



# BSB Services (Emphasis on Standardization Process)

## BHUTAN

Karma Tshetrim, BSB, Bhutan

# OUTLINE



**Brief Background, Core Mandates & Organizational Structure**



**Services provided by BSB**



**Standardization in Bhutan**



**International memberships and partners**



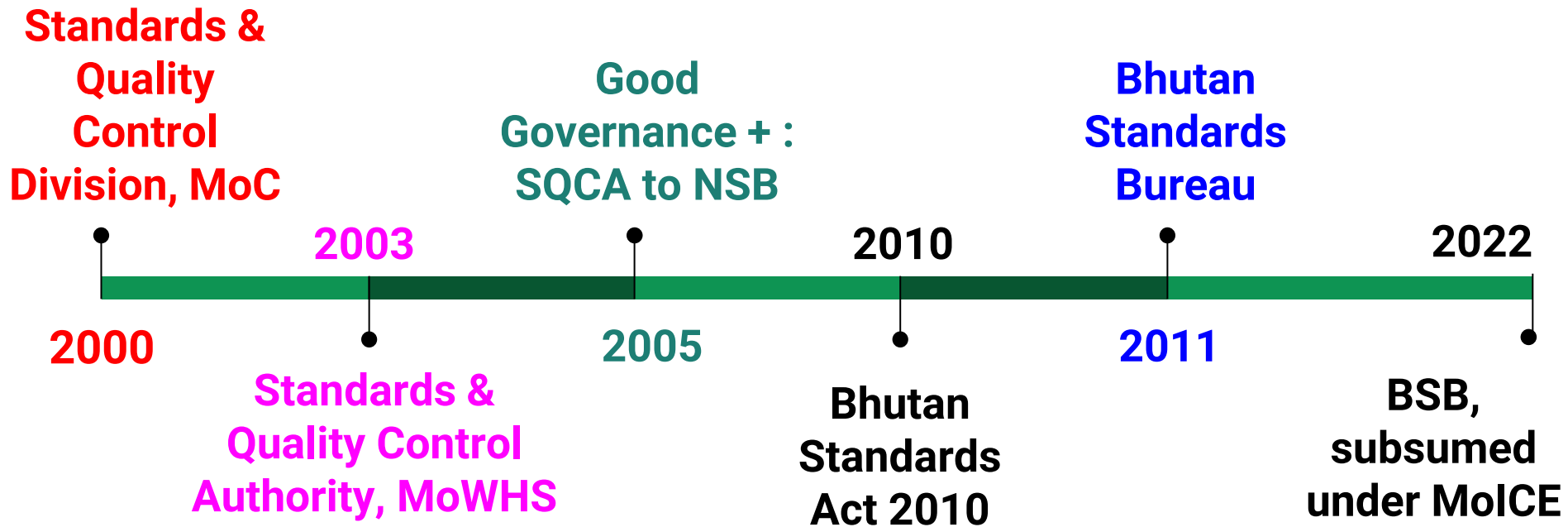
**CHALLENGES**



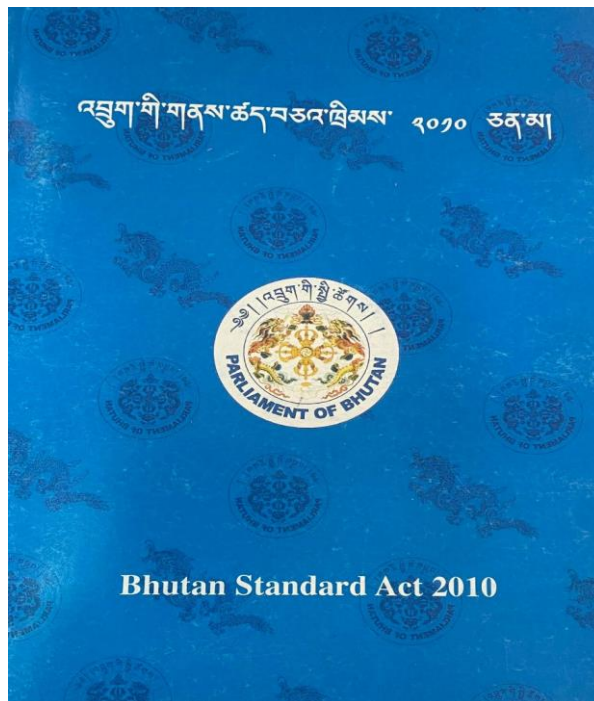
**Way Forward**



# BRIEF BACKGROUND



# BHUTAN STANDARDS BUREAU



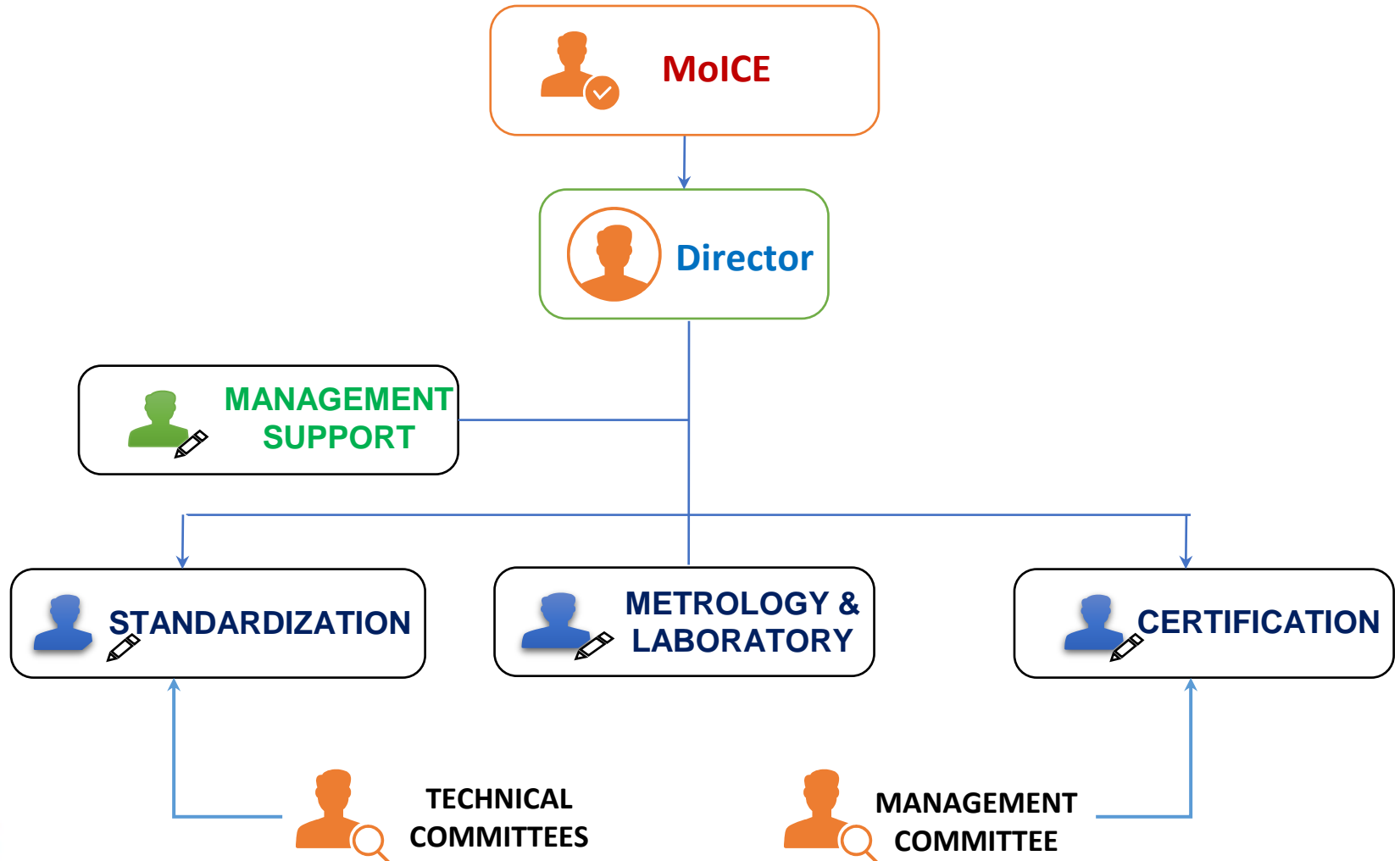
**Bhutan Standards Bureau (BSB) is established with the enactment of Bhutan Standard Act 2010.**

# CORE MANDATES OF BSB

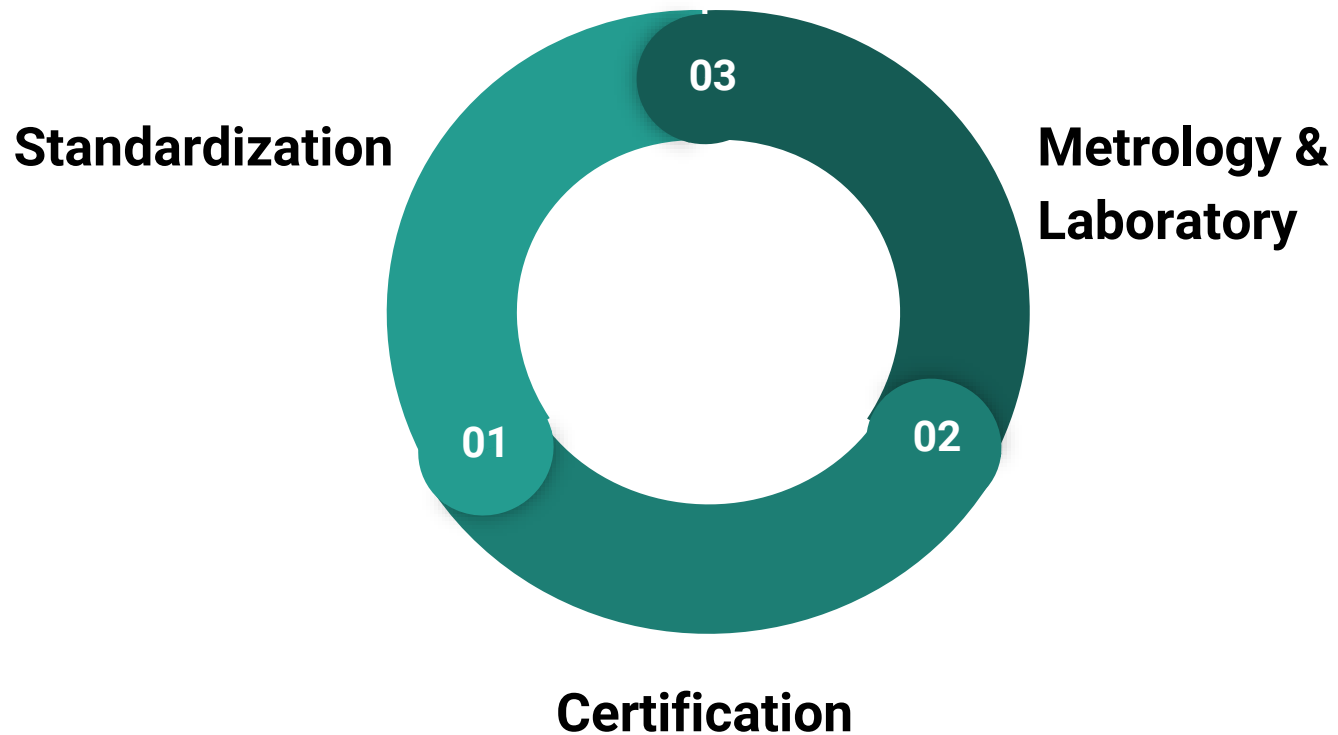
- 1. STANDARDS:** Develop & promote national standards and facilitate their implementation
- 2. METROLOGY:** Establish & operate the National Metrological Laboratory
- 3. ACCREDITATION:** Permit, coordinate and facilitate accreditation of laboratories and certification bodies
- 4. CONFORMITY ASSESSMENT SERVICES:** Establish and operate product testing infrastructure; carry out/operate product and management system certification schemes
- 5. PROMOTE QUALITY & STANDARDIZATION**
- 6. TRADE FACILITATION:** Facilitate implementation of the regional & international trade



# BSB ORGANOGRAM



# BSB CORE SERVICES



# STANDARDIZATION SERVICES

1

**Develops/adopts  
and publishes  
national standards**

2

**Facilitate their  
implementation  
through publicity  
and awareness  
programs.**



# STANDARD DEVELOPMENT METHODS

- ✓ **Development**
- ✓ **Adoption**
  - ✓ Identical
  - ✓ Modified
  - ✓ Non equivalent / development
- ✓ **Harmonization** (International/Regional/other national standards)



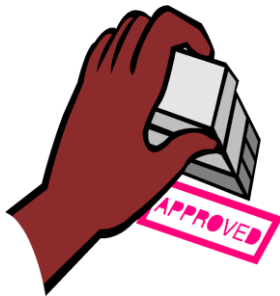
# PRINCIPLES FOR STANDARD DEVELOPMENT



✓ **Consensus**



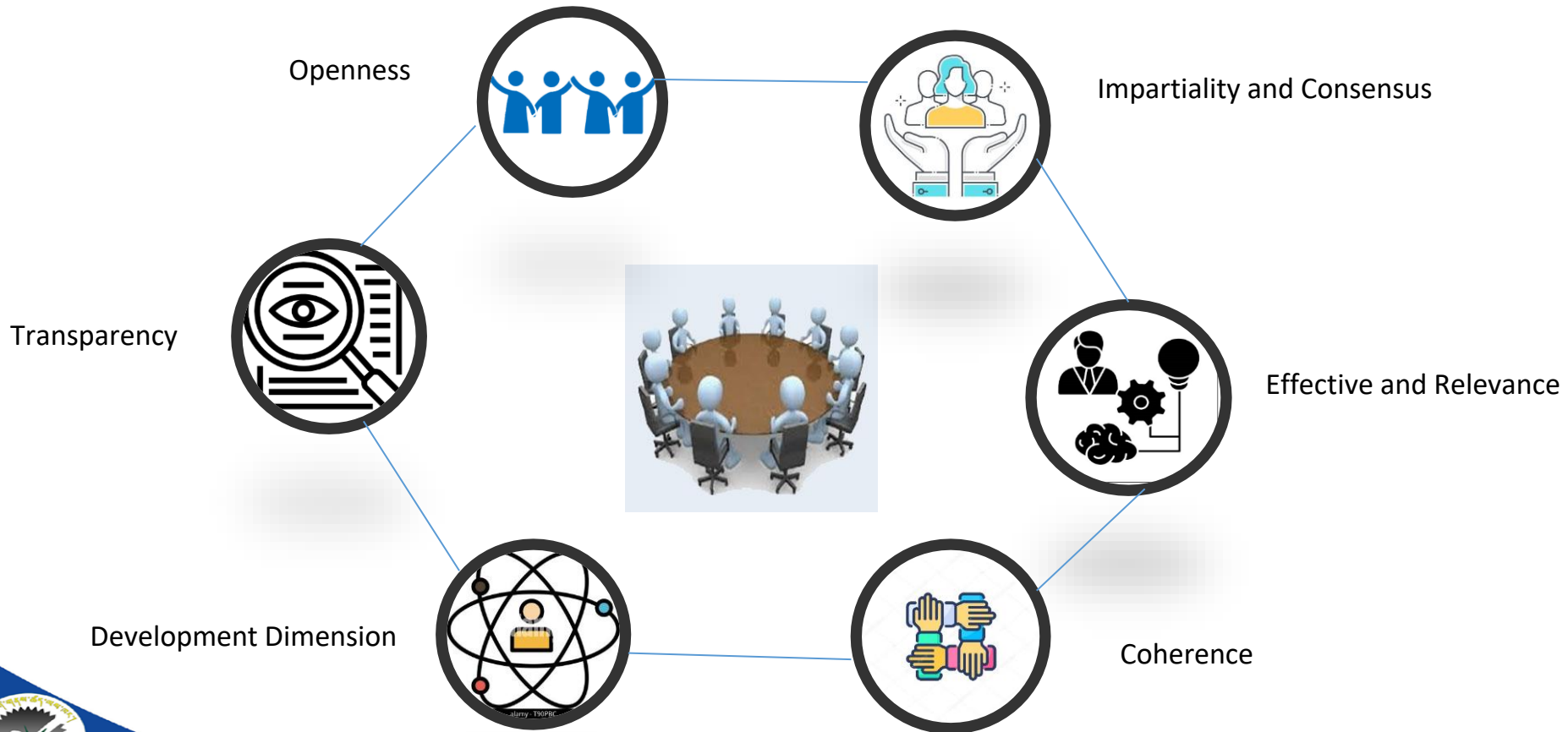
✓ **Transparency**



✓ **Approval by recognized body**



# PRINCIPLES FOR STANDARD DEVELOPMENT



# STANDARDIZATION PROCESS

Government  
Consumers  
Industries



New Work Item Proposal (NWIP)

Technical Committee

Sub-Committee



Consensus

TC Approval

Wide circulation of Draft Bhutan Standard

Approval by BSB Board

Publication

Committee Draft

Draft Bhutan Standard

Final Draft Bhutan Standard

Bhutan Standard



## TECHNICAL COMMITTEES

<b>TC 01</b>	Civil Engineering
<b>TC 02</b>	Food and Agriculture
<b>TC 03</b>	Electrical and Electronics
<b>TC 04</b>	Basics and Management
<b>TC 05</b>	Pharmaceuticals and Traditional Medicines
<b>TC 06</b>	Textiles
<b>TC 07</b>	Wood and Timber Products
<b>TC 08</b>	Mechanical Engineering
<b>TC 09</b>	Graphical Symbols
<b>TC 10</b>	Sustainability and Environment



## TECHNICAL COMMITTEES

### TECHNICAL COMMITTEE (TC)

A committee established by the National Standards Body to carry out standardization within a particular broad subject of standardization



### SUB-COMMITTEE (SC)

A committee constituted by a technical committee to carry out specific aspects of standardization under the standardization activity of the TC



### WORKING GROUPS (WG)

A group of experts established by the TC or SC to study a specific area within the subject of standardization



## **BHUTAN STANDARDS OFFICIAL LANGUAGE**

- 1. English is the base language in which the standards is formulate/developed for Bhutan Standards.**
- 2. All discussions and communication for formulation of Bhutan Standards are in English.**
- 3. Translation to national language is not required for now but BSB may do so in future.**

## STAKEHOLDERS IN STANDARDIZATION





## INTERNATIONAL/REGIONAL MEMBERSHIP



SAARC

**SOUTH ASIAN REGIONAL  
STANDARDS ORGANIZATION**

DHAKA

**MEMBER**



**CORRESPONDENT MEMBER**



**AFFILIATE MEMBER**

## INTERNATIONAL/REGIONAL RELATIONS



# CHALLENGES

- 1. BSB FORMULATES STANDARDS BUT CERTIFICATION FOR FARM MACHINERIES MAY NOT BE POSSIBLE FOR EXISTING BSB CERTIFICATION SYSTEM.**
- 2. NEED TO DISCUSS CLEARLY WHO OR WHICH AGENCY WILL TAKE THE ROLE OF NATIONAL DESIGNATED AGENCIES. THIS MAY NEED CLEAR DISCUSSION AND DECISION FOR BHUTAN.**
- 3. BHUTAN MAY NOT HAVE ADEQUATE INFRASTRUCTURE TO DO FULL TESTING UNDER THE ACCREDITATION FOR NOW.**
- 4. NEED INFRASTRUCTURE (LABORATORY & BUILDING) UPGRADATION TO PARTICIPATE IN THE ACCREDITATION OF TESTING FACILITIES.**
- 5. NEED CAPACITY BUILDING FOR PERSONNEL TO DO FULL TESTING AND PARTICIPATE IN THE ACCREDITATION SYSTEM.**
- 6. LACK OF FUNDING MAY HINDER THE CAPACITY BUILDING AND CONSULTATION FOR FRUITFUL MRA SIGNING FOR BHUTAN.**



## WAY FORWARD

- 1. TO ENDORSE THE ESTABLISHMENT OF MRA BSB WILL NEED TO SEEK GUIDANCE AND APPROVAL FROM THE ROYAL GOVERNMENT OF BHUTAN.**
- 2. MRA CLAUSES NEED A PROPER DISCUSSION AND APPROVAL FROM HIGHER AUTHORITY AND RELEVANT STAKE HOLDERS FOR BHUTAN.**
- 3. BSB WILL TAKE PART IN THE TECHNICAL WORKING GROUP/s, EXPERT GROUP/s AND TASK FORCE/s BUT MAY HAVE TO SEEK FUNDING SUPPORT TO PARTICIPATE IN ALL THOSE ACTIVITIES.**
- 4. CONSIDERING THE SPECIFIC COUNTRY NEEDS AND CHALLENGES MAY HELP ACHIEVE THE MRA INTENDED GOAL OR RESULTS FOR ANTAM MEMBERS.**
- 5. DRAFTING A WORK PLAN MAY HELP GUIDE EACH COUNTRY TO COME CLOSER TO SIGNING THE MRA SOONER.**



# THANK YOU

