

Overview of TEST steps and tools



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



The SwitchMed Programme is
funded by the European Union

Sustainable Production tools & the Management Pyramid

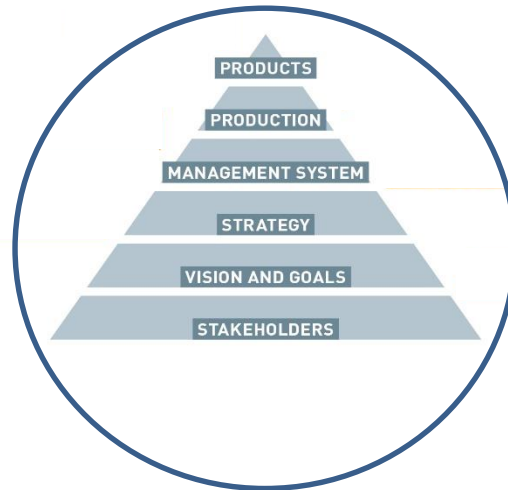


Stand-alone implementation of any of the above-mentioned tools
(although effective in identifying particular improvements)
can easily lead to sub-optimization of solutions

TEST Step by Step - PLAN

	Step	Purpose
 PLAN	1.1. Initial screening	Initial screening: go/no-go for TEST
	1.2 Scoping and Policy	Top management commitment to RECP and scope of the work
	1.3 TEST team	Plan, organize and train internal company team (as well as external team, if created).
	1.4 Identifying total cost of NPO and priority flows	Starting the diagnosis: Identify the non-product output (NPO) costs and volumes at company system boundary.
	1.5 Setting up focus areas	Continuing the diagnosis: identify focus areas at the level of production steps (e.g. cost centres).
	1.6 Revealing sources and causes of inefficiency	Concluding the diagnosis: identify sources and reveal root causes of inefficiency and pollution within focus areas.
	1.7 Option generation and feasibility analysis	Broadening the scope of possible improvement solutions and techno-economic analysis of a set of optimized feasible measures
	1.8 Action plan	Plan of actions for implementing and monitoring validated measures.

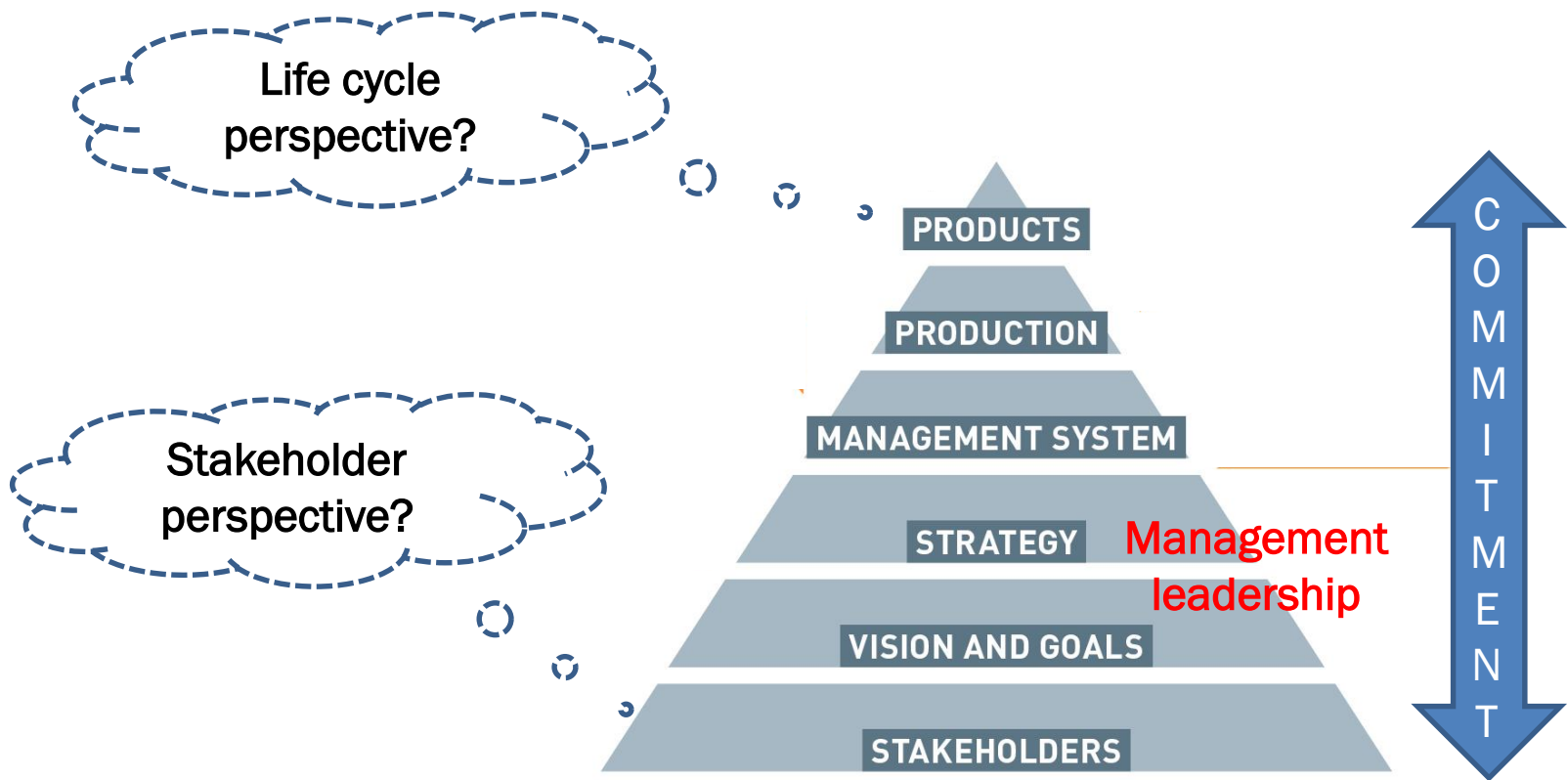
1.1 Initial Screening



POTENTIAL
+
COMMITMENT

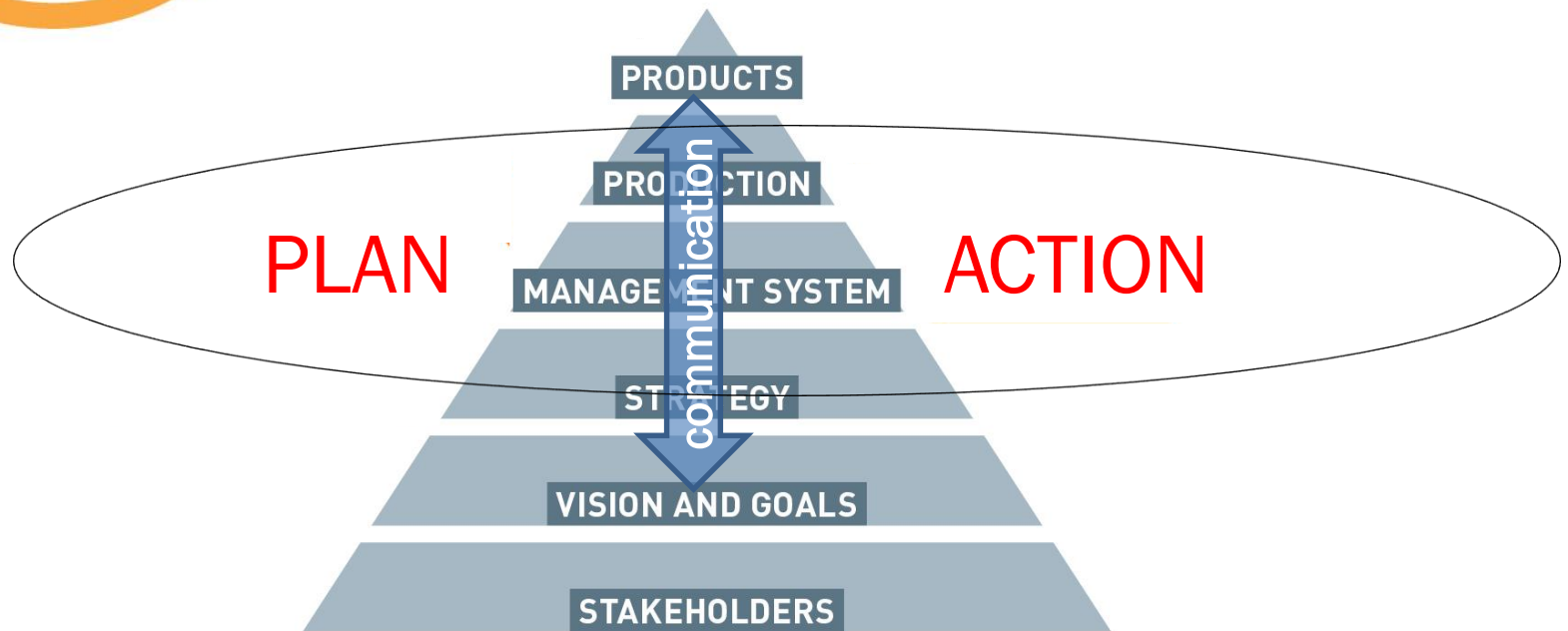
GO/ NO GO

1.2 Scoping and policy






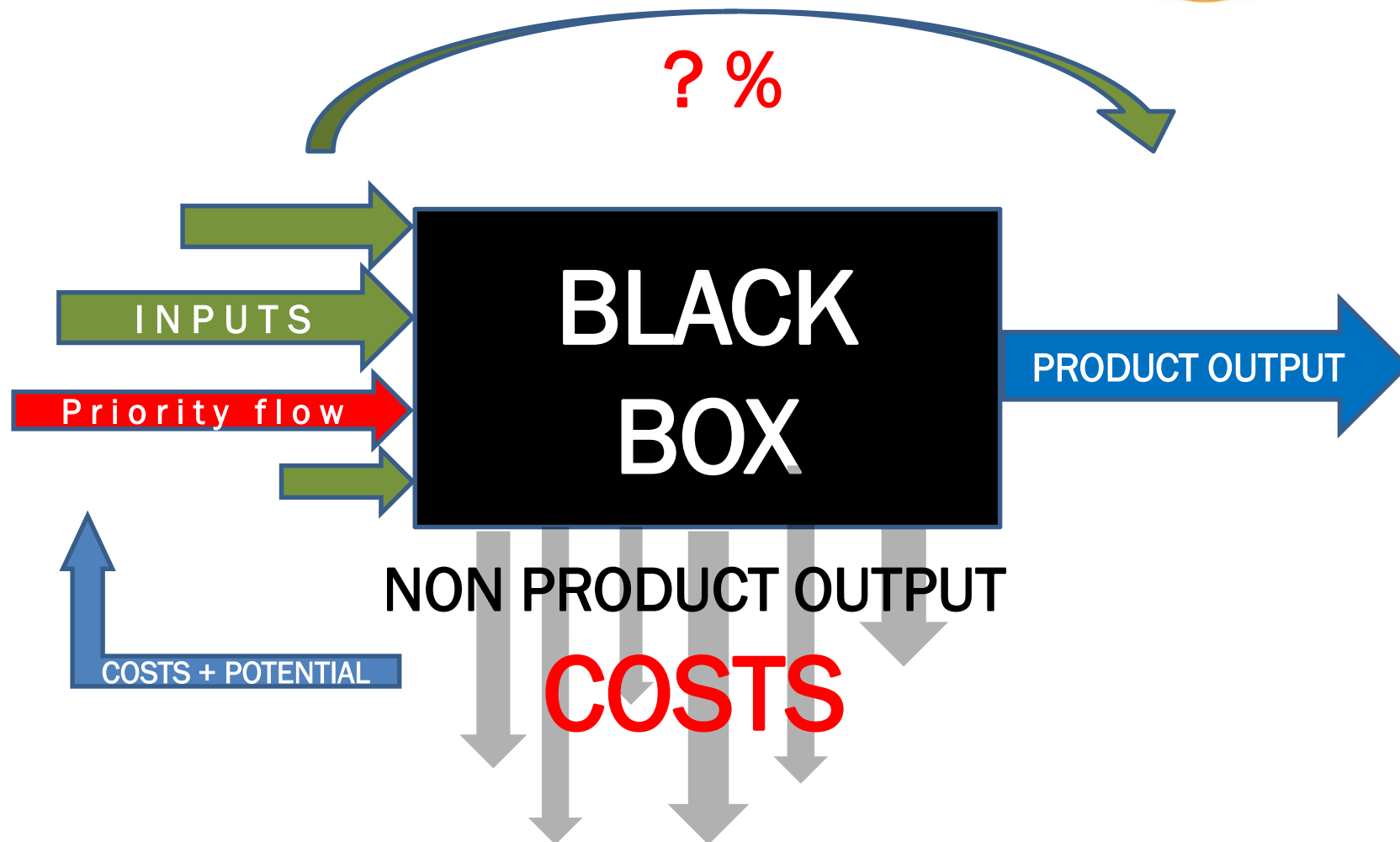
1.3 TEST Team



TEST Step by Step - PLAN

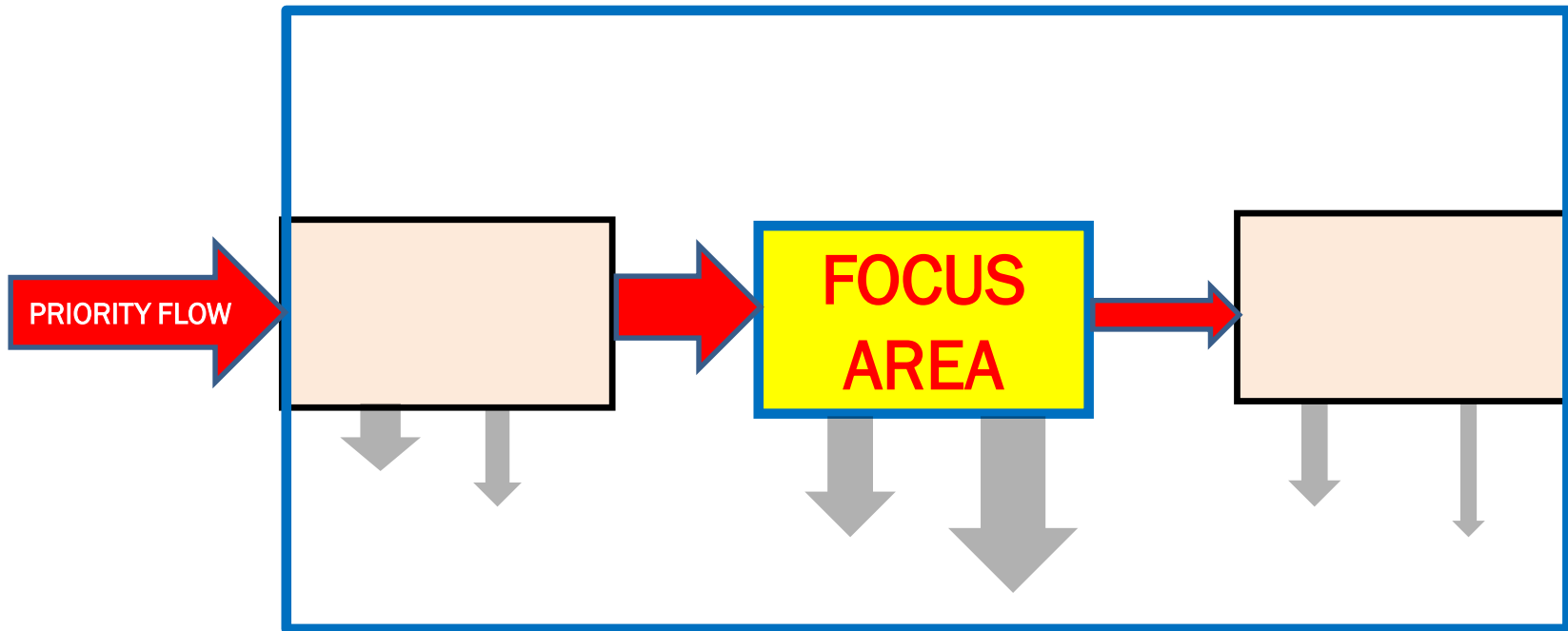
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1.4 Priority flows



1.5 Focus areas

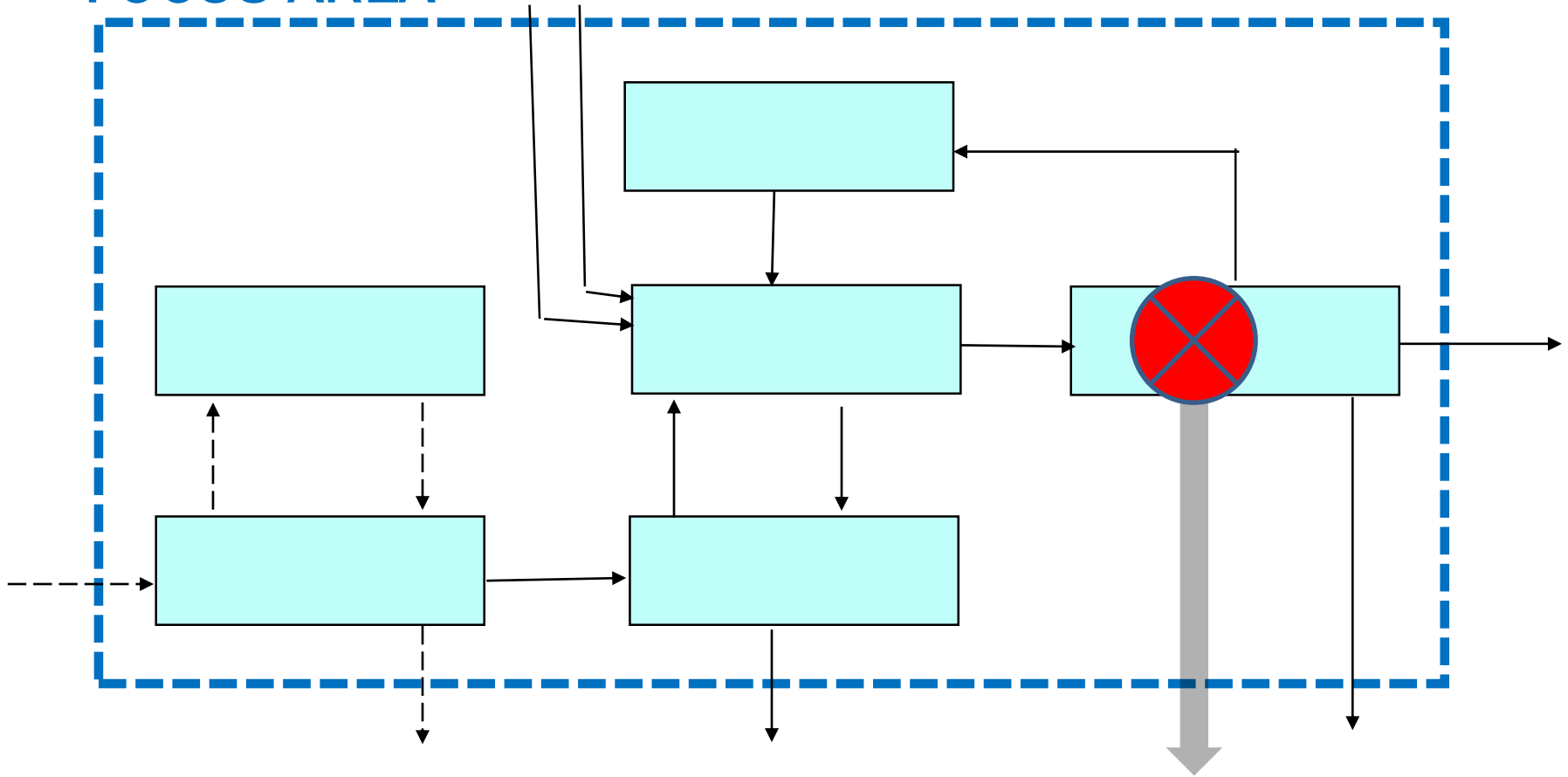
COMPANY



1.6 Sources and causes of inefficiency

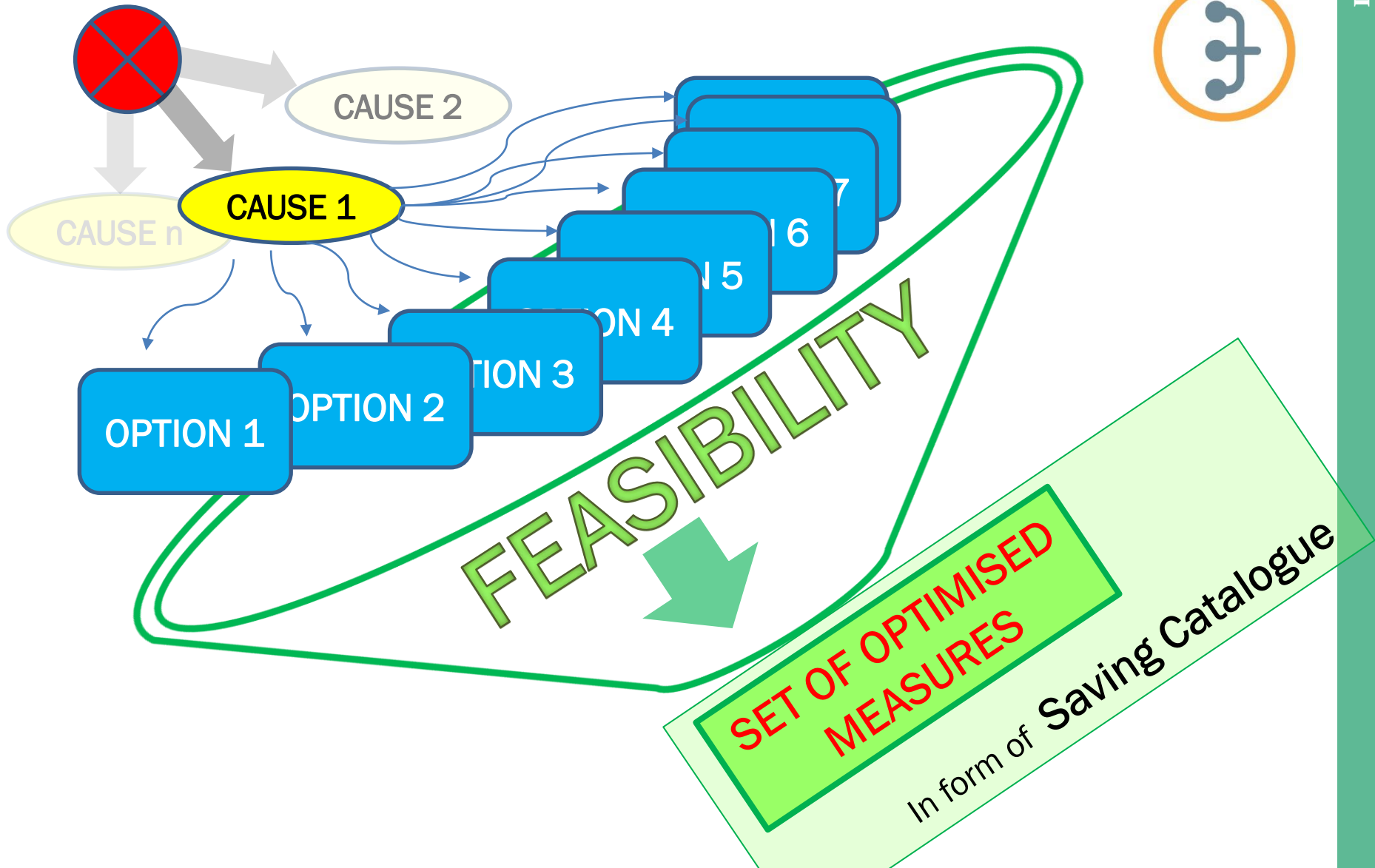


FOCUS AREA



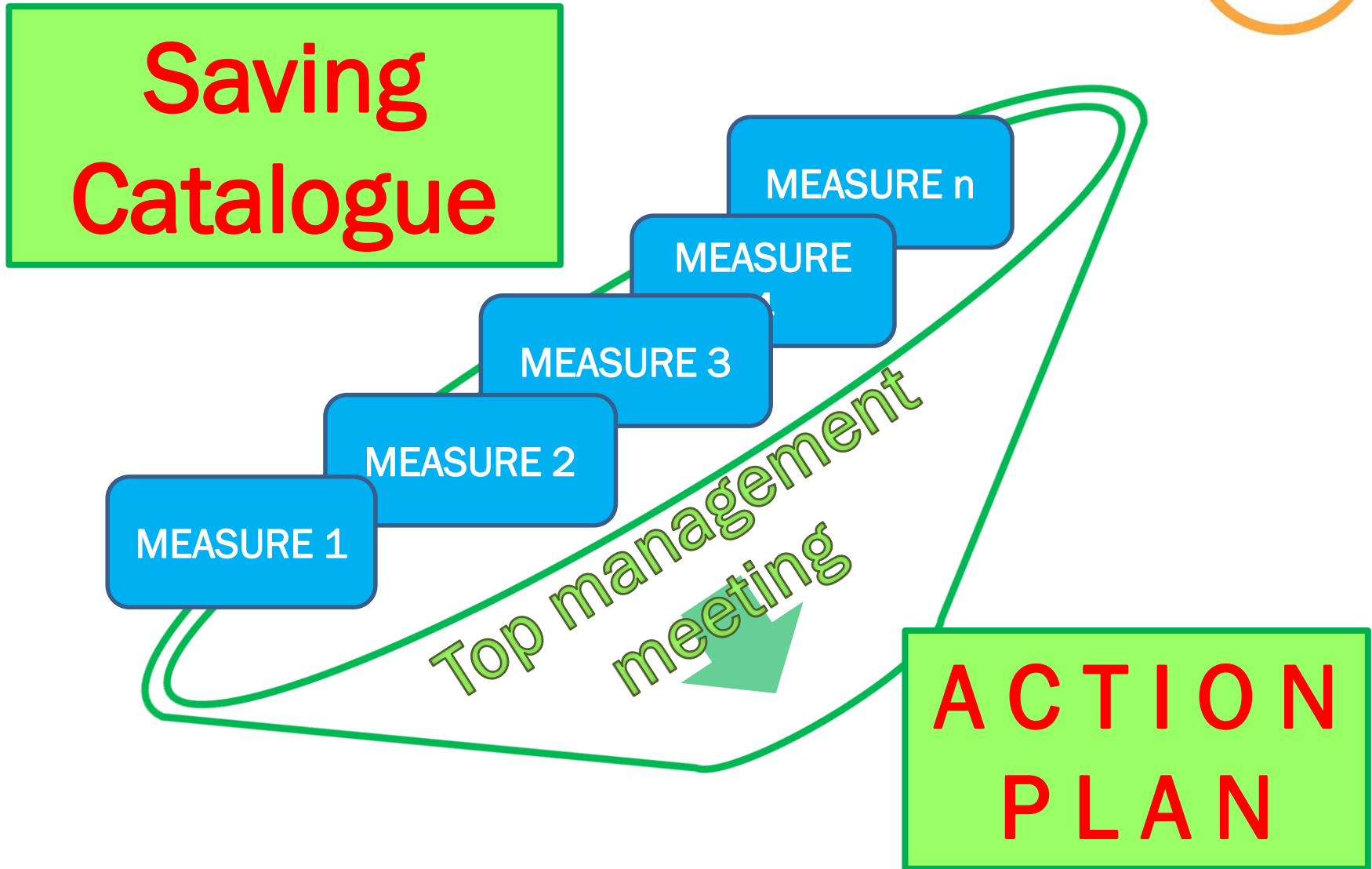
1.7 Option generation and feasibility analysis

source

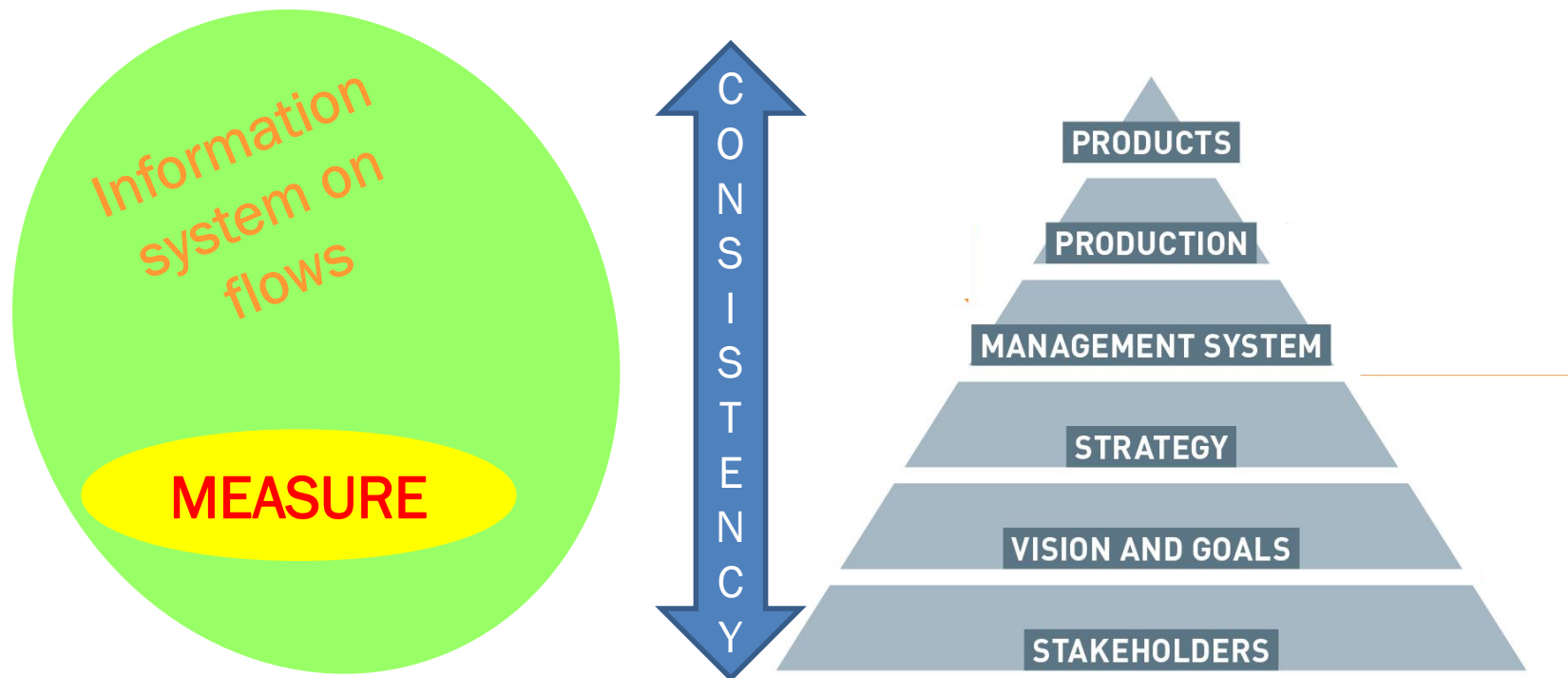




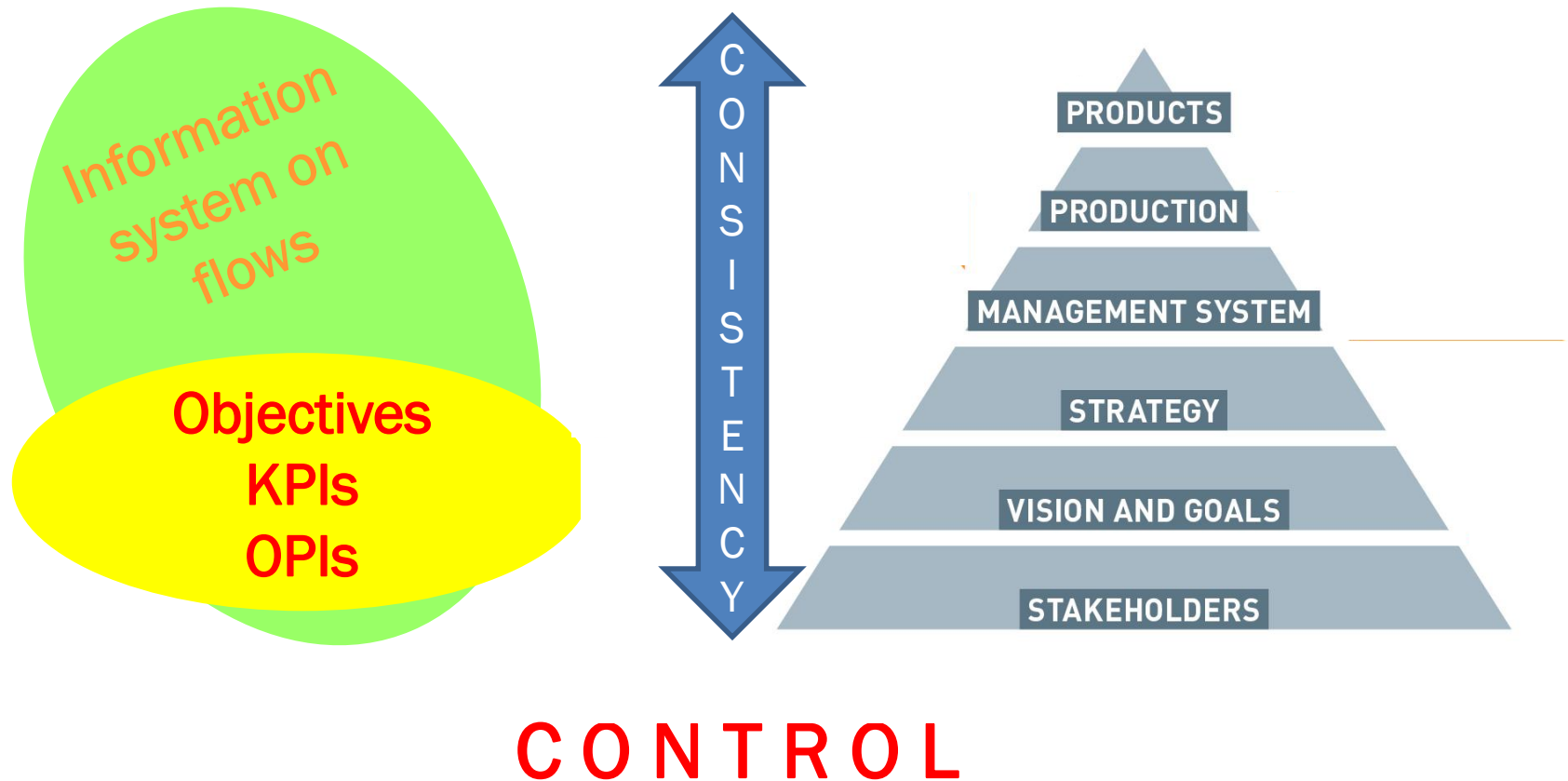
1.8 Action Plan



2. Support and operation



3. Performance evaluation



4. Improvement



No.	Step	TEST TOOLS
1.1	Initial Screening	Initial Screening template
1.2	Scoping and policy	Stakeholder Analysis; Policy checklist; Life Cycle Perspective checklist
1.3	TEST team	TEST training and awareness raising plan
1.4	Identifying NPOs costs and the priority flows	MFCA manual MFCA excel tool
1.5	Setting up focus areas	MFCA excel tool; MFCA manual; Energy Mapping excel tool; Monitoring and Targeting tool
1.6	Revealing sources and causes of inefficiency	Energy Mapping excel tool; Fishbone diagram
1.7	Option generation and feasibility analysis	Sector specific manuals and BREFs; Financial Metrics Light Template for reporting results of feasibility analysis Checklists for Energy Audit and Sustainable Design
1.8	Action plan	Action Plan template; Monitoring Plan template Monitoring and Targeting Tool
2	Support and operation	Action Plan
3	Performance evaluation	MFCA excel tool; Energy Mapping excel tool Monitoring and Targeting tool; Monitoring Plan
4	Improvement	Life Cycle Perspective checklist; Policy checklist Stakeholder Analysis