



“Are You Delivering Value For Money?”

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# MOSTI’s Initiatives on Social Innovation

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“Are You Delivering Value For Money?”

## Vision

"Discovering, developing and utilising STI for knowledge generation, wealth creation and societal well being towards achieving a high income advanced economy that is competitive, sustainable and inclusive"

## Mission

"To drive and manage STI for socioeconomic growth by intensifying creativity and innovation; strengthening market driven R&D; sourcing and diffusing new technology; developing and attracting talent; deepening STI awareness; and strengthening collaborations and partnerships"



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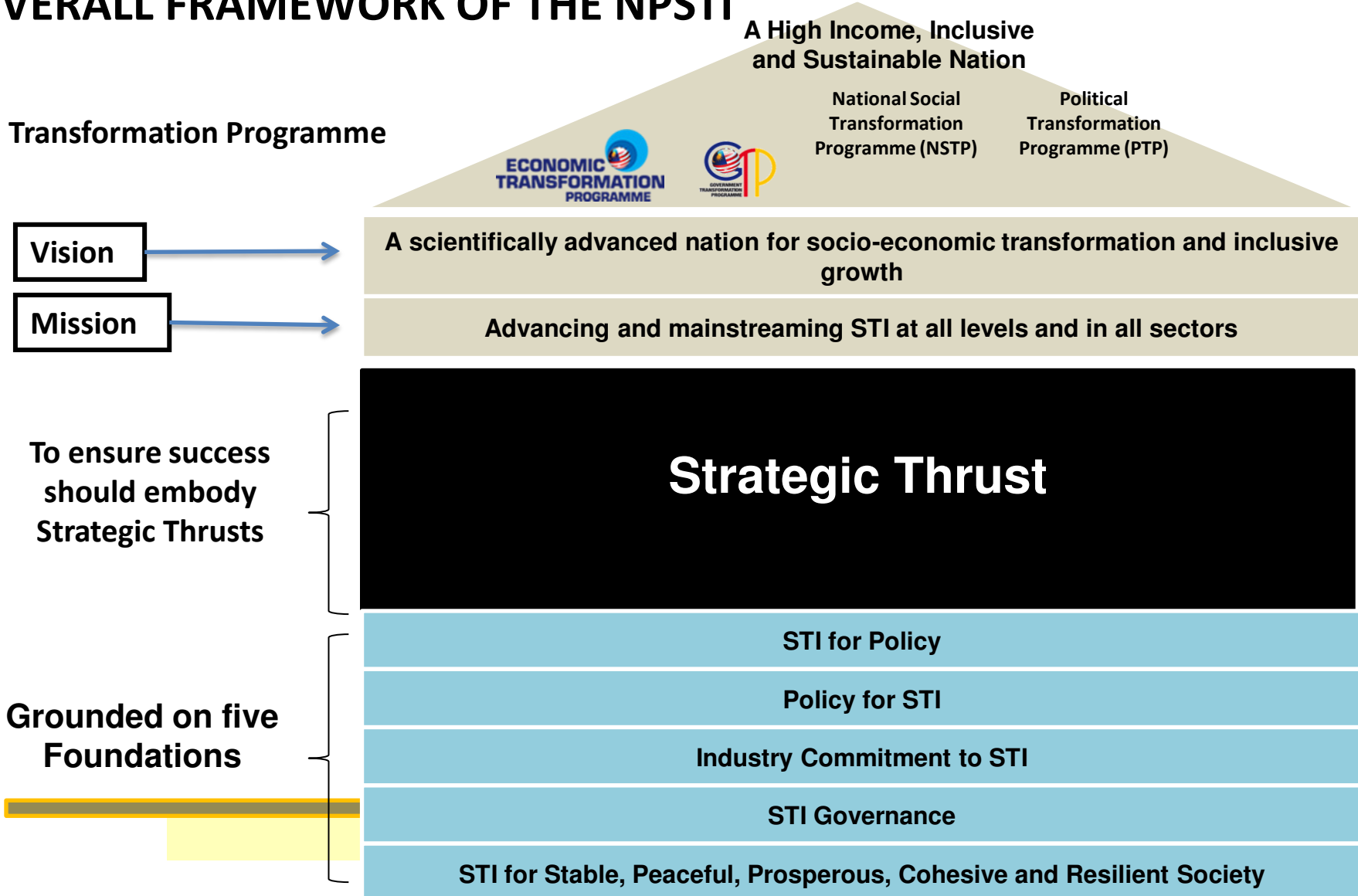


## THE NATIONAL POLICY ON SCIENCE, TECHNOLOGY & INNOVATION (NPSTI)

The New NPSTI describe the agenda to advance Malaysia toward a more competitive and competent nation built upon strong STI foundation. The policy is formulated based on the nation's achievement, challenges and lesson learnt. It chart new directions to guide the implementation of STI in creating a scientifically advanced nation for socio economic transformation and inclusive growth

# “Are You Delivering Value For Money?”

## OVERALL FRAMEWORK OF THE NPSTI



“Are You Delivering Value For Money?”

**THE 5 POLICY FOUNDATIONS SUPPORT THE 6 STRATEGIC THRUSTS**



**ST 1**

**ST 2**

**ST 3**

**ST 4**

**ST 5**

**ST 6**

**Advancing Scientific and Social Research, Development and Commercialisation**

**Developing, Harnessing and Intensifying Talent**

**Energising Industries**

**Transforming STI governance**

**Promoting and sensitising STI**

**Enhancing strategic international alliances**

# NATIONAL PRIORITY AREAS

## Priority Areas

*BIODIVERSITY*

*CYBER SECURITY*

*ENERGY SECURITY*

*ENVIRONMENT & CLIMATE CHANGE*

*FOOD SECURITY*

*MEDICAL & HEALTHCARE*

*PLANTATION CROPS & COMMODITIES*

*TRANSPORT & URBANISATION*

*WATER SECURITY*

## Enablers

*CROSS CUTTING TECHNOLOGIES*

*GREEN TECHNOLOGY*

*FUNDAMENTAL SCIENCES*

*SOCIAL SCIENCES AND HUMANITIES*

## What is Social Innovation

- ✓ Development and implementation of new ideas (products, services or model) to meet social needs and create social relationship and collaborations.
- ✓ It is aim at improving human well being
- ✓ Social innovations are innovations that are social in both their ends and means

- ✓ Inventiveness of citizens
- ✓ Civil society of organisation
- ✓ Local communities
- ✓ Businesses
- ✓ Public servants and services

These  
rely on

A large blue arrow pointing from the text 'These rely on' towards the list of factors.



## What is Social Innovation

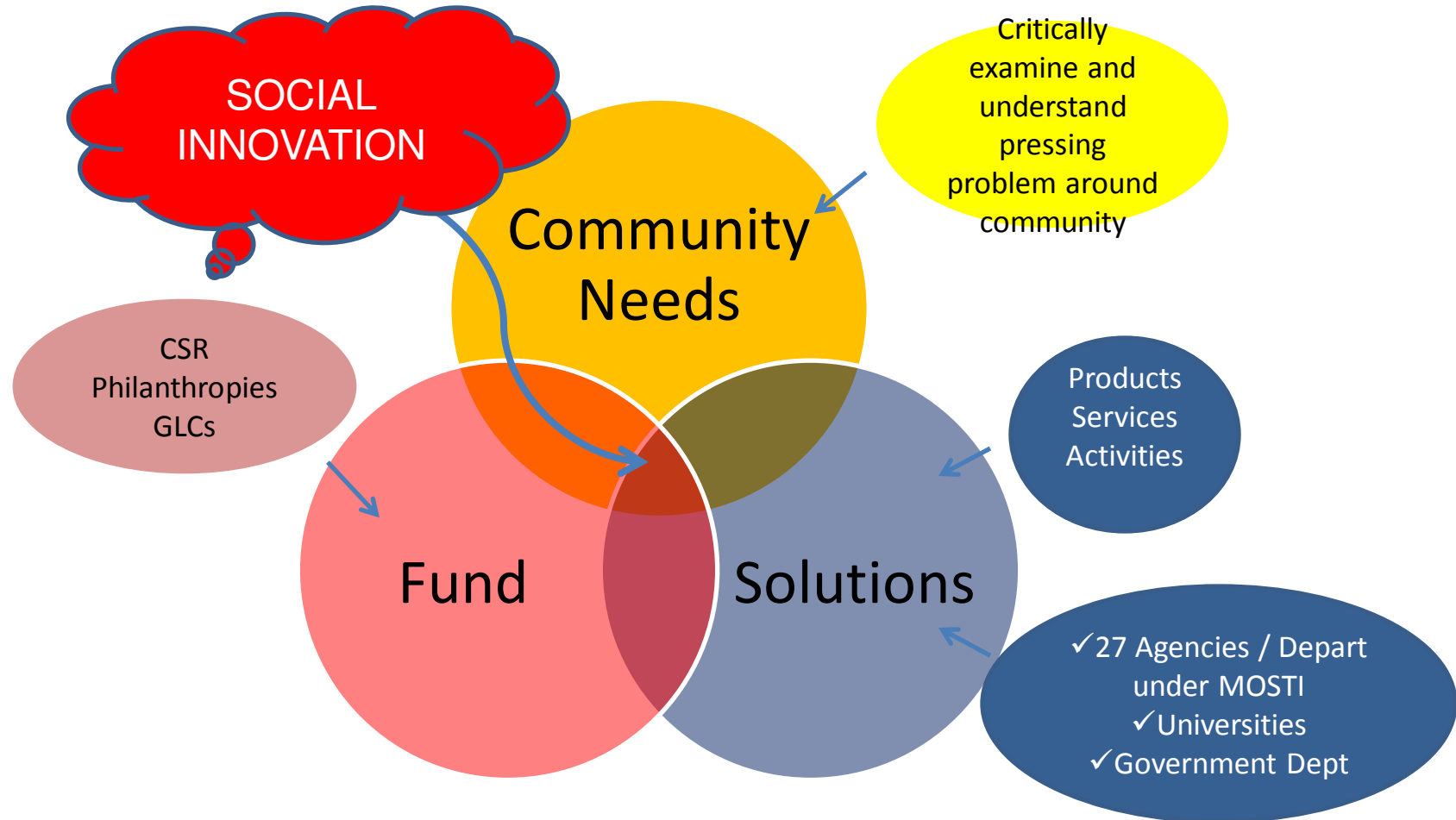
**Many Social Innovation associated with service innovation:**

- ✓ Innovation services and in-service products
- ✓ New and improve ways of designing and producing services
- ✓ Innovation in service firm, organisation and industries
- ✓ Management of innovation process, within service organisation

**Social design is also a term to describe particular approaches to social innovation**

- Meant to empower people at local level to invent together solution to economic and social problem
- To offer new value to guide administration action through collaborative working, experimentation and prototyping

# “Are You Delivering Value For Money?”



The Three Components are in engagement and relationships to act



**Centre for Social Innovation  
Vienna  
25 September 2014**

- creates new social relationships or collaborations
- enhances society's capacity to act

## MSI Projects

- ✓ 94 MSI projects was approved in 2015
- ✓ Cross cutting discipline focusing on 9 priority areas as outlined in the NPSTI
- ✓ Investment ~ RM 12.3 million

4 ► PRIME NEWS

NEW STRAITS TIMES THURSDAY, OCTOBER 18, 2012

# Fishing made easy with satellites

By Sonia Ramachandran  
 sonia@nst.com.my

**KUALA LUMPUR** (The Straits Times) — A fisherman waking up in the morning to a low volume cell phone ring is an added advantage for him. He knows where the fish is going to be next day.

The fisherman, Nalin, is excited to improve the lives of the 50,000 fisherman in the region. He is part of a data-driven project which will enable him to predict the right spot at sea.

"Technology can be used to study weather and sea patterns, as well as the temperature, to locate schools of fish. A radar on the boat which can locate fish within a certain radius would be useful, but it is important for the fishermen to know where the fish is first before they use the radar," he said.

Besides Macres, the project involves the Fisheries Department, Fisheries Development Board (FDB), National Fishermen's Association (NFA) and Malaysian Institute of Microelectronic Systems (MIES).



## ANUGERAH INOVASI SEKTOR AWAM LAISAI



Anugerah Inovasi Teknologi Maklumat dan Komunikasi (ANGIT)

AGENSI REMOTE SENSING MALAYSIA, JABATAN PERIKANAN MALAYSIA, LEMBAGA KEMAJUAN IKAN MALAYSIA DAN PERSATUAN NELAYAN KEBANGSAAN (MPP)

System Berkecekapan Berbasarkan teknologi remote sensing sistem maklumat geografi (GIS) dan ICT yang membolehkan para nelayan mendapatkan maklumat tentang kawasan dan produktiviti ikan yang tinggi sebelum berangkat ke laut.



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## 50 Years of plant mutation breeding in Malaysia and the Asia Pacific region





- Fertigation system developed by Malaysian Nuclear





## MSI Objective

- ✓ To assist target groups through
  - ✓ Development and implementation
  - ✓ IDEAS into
    - ✓ products, services or models to meet
    - ✓ the unmet needs or necessities

# Implementation

Agreement	MOSTI & AGENCY/GLC/CLG Agency & Technology Recipient
Evaluation & Monitoring Committees	2 Monitoring Committees (Top Management, Cluster & Fund Division)
Documentation	Milestone Report

# Implementation

- ii. Village Development & Security Committee (JKKK)
- iii. Groups
- iv. Communities
- v. Government Agencies

## Location

In accordance to the target group  
Commensurate with the resources  
Malaysia



# IMPLEMENTATION AND MONITORING MECHANISM FOR MOSTI SOCIAL INNOVATION (MSI)

- Special Monitoring Committee - chaired by Deputy Secretary General of MOSTI
- Project Management Team - Clusters

- of Dept / CEO
- Agency's Person In Charge (PIC)
- Head of Project

- Commercialisation Division
- Clusters
- Assessment Unit, Planning Division

Cosmetic Production Containing Citronella  
(*Serai Wangi*)

Astronautic Technology Sdn Bhd

Disaster Ready Communication Infrastructure  
for Flood

MIMOS Berhad

Solar Photovoltaic (8kW) “FIT Grid Connected”

SIRIM Berhad

Sago Production Process Upgrading

SIRIM Berhad

women Empowering women. match me test &  
Malaysian Integrity Test

MIMOS Berhad

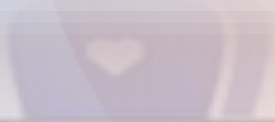
Eco Genset

Technology Park Malaysia

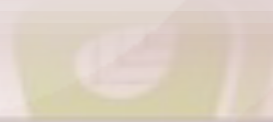
Innovation-Driven Rural Transformation Program:  
Safe Drinking Water Through Innovative  
Filtration

Malaysia Foundation for  
Innovation

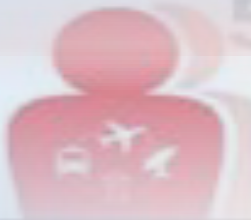
# 11<sup>TH</sup> MALAYSIA PLAN



for an advanced  
nation



sustainability  
and resilience



**5** Strengthening  
infrastructure  
to support  
economic  
expansion



**6** Re-engineering  
economic  
growth for  
greater  
prosperity



## Concluding Remarks

### Inclusion

- ✓ Public sector plays a major role in interfacing with other parties as an **integrator** and **facilitator**
- ✓ **MOSTI Social Innovation initiatives will be a yearly and continuous program throughout RMK 11**



Kementerian Sains, Teknologi dan Inovasi (MOSTI)



mymosti