Regional Bio-Bridge Initiative Roundtable for Asia and the Pacific

Key Note Presentation

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The Focus of Bio-Bridge Initiative (BBI)

- Technical and Scientific Cooperation (TSC)
- Technology Transfer

TSC

Two or more countries pursue their individual or collective biodiversity-related goals through cooperative exchanges of ***knowledge, skills, data, resources and technologies***.

History of TSC and TT within the CBD

COP 8 – 2006 (VIII/12)

AHTEG with the mandate as set out in decision VII/29, paragraph 7; requested relevant conventions and initiatives to contribute to TSC, TT; requested the SCBD to explore possibilities of a **Biodiversity Technologies Initiative** on the lines of CTI.

COP 9 – 2008 (IX/14)

Options for BTI and identification of host institution, undertake technical study on IPRs, **strategy for practical implementation of the BTI**

WGRI 3 – 2010

UNEP Prepared a policy paper on TSC and TT for presentation to WGRI 3

COP 10 – 2010 (X/16)

COP 12 – 2012 Established Bio-Bridge Initiative to implement the CBD Strategic Plan

The Strategy for BTI

- Conceptualization and defining TSC, TT
- Addressing enabling environment at receiving end
- Dealing with enabling environment at providing end
- Facilitating mechanisms
- Role of Champions (Republic of Korea and the BBI)
- Funding mechanism

Other Initiatives

- GIZ compilation of Biodiversity relevant technologies – 2008
- UNEP online portal on biodiversity technologies – TECHNOLOGY OF THE DAY Initiative in 2010 (International Year of Biological Diversity)
- Partnerships with UNIDO and others
- Discussions in preparation for CBD Strategic Plan (2011-2020)
- Others, including NBSAPs, National Reports, CHM etc.,

BBI – Vision and Mission

- BBI's long-term Vision is significantly scaling up TSC among Parties to the Convention on Biological Diversity and to its Protocols through regional and global partnerships and networks in order to achieve their national biodiversity targets and contribute to the achievement of the Aichi targets.

- The Mission of BBI is to foster and facilitate TSC among countries and institutions in order to halt the loss of biodiversity and ensure that ecosystems are resilient and continue to provide essential services.
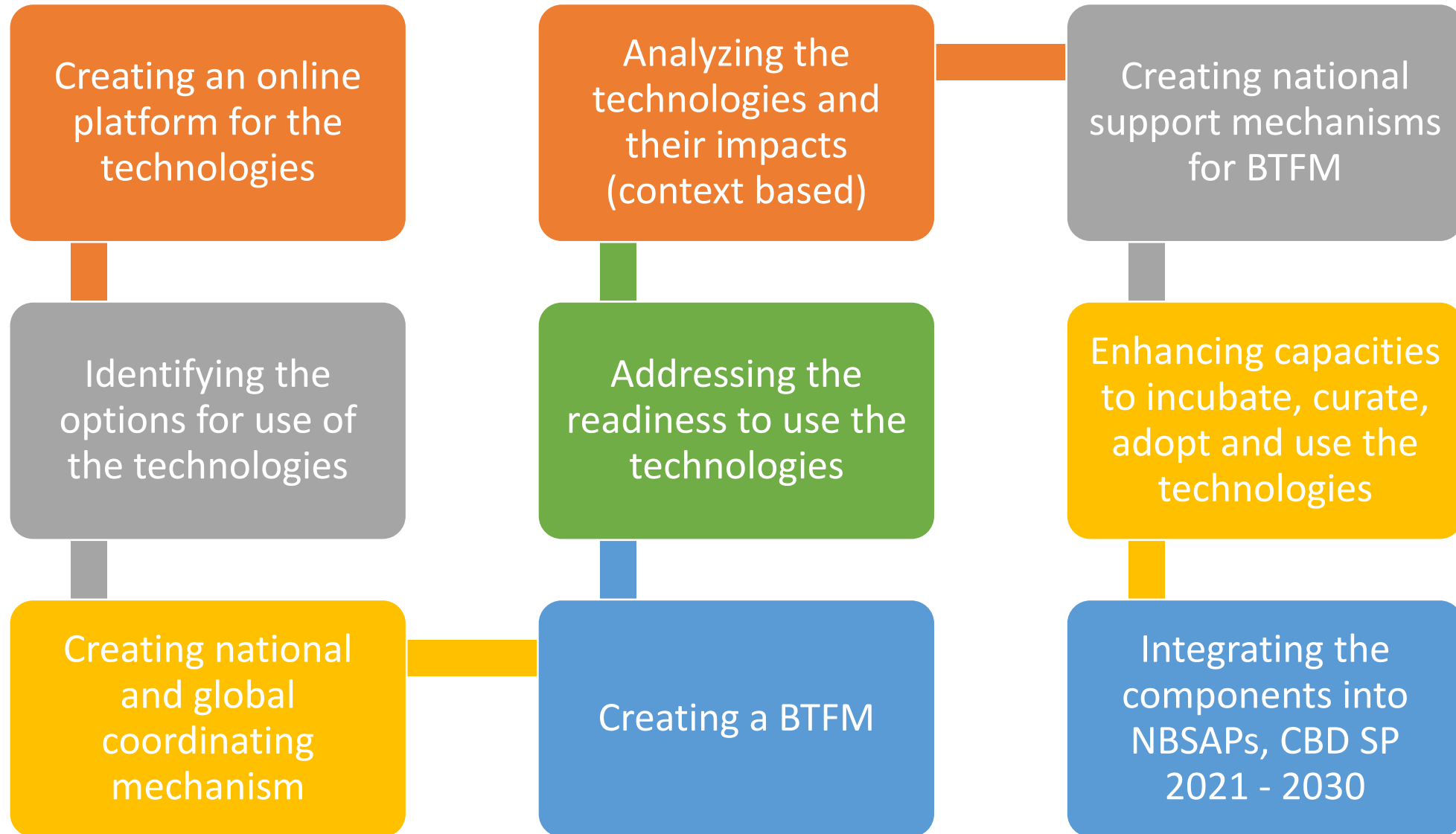
Key Mandates - BBI

1. BBI will provide a help desk service

2. BBI will also provide opportunities for broader communication and partnership building among Parties and institutions

3. BBI will, subject to availability of funding, provide seed grants

4. BBI will facilitate access to key resources and expertise available online

Moving forward the mandates

- Creating a platform (the Biodiversity Technology Facilitation Mechanism)

- Supporting networking (linking the national CHM with special focus on TT)

- Creating sub-regional projects and programmes on biodiversity technologies

- Identifying and incubating new mechanisms to mainstream biodiversity technologies and actions under BBI

Key Enablers for a BTFM

Regional and National Actions

Regional actions

      Regional BTFM

Sub-regional actions

      Technology support and transfer platforms

      Integrating actions (RTAs, TFM, SDGs)

National actions

      Mainstreaming BBI

      Strengthening CHMs

      Supporting integration into NBSAPs

      Creating Special Purpose Vehicles (SPVs)

Some Examples

❖ Technologies to collect data – Big Data Analytics, Internet of Things and the related, Biodiversity Grid(s)

❖ Technologies to reduce biodiversity loss – Synthetic biology and natural product chemistry, genome sequence application, tissue and organ cultures etc.

❖ Technologies to improve ecosystems and reduce pressure – Citizen science based on smart phones

❖ Technologies that help biodiversity based business – Ocean technologies, prospecting, bio-banking, organics and others

❖ Technologies to mimic nature

Linkages and options to deliver

- ✓ Big data analytics
- ✓ Targeted capacity building (online courses and internships)
- ✓ National Technology Missions on Biodiversity and Ecosystems (part of the post 2020 strategy)
- ✓ Links to SDG related actions
- ✓ UNSG's STI and TFM
- ✓ Biodiversity Technologies and Innovations Network
- ✓ Technology Corps for 2030
- ✓ SDG 14 and SDG 15 support mechanisms