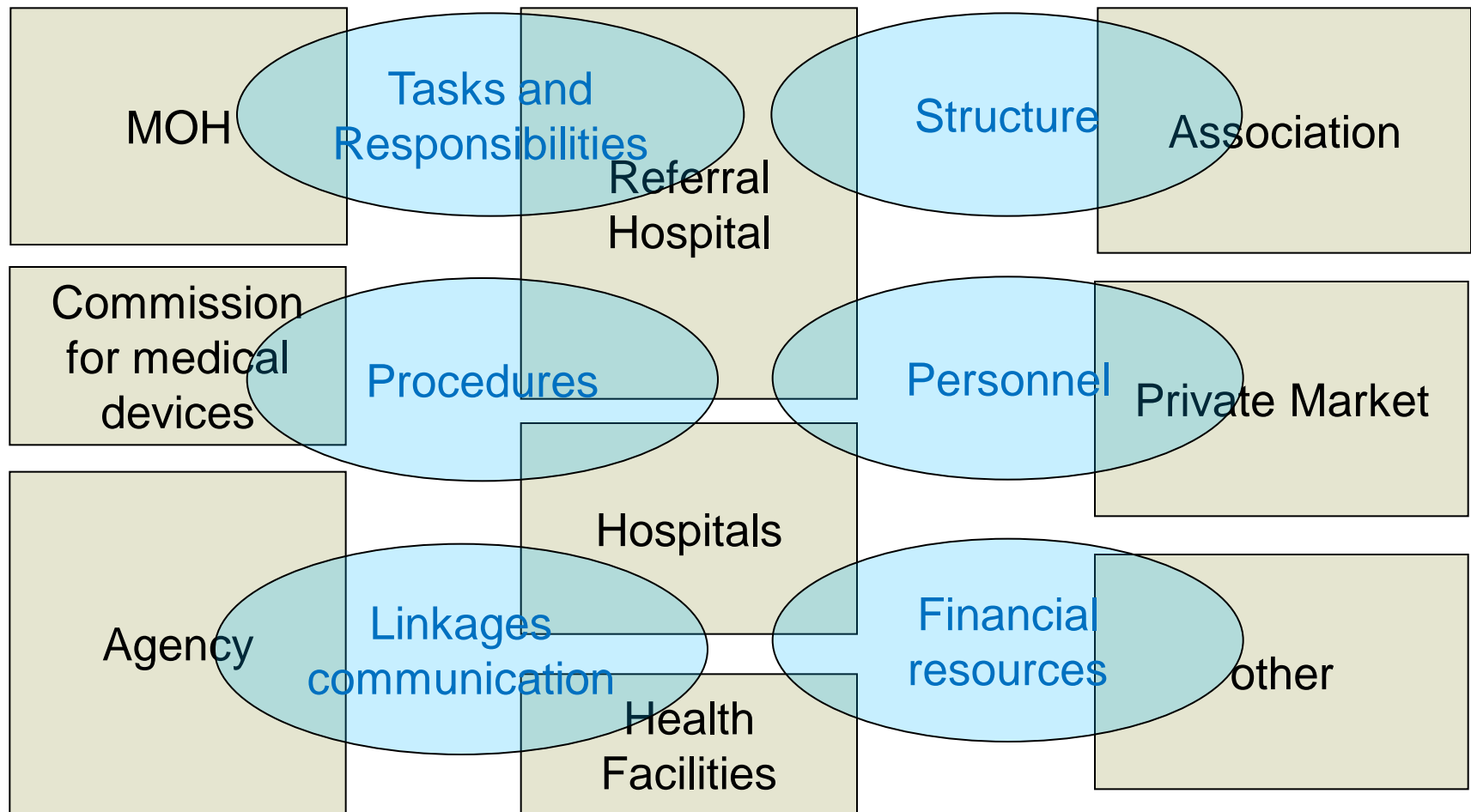
Adequate Structures/Organisation

Suggested Position of HTM in Organogram Hospital





Actors in the field of medical devices





HTM Policy Moldova, Approach

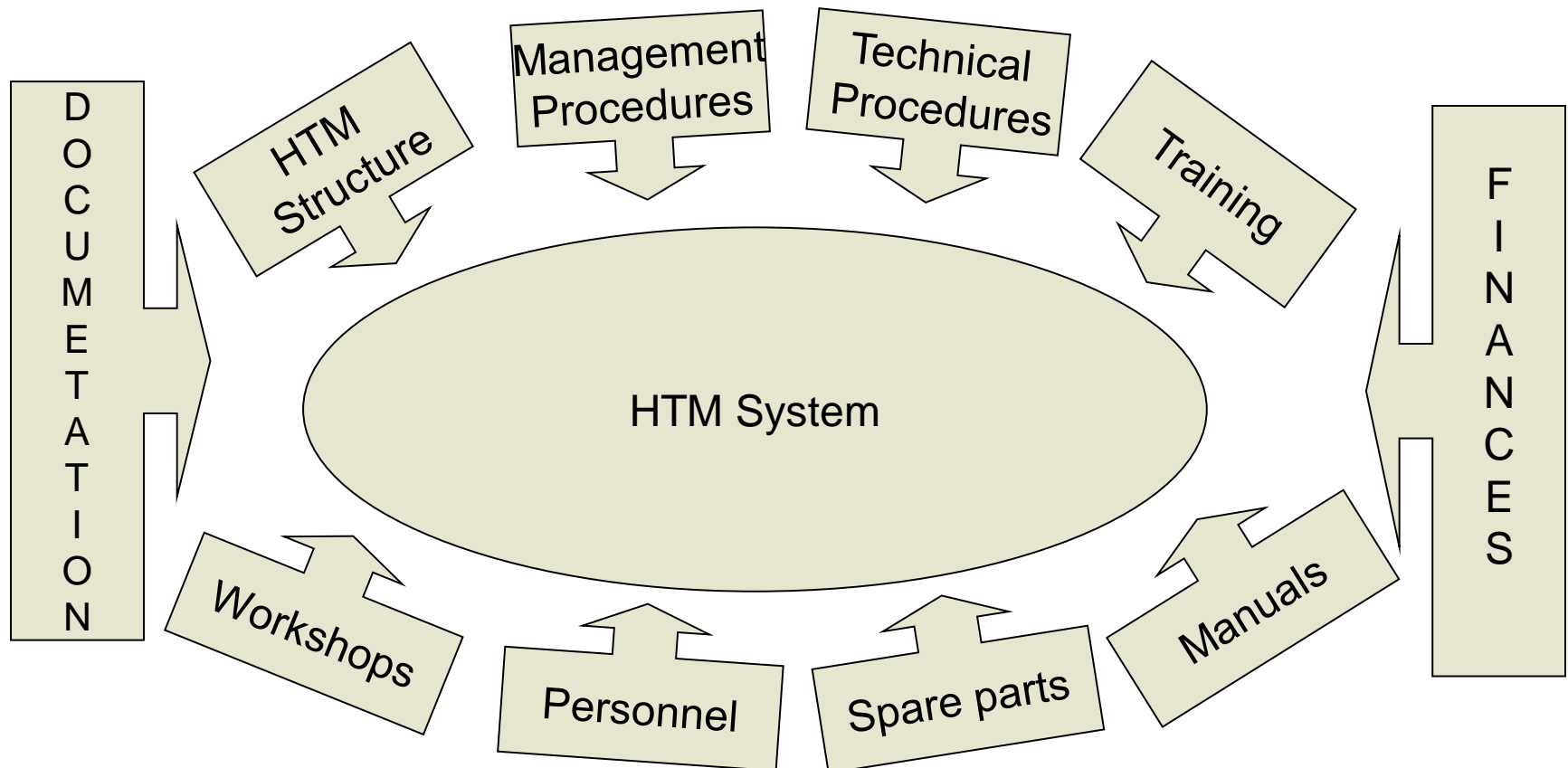
- complete analysis of situation
 - existent law, rules, regulations
 - problems encountered by pilot workshops
- analyse stakeholders
 - who has what interest in HTM
- outline structure/reference system for maintenance
- personnel policy



HTM Policy in Moldova, practical focus

- Structure / Organigram for HTM in Moldova
 - MOH, Hospitals, linkage, responsibilities
 - technical support centre
- Personal (number/qualification/responsibility per level), posts, Job description, scheme of service
- Procurement (responsibility, procedure)
- Financing HTM – central, hospitals, budget, budget lines, etc

Country HTM Policy

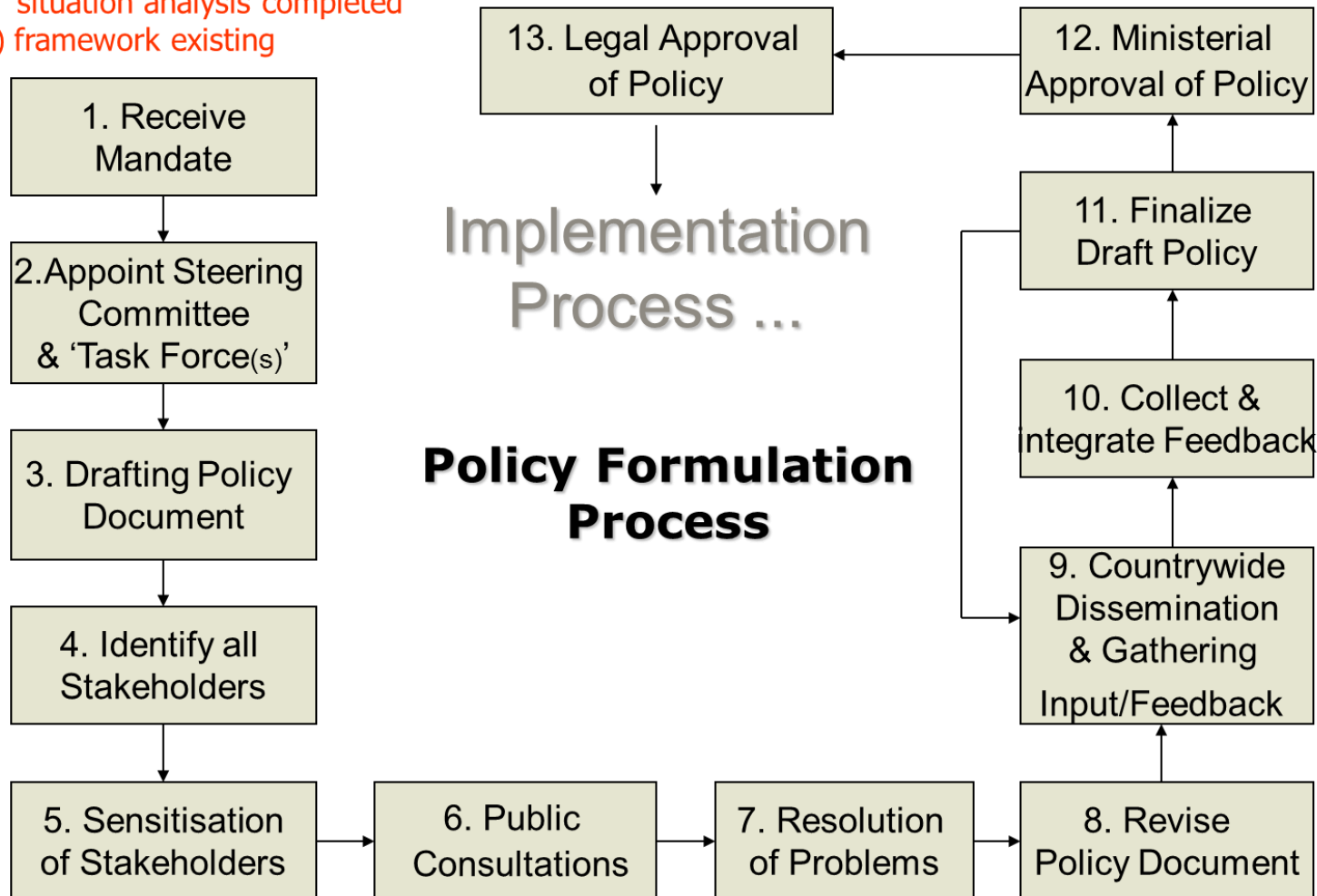




Policy Formulation Process (as per WHO)

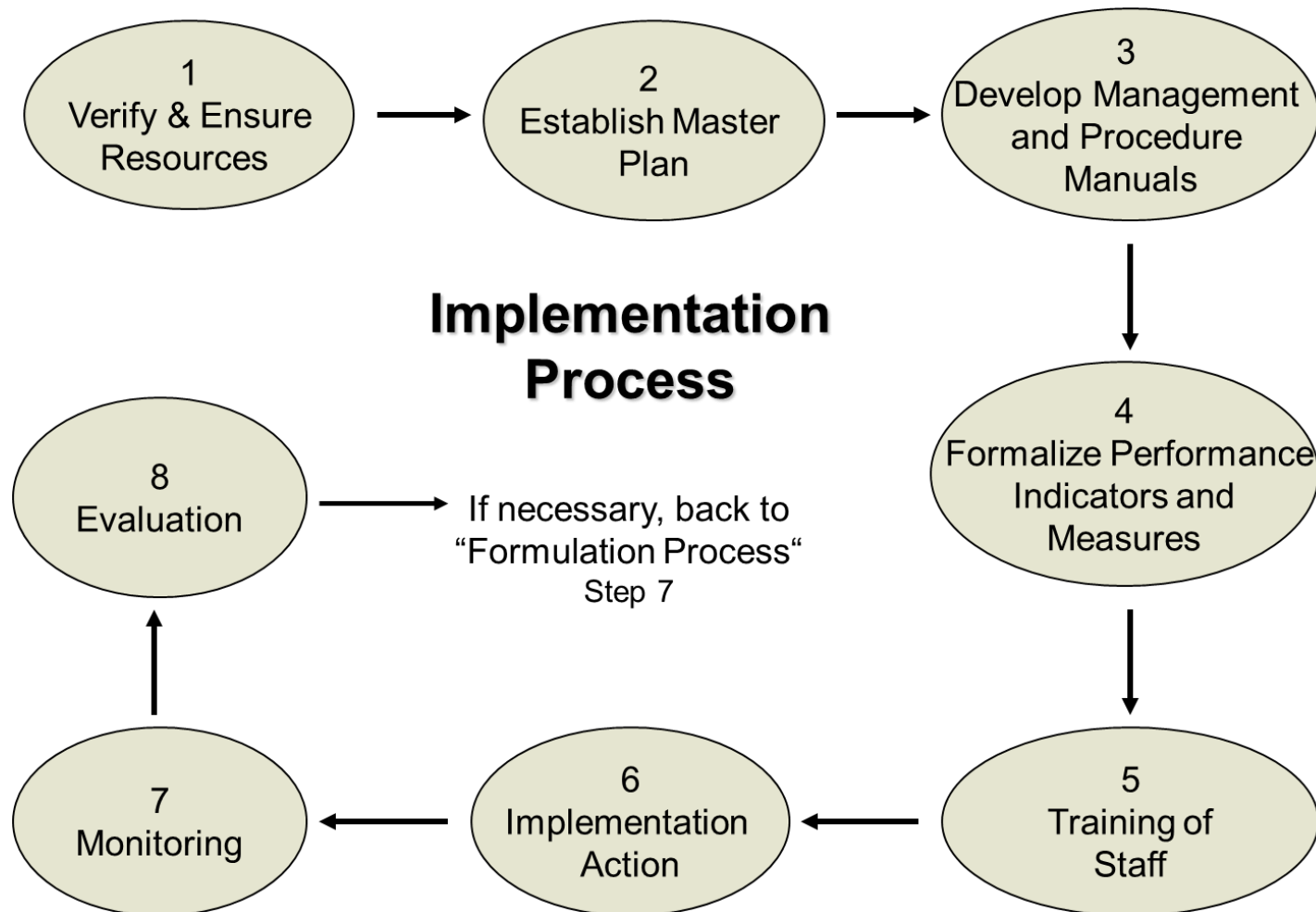
Pre-condition:

- (i) situation analysis completed
- (ii) framework existing





Policy Implementation Process (as per WHO)





HTM Workshop in Chisinau, Moldova