

On-line Training on Science, Technology and Innovation (STI) Policy and Policy Instruments for SDGs for the SADC Region



SUSTAINABLE
DEVELOPMENT
GOALS

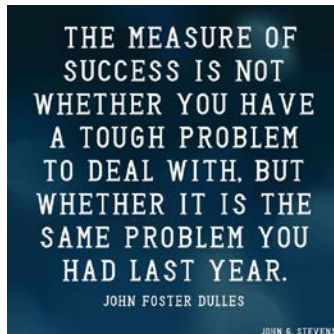
Session 5 Monitoring and Evaluation of STI policies in the context of the SDGs

-key concepts

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10 December 2021



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Questions for thoughts

Why quantitative indicators alone are not enough for evidence-based policies ?

How contextual factors, governance and implicit policies influence STI Systems ?

Why policies and resources are not all we need ?

What way forward to build inclusive STI systems ?

Why we need data? Targets and progress made



(1) CZ, UK: R&D intensity targets are not available. (2) IE: The R&D intensity target is 2.5% of GNP which is estimated to be equivalent to 2.0% of GDP.
 (3) PT: The R&D intensity target is between 2.70% and 3.30% (3.00% was assumed). (4) LU: The R&D intensity target is between 2.30% and 2.60% (2.45% was assumed).

Key issues on M&E of STI Policies

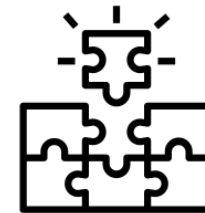
Evidence-based policymaking



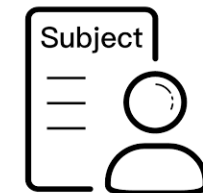
Policy making as a learning process,
learning by experience



Monitoring vs Evaluation : two
complementary processes



Subject for M&E



What is an Evidence-based policy?



Why evaluating?



Evaluation practices

- For accountability—delivering on political promises
- For advocacy —convincing by using evidence from findings
- For learning purposes —reporting findings to help organizational learning
- For analysis and identifying gaps —seeing what works, what does not, and why
- For building institutional memory
- For multi-stakeholders engagement - through a participatory process
- For gaining support —demonstrating results to help gain support among stakeholders
- For building understanding—reporting results to enhance understanding of projects, programs, and policies.

Evaluation gives evidence of why outcomes are or is not being achieved and attempts to provide a causal account.

Evaluation Methods

Quantitative: Cost-benefit analysis;
Randomised Trials

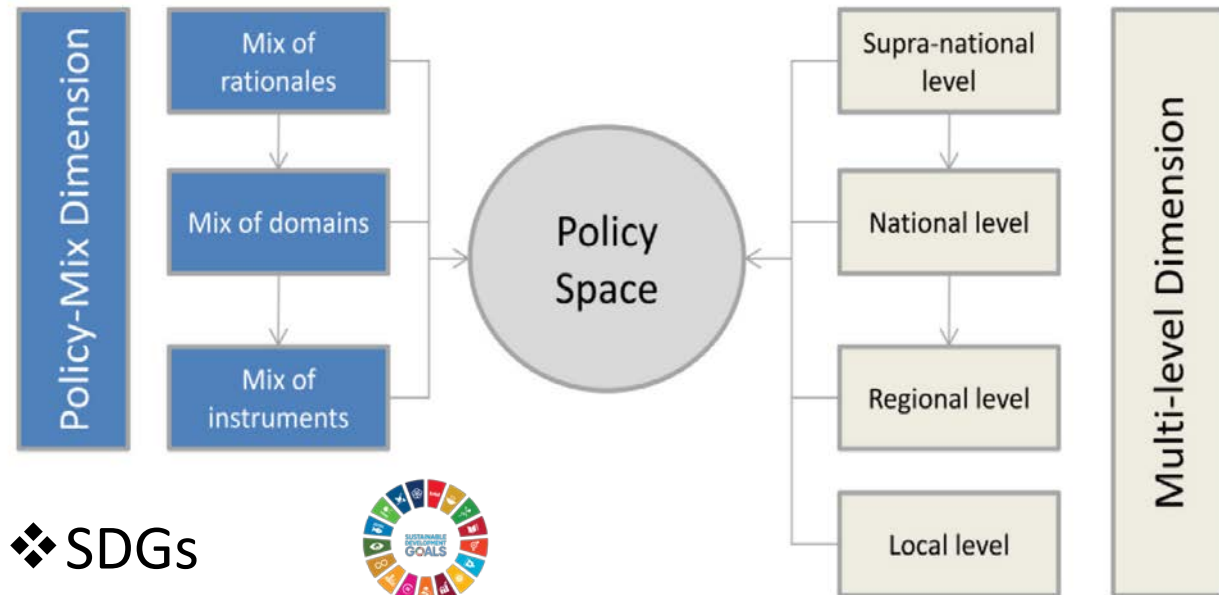
Case studies; user surveys; interviews; peer reviews; focus groups



STI Policy Settings and Implications for M&E

Different Paradigms

❖ Policy Mix



❖ SDGs



❖ M&Es





Challenges at Monitoring and Evaluating STI Policies

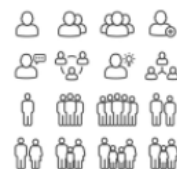
STI Specific Challenges in STI Policies and M&E



complex cause -
effect relationship



Multiple goals



Variety of agents,
interactions



Unclear assumptions
about innovation models

M&E

- simple cost-benefit ratio of individual measures does not deliver
- more instruments to assess and stakeholders to inform
- Real risk of under-evaluation
- tension complexity / system vs. (simple) accountability

Key Take away message

M&E is key, it's a learning process, individual and institutional

Monitoring and Evaluation work in tandem

Monitoring for information on where we are; Evaluation for evidence about achievements of outcomes - provides a causal account

M&E has the objective to create virtuous policy cycles

M&E should consider that Policy making is not linear process

M&E framework need to be developed as part of the STI policies

Thank you

