



Current Approaches to STI
Policy Making in the
Context of SDGs

2nd session

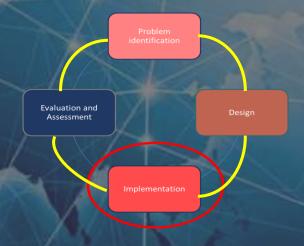
Science, Technology and Innovation (STI) Policy Instruments: Implementation Challenges



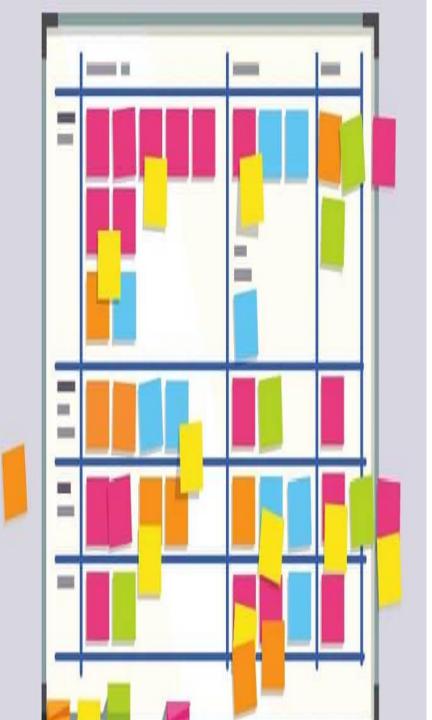
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What is STI policy Implementation?

☐ Implementation is the stage of STI policy cycle where policy instruments are executed or operationalized



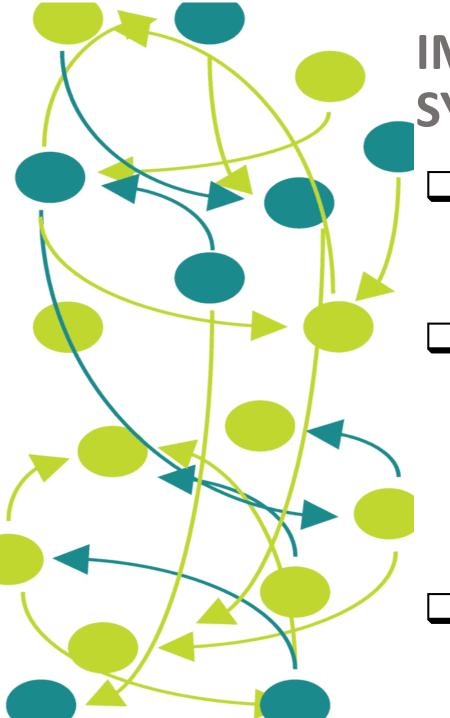
- ☐ Characteristics of the Implementation Stage
 - Proof of concept and learning
 - Social and Political
 - Change process
 - Managerial



IMPLEMENTATION CHALLENGES: PLANNING



- ☐ STI Roadmap: list all the necessary long, middle, short term and operational actions
- ☐ Set:
 - Calendars
 - Roles and responsibilities
 - Targets and performance indicators
 - Costing



IMPLEMENTATION CHALLENGES: SYSTEMS APPROACH

- Assess the current social, economic, and political (SEP) environment and how to adapt to it
- ☐ Identify:
 - Inputs and outputs
 - Key STI actors
 - SEP relations between key STI actors
 - SEP effects and repercussions
- Examine and assess the interactions of all the above aspects of the STI system

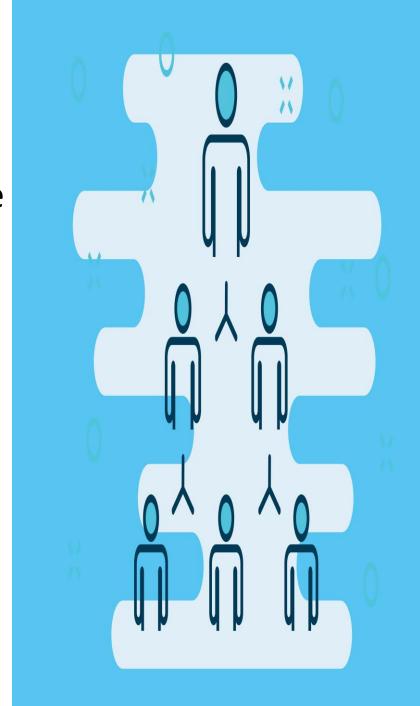
IMPLEMENTATION CHALLENGES: LEADERSHIP AND COMMITMENT

- Ensure
 - Top Presidential or parliamentary priority
 - Top Ministerial priority
 - Champions
- ☐ Draw on STI bureaucracy
 - Influence and advocate
 - Create leadership and commitment
- ☐ Build on committed personnel



IMPLEMENTATION CHALLENGES: GOVERNANCE

- ☐ Introduce an overall representative STI multistakeholder consulting/decision making instance
- ☐ Establish:
 - A body with the overall responsibility for implementation
 - The subordinate duties, structures and joint tasks
 - Intra and interorganizational teams
 - Clear accountabilities
- ☐ Transparency:
 - Full information
 - Clear and accessible processes and related rules



IMPLEMENTATION CHALLENGES: COORDINATION

- ☐ Achieving successful STI policy implementation often depends significantly non-STI actors or actions, which all need
- Create
 - Multi-stakeholders implementation committees, working groups and teams
 - Selection mechanisms that ensure relevant organizations are involved
 - Rotating managerial responsibilities
 - Focal points across implementation agents
- Follow-up on the tasks and ensure they are delivered as expected and in time

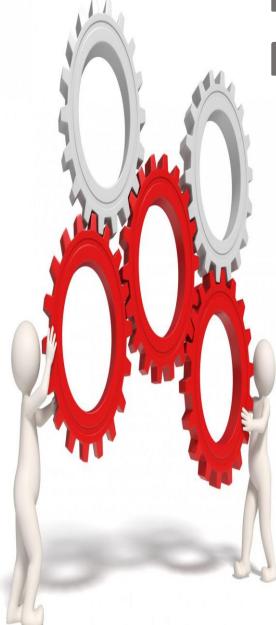


IMPLEMENTATION CHALLENGES: TRADITIONAL AND SOCIAL MEDIA AND INTERNET



- ☐ Identify media outlets that are used by the STI communities to disseminate information
- ☐ Begin a press and social media campaign
- ☐ Use internet platforms, facebook, tweeter, webpages and any available efacilities to facilitate the involvement of stakeholders
- ☐ Ensure that information provided is easy to understand, useful and comprehensive

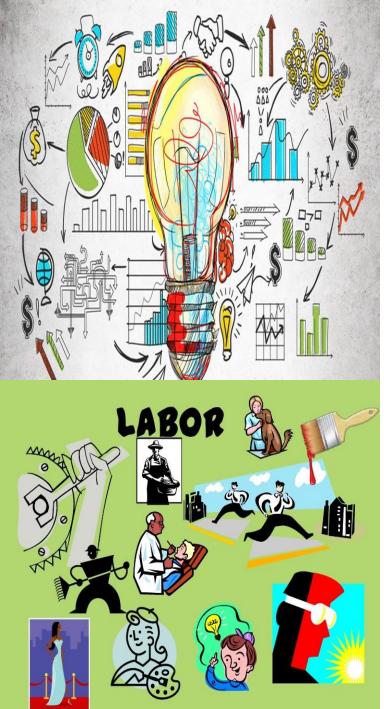




IMPLEMENTATION CHALLENGES: MANAGERIAL CAPABILITIES



- ☐ Entrust STI managers with driving the implementation stage of the policy process
- Introduce the required managerial capabilities:
 - Technical expertise
 - Holistic thinking
 - Problem solving
 - Social networks
 - Communicating
 - Influencing and convincing
 - Trustworthy and respect
 - Risk-taking
- ☐ Have available adequate implementation mechanisms: executive orders, administrative mechanisms, rules and regulations



IMPLEMENTATION CHALLENGES:

RESOURCES

- ☐ Ensure the necessary level of financial resources:
 - Consultants, studies, interviews, travel, meetings, software, communications, press, social media
- □ Obtain the right amount and mix of human resources
 - Managers
 - Experts
 - Support staff
 - Communications professionals
- ☐ Access to the required knowledge
 - Epistemic community
 - Policy Research
 - International Experiences
 - Consultancy companies/international organizations

FINAL REMARKS



- The extent of the implementation challenge depends on the degree of institutional sophistication in a particular country, although even the most advanced countries face implementation challenges
- The more elaborate an instrument is the more complex the implementation process needs to be. Conversely, for instruments that are less sophisticated and have less impact, a more straightforward approach can be taken.
 - During implementation stage complexities are more in the social, political and managerial processes than in the technicalities of the instruments
 - Implementation processes need time. Do not 'cut corners' or reduce the length of time processes demand for political expediency





Many Thanks

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