

Session 4:

### **STI Policy Monitoring and Evaluation**

### Overview on conceptual issues on STI policy monitoring and evaluation

Manuel Ricardo GALINDO MORENO STI Policy Expert



On-line training session on STI policy and policy instruments for SDGs for Asia and the Pacific November 18-21

UN-IATT Workstream 6 on Capacity-Building in STI for SDGs

#### **TECHNOLOGY** IN TEM ATT Works Stream 6: Capacity-building for STI How to participate in Mentimeter quiz?

#### Option 1:

### Scan the QR code





QR Code for Session 4

#### Option 2:

### Go to the chat on Zoom and click on the link provided



Please participate in Mentimeter quiz in Session 4 using this link :<u>https://www.menti.com/alye7rb8evsb</u>

∽ 😅 …



#### Participation is required, participation is anonymous



### Why M&E Matters: Driving Policy Success

## $\overleftrightarrow$

### Accountability

M&E demonstrates how resources are used and managed to stakeholders, ensuring transparency in STI initiatives

Resource Alection budget decisions, ensuring efficient use of resources in STI.

### Effectiveness

M&E demonstrates policy performance and impact, measuring how well objectives are being achieved in STI initiatives



Knowledge Bysiediang evaluation creates a valuable knowledge base for future STI policy design.



### Monitoring & Evaluation: Definitions

### Monitoring

<u>Continuous</u> data collection on specified indicators <u>to track</u> <u>progress</u> and resource utilization in STI policies.

### Evaluation

Systematic assessment of STI policy relevance, efficiency, effectiveness, impact, and sustainability to inform decision-making.

Source: Adapted from OECD (2023), Glossary of Key Terms in Evaluation and Results-Based Management for Sustainable Development (Second Edition)



### Monitoring & Evaluation: Key Differences

Dimension	Monitoring Policies	Evaluating Policies
Frequency	Ongoing (leading to operational decision-making)	Episodic (leading to strategic decision-making)
Scope	Broad (questions anticipated in the policy design)	Issue-specific
Data collection	Routinised	Customised
Attribution	Assumed	Questioned
<b>Resource allocation</b>	Part of infrastructure	Project-specific
Information use	Flexible/evolving use	Predetermined/negotiated use

Source: Adapted from OECD (2020), *Improving Governance with Policy Evaluation: Lessons From Country Experiences* 



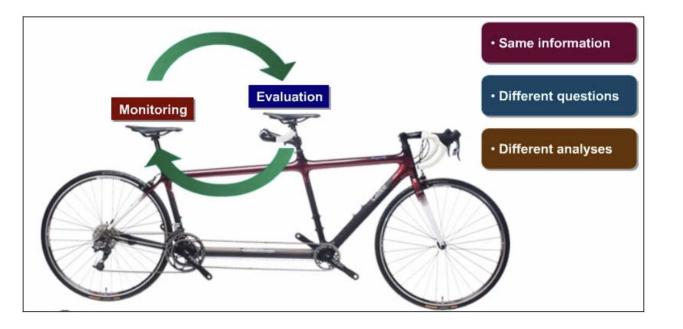
## Monitoring & Evaluation: Synergies

#### **Complementary functions:**

 Monitoring tracks progress, while evaluation explains why progress is (or isn't) being made in STI.

### Sequential and informational complementarity:

- Monitoring data can inform evaluation questions, and evaluation findings can identify new areas for monitoring in STI.
- Both can use the same data but ask different questions.





# Understanding Monitoring: Tracking progress

**Purpose of Monitoring:** 

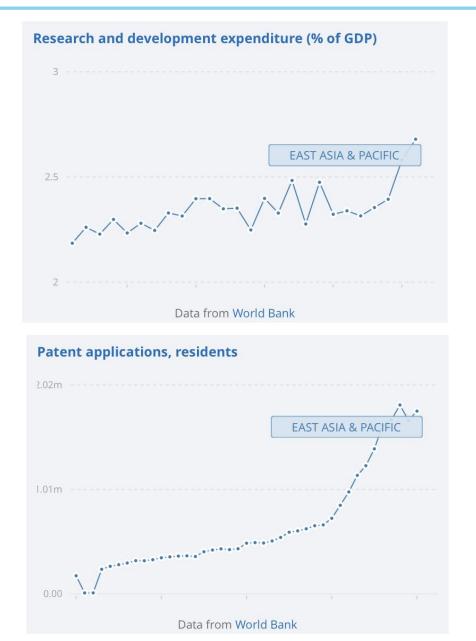
- To track progress towards achieving STI objectives
- identify deviations from planned targets, and
- provide timely information for decision-making.



### Understanding Monitoring: Tracking Progress

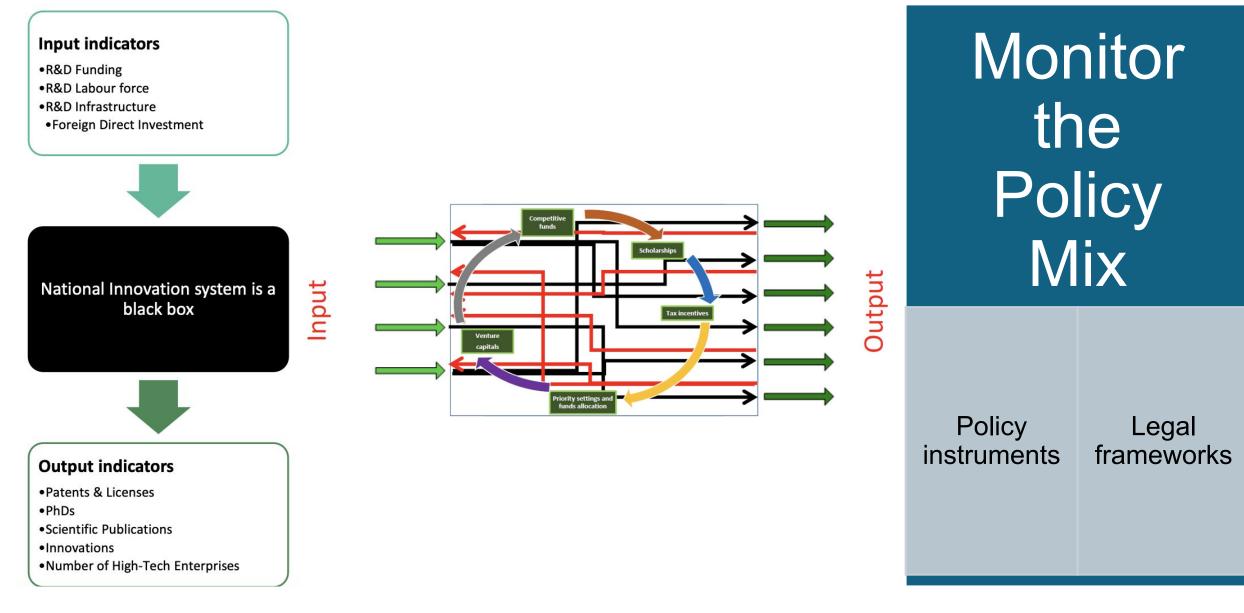
### • Key Elements of Monitoring:

- Defining clear indicators,
- establishing baselines,
- setting targets,
- collecting data regularly,
- analyzing trends, and
- reporting findings.





## Understanding Monitoring: More than quantitative indicators





Causality Gap It does not provide evidence that the change has been caused by the given policy or intervention 2 Process Opacity It does not show how changes are happening

### 3 Design Assessment

Limitations what is good and bad about the design of the program or policy



# Understanding Evaluation:

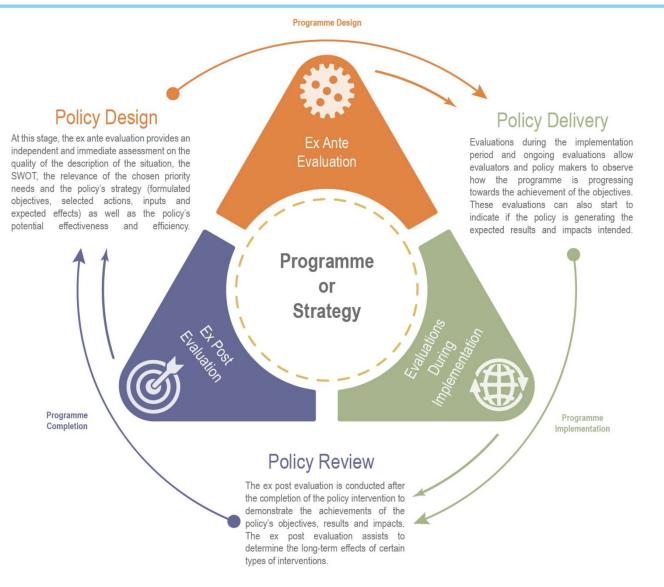
**Purpose of Evaluation:** Exploring causal links between policies and their effects.



- Strategy: are the right things being done?
  - Rationale or justification
  - Clear theory of change
- Operations: are things being done right?
  - Effectiveness in achieving expected outcomes
  - Efficiency in optimising resources
- Learning: are there better ways?
  - Alternatives
  - Best practices
  - Lessons learned



### Understanding Evaluation: Types of evaluation



Source: EC (2021). The role of monitoring and evaluation in the policy cycle. https://enrd.ec.europa.eu/evaluation/back-basics/role-monitoring-and-evaluation-policy-cycle\_en



## Systematic analysis of the lasting or significant changes in people's lives brought about by STI policy intervention

- Key Features:
  - Attribution focus
  - Counterfactual analysis
  - Long-term perspective
- Methods:
  - Experimental (Randomised Controlled Trials)
  - Quasi-experimental
  - Theory-based approaches



### Key Takeaways: STI policy monitoring and evaluation

### Complementary

**Redeg**hise that monitoring provides information about current status, while evaluation establishes causal links. **These functions work in tandem** to create a comprehensive understanding of policy impacts.

#### Integrated

**Deactor WORK** frameworks as integral components of STI policies from the outset. This integration ensures that evaluation criteria are aligned with policy objectives and that appropriate data collection mechanisms are in place.

Capacity

**Building trengthening the skills and resources** of government to conduct effective M&E. This includes providing training, developing specialized tools, and fostering a culture of evidence-based policymaking.

#### Transparent

Communication results openly to build public trust, demonstrate accountability, and justify resource allocations for STI policies.



## Thank you

Manuel Ricardo GALINDO MORENO

mr.galindo-moreno@unesco.org

UNESCO

#### **TECHNOLOGY** IN TEM ATT Works Stream 6: Capacity-building for STI How to participate in Mentimeter quiz?

#### Option 1:

### Scan the QR code





QR Code for Session 4

#### Option 2:

### Go to the chat on Zoom and click on the link provided



Please participate in Mentimeter quiz in Session 4 using this link :<u>https://www.menti.com/alye7rb8evsb</u>

∽ 😅 …



#### Participation is required, participation is anonymous