



WORLD SCIENCE FORUM

Budapest 2024

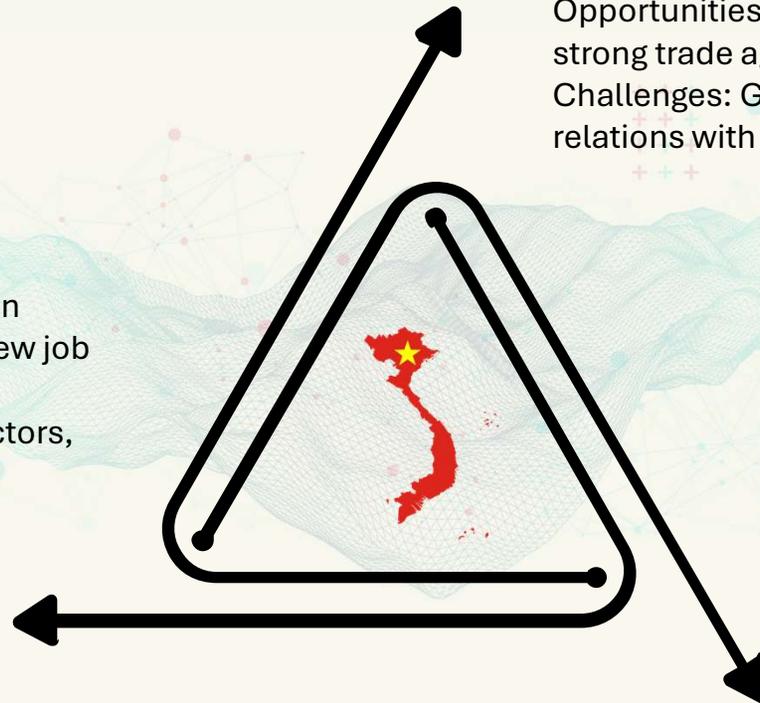
*The science and policy interface at
the time of global transformations*

 **WORLD SCIENCE FORUM**
BUDAPEST

Vietnam Science, Technology and Innovation Diplomacy (2021-2030)



Vietnam in a changing world



2. Fourth Industrial Revolution (4IR)

Opportunities: Digital transformation in manufacturing, AI, automation, and new job creation.

Challenges: Skill gaps in high-tech sectors, disruption of traditional industries.

1. Regional & International Geopolitics

Opportunities: Strategic location in the Asia-Pacific, strong trade agreements (ASEAN, RCEP, CPTPP).

Challenges: Geopolitical tensions, balancing relations with global powers.

3. Global Interconnectedness

Opportunities: Integration into global supply chains, expanding digital economy.

Challenges: Vulnerability to global economic shifts, managing cybersecurity risks.

Vietnam STI for Development - An Overview

Development Orientation



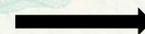
...**rapid** and **sustainable** development based on Science, Technology, Innovation and Digital Transformation*...



National Strategies



- **Strategy for Science, Technology, and Innovation Development by 2030**
- National Digital Transformation Program
- Strategy on the Fourth Industrial Revolution towards 2030
- ...



Implementations



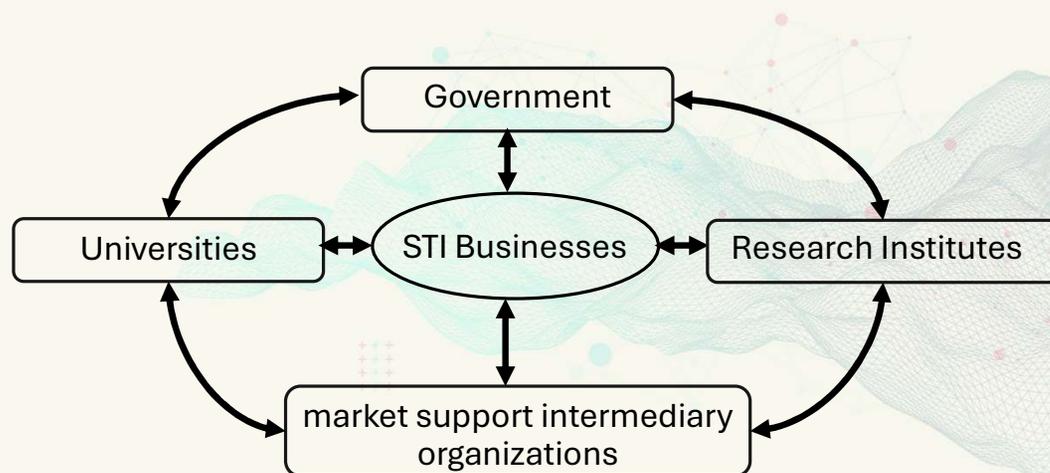
- National / Ministerial / Provincial Action Plans
- Ministerial / Provincial Strategies
- ...



STI Diplomacy

* Socio-Economic Development Plan for 2021-2030;
National Master Plan for 2021-2030, with a vision to 2050.

Vietnam STI for Development – An Overview



Business-Centric STI Development Framework

Vietnam STI Key focus areas:

Scientific Research:

- + Social Sciences & Humanities
- + Natural Sciences

Development & Application

- + Information & Communication Technology (ICT)
- + Biotechnology
- + Manufacturing & Automation Technology
- + Marine Technology
- + Disaster Prevention & Climate Change Adaptation
- + ...

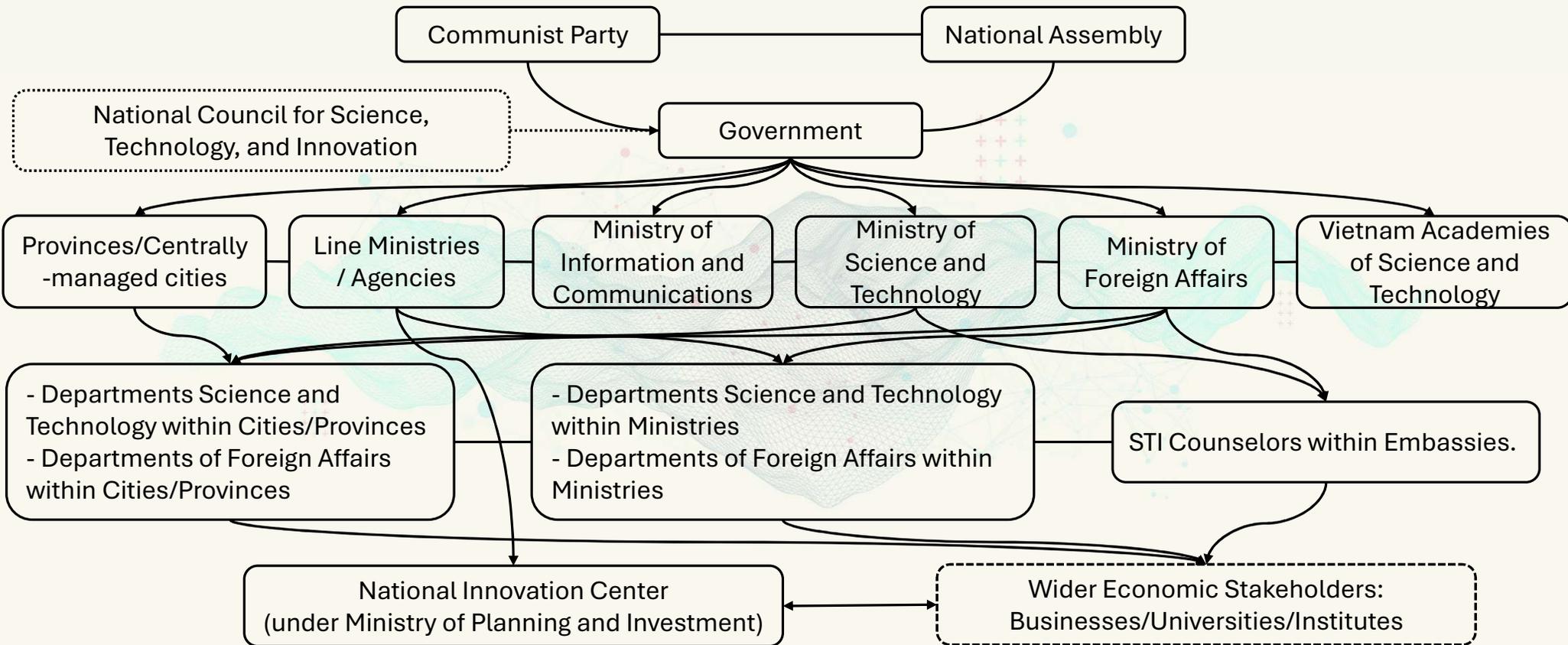
Innovation Focus:

- + Innovation in Agriculture
- + Innovation in Industry, Construction, & Transportation
- + Innovation in Key Regions, Leveraging Regional Advantages

Vietnam STI Diplomacy Achievements (2021-Current)



Vietnam's STI Diplomacy System

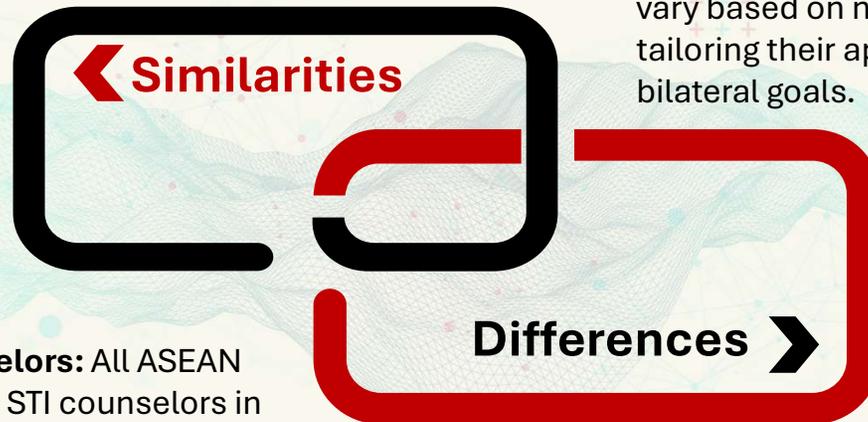


Similarities and Differences in STI Diplomacy

1. Focus on STI Diplomacy: Most states integrate STI diplomacy into broader strategies or establish it as a standalone initiative.

2. Economic Competitiveness is one major concentration across nations through STI Diplomacy.

3. STI Counselors: All ASEAN states deploy STI counselors in diplomatic missions to strengthen international STI collaborations.



1. Diplomatic Priorities: STI diplomatic priorities vary based on national needs, with countries tailoring their approach to regional, sectoral, or bilateral goals.

2. Strategic Focus:

- Great Powers: Prioritize inclusive development through STI, aiming for broad societal impact.
- Middle Powers: Focus on short-term, application-driven STI in specific sectors to boost national capabilities before reinvesting in fundamental science.



Young Leaders in STI Diplomacy

1. Bridging Knowledge Gaps

Facilitate exchange of expertise, especially between public sectors and industries.

2. Building Global Network

Engage with international organizations (UN, ASEAN, etc.) and youth-led initiatives.

3. Driving innovation

Lead initiatives for international partnerships in science, technology, and innovation.

Foster cross-border collaboration in digital transformation, AI, and sustainability.



Thank you for listening!

