



# WORLD SCIENCE FORUM

Budapest 2024

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



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# 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

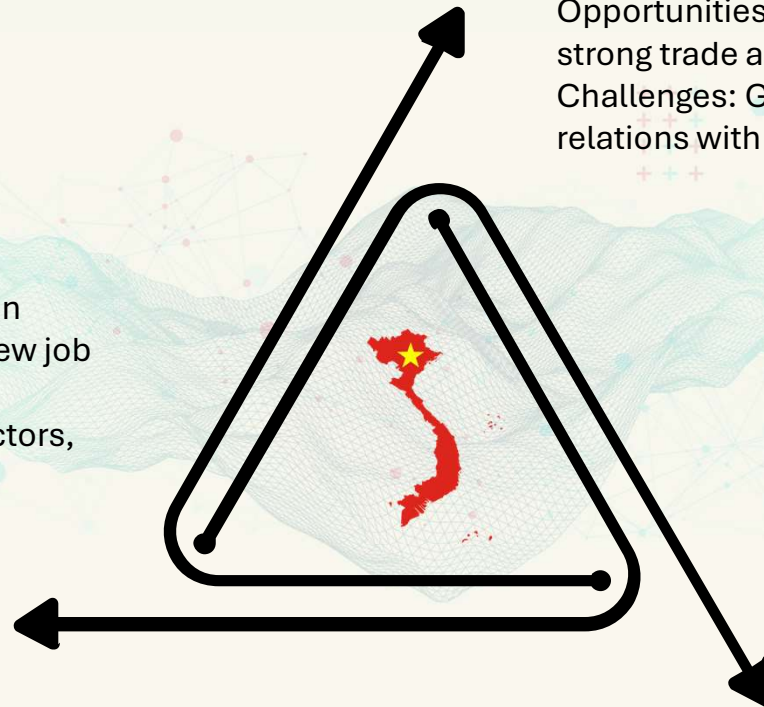
Opportunities: Strategic location in the Asia-Pacific, strong trade agreements (ASEAN, RCEP, CPTPP).

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.



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# Vietnam STI for Development - An Overview

## Development Orientation



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

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

## 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**

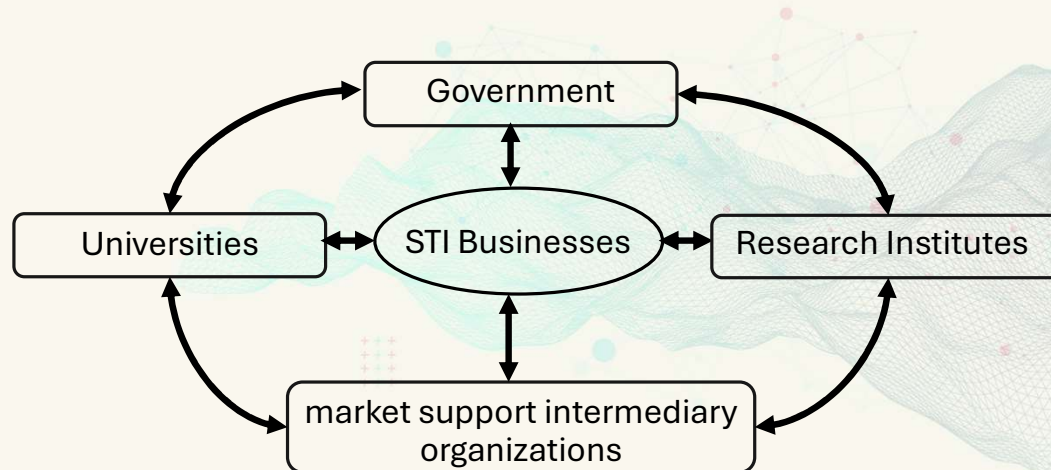


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# Vietnam STI for Development – An Overview



## 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



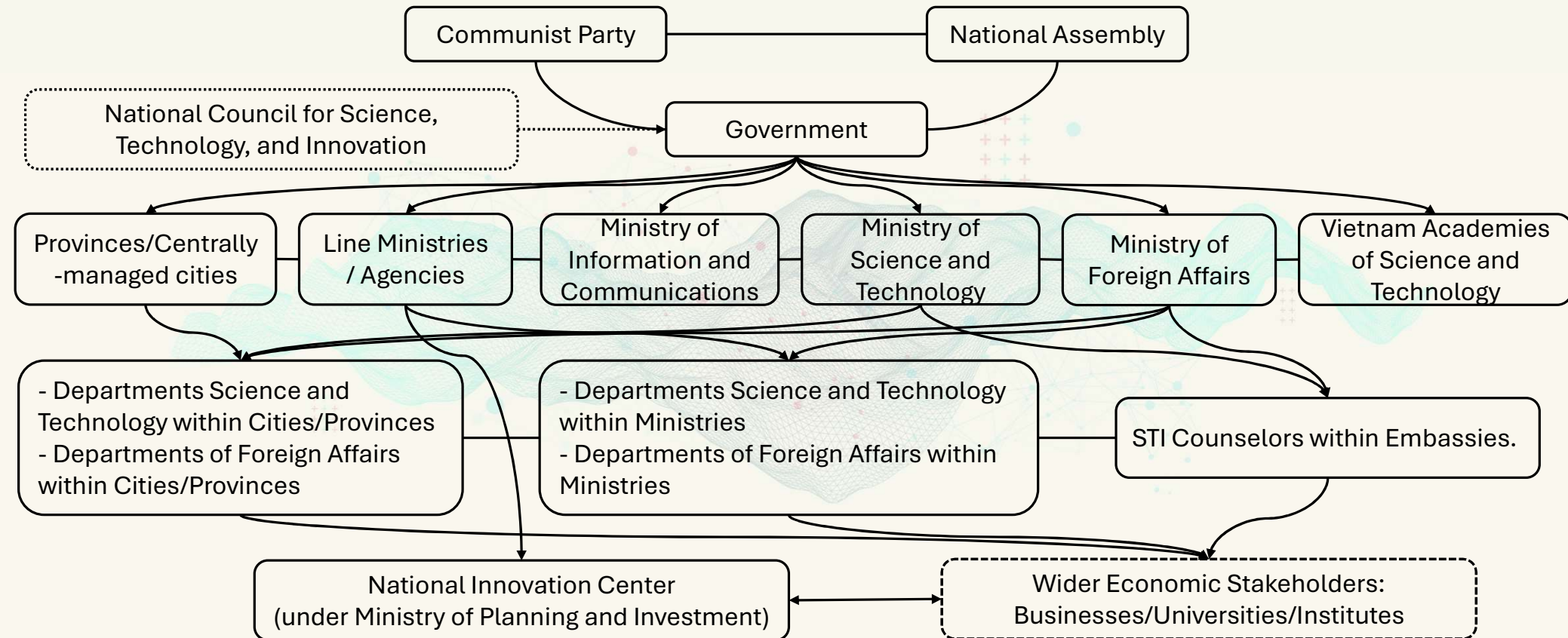
# Vietnam STI Diplomacy Achievements (2021-Current)



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# Vietnam's STI Diplomacy System



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# 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.

## Similarities

## Differences

**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.



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# 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.



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# Thank you for listening!

