



**USAID**  
FROM THE AMERICAN PEOPLE

# ADDRESSING PRIORITY CHALLENGES IN STRENGTHENING THE INNOVATION ECOSYSTEMS IN THE PHILIPPINES

---

STRIDE PERFORMANCE EVALUATION:  
FINDINGS, CONCLUSIONS  
AND RECOMMENDATIONS

MARCH 16, 2022

## ABOUT CLAIMDEV

**CLAIMDev** aims to bolster the capacity of USAID/Philippines to effectively lead and practice collaborating, learning, and adapting (CLA). Improving practices in CLA has the broader goal of enhancing USAID's development effectiveness. Susan Minushkin leads the CLAIMDev as Chief of Party.

**Panagora Group**, the implementing partner, closely works with USAID/Philippines to integrate CLA principles into the Mission's work. CLAIMDev covers an implementation period of five years, 2020-2024.

# STRIDE EXTERNAL AND INDEPENDENT PERFORMANCE EVALUATION TEAM

---



**DR. AGNES C. ROLA**  
Team Leader



**DR. CECILIA P. REYES**  
Member



**DR. IVY P. MEJIA**  
Member



# EVALUATION METHODS: MIXED METHODS

DATA COLLECTION METHODOLOGY	NUMBER OF RESPONDENTS			
	NATIONAL LEVEL	REGIONAL LEVEL		INDIVIDUAL LEVEL (HEIs)
		GOV'T	INDUSTRY	
<b>Quantitative</b>				
• Online Survey		11	11	70
<b>Qualitative</b>				
• Key Informant Interview (KII)	7	12		19
• Focus Group Discussion (FGD)				
o RIIC-Regional Inclusive innovation Center		13	9	9
o GIA-Government-Industry-Academe		7	14	11
<b>Case Study</b>		✓	✓	✓
<b>Total Respondents (N = 199)</b>	<b>7</b>	<b>49</b>	<b>34</b>	<b>109</b>
Percent Distribution	3.23	23.78	18.38	54.59

# — FINDINGS OF EVALUATION

# SUMMARY: STRIDE activities improved the innovation ecosystem (IE) elements in differential ways



**Increased** human capital via capacity building



**Conducted** strategic research, leading to knowledge creation



**Promoted** knowledge and technology transfer



**Strengthened** collaboration at national and regional levels

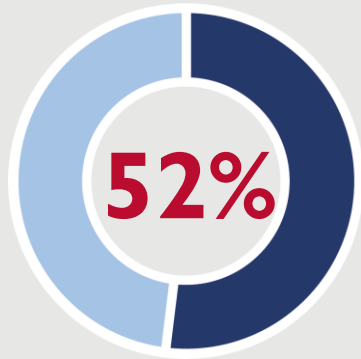


**Marginally** affected commercialization, via start-ups and spin-offs

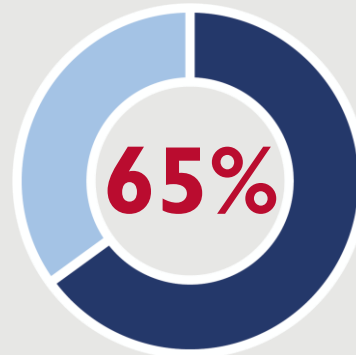
# — HUMAN CAPITAL AND EDUCATION



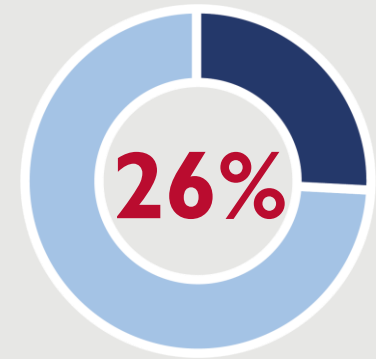
# INCREASED CAPACITIES OF SCHOLARS/GRANTEES



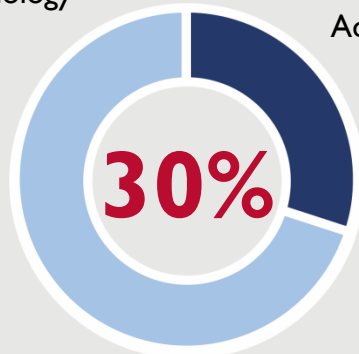
Participated in  
**KTTO training**  
(Knowledge and Technology  
Transfer Office)



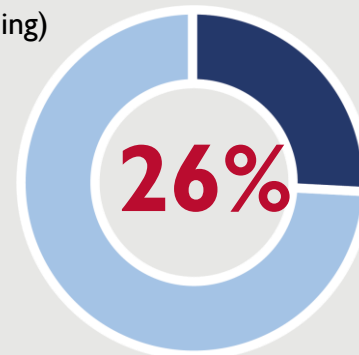
Participated in the development  
of **START modules**  
(Skills in Technical and  
Advanced Research Training)



Participated in USG-  
supported program



Applied for research  
grants within 2018-2021



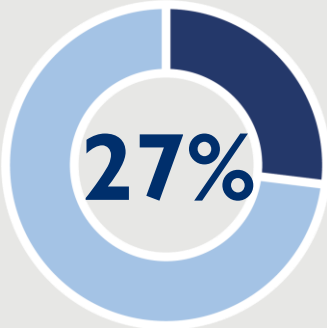
Completed at least one  
research project from 2018-2021

# — RESEARCH AND KNOWLEDGE CREATION

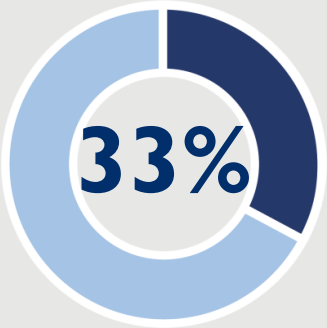
# CONTRIBUTED TO KNOWLEDGE CREATION

## PRODUCT INNOVATION

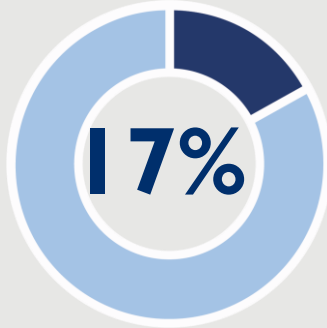
Produced equipment



Published journal articles



Produced software applications



## SERVICE INNOVATION

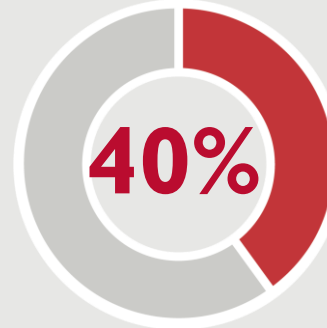
Developed the PSM curriculum during the STRIDE's second phase



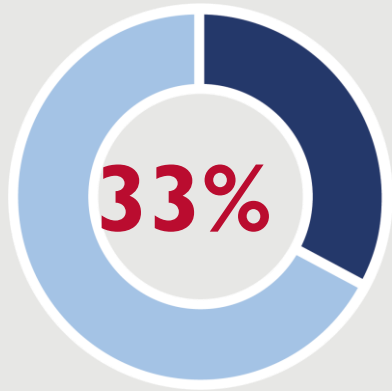
Established the KTTO



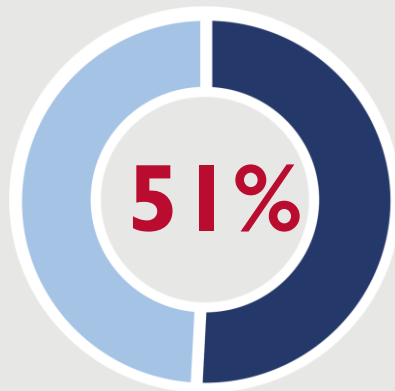
Established Career Centers



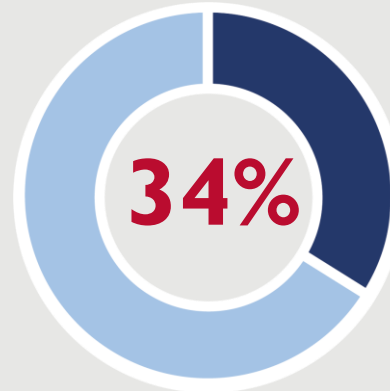
# IMPROVED THE CAPACITY TO INNOVATE



Developed these service innovations by themselves



Developed these in partnership with other organizations (collaboration)



Developed goods and services innovations in Phase 2 were new to their discipline

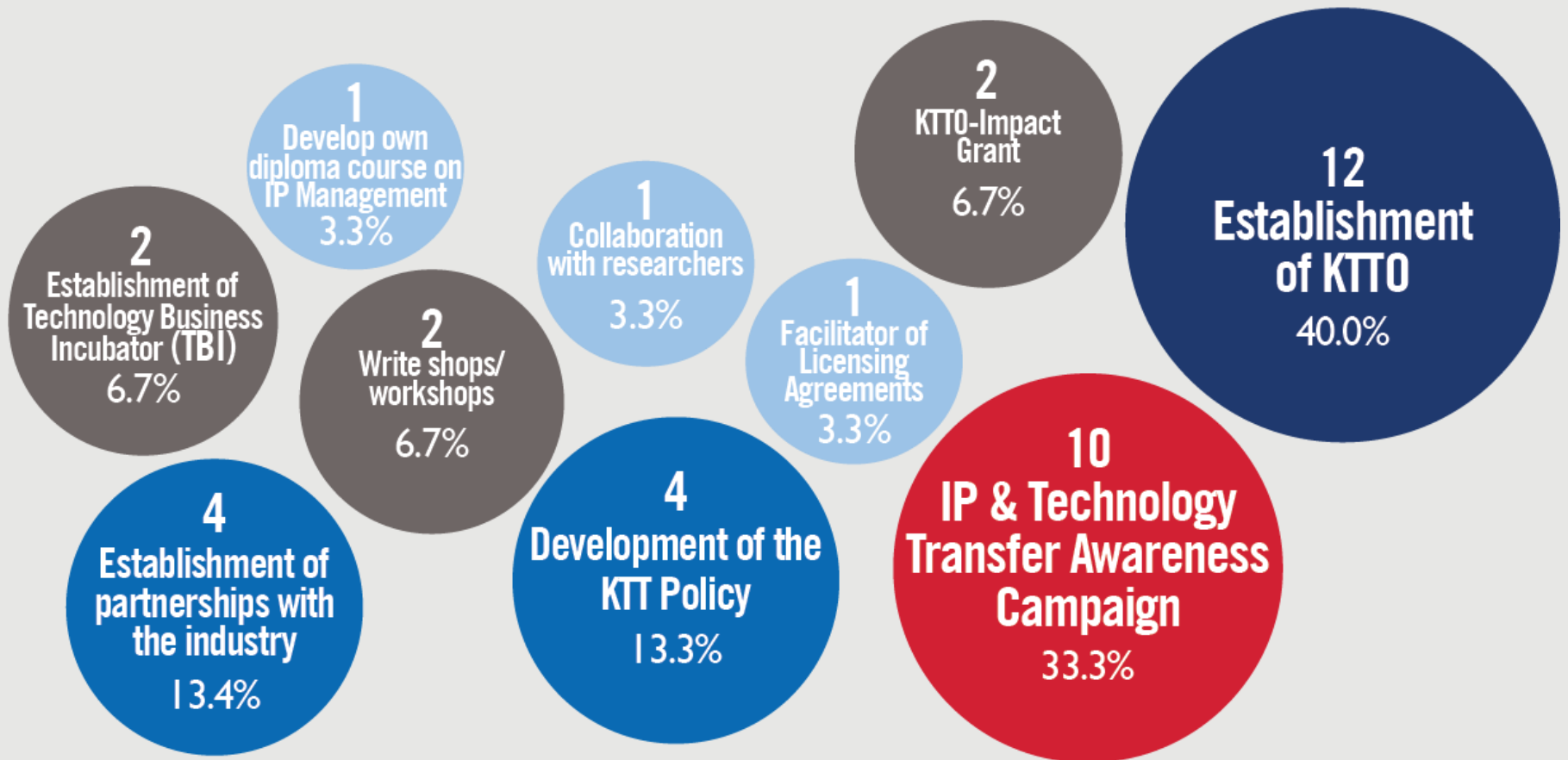


Developed goods and services innovations were new to the institution

# — KNOWLEDGE AND TECHNOLOGY TRANSFER

# Count RESPONSE

Percent (n+30)



# — COLLABORATION



# COLLABORATION VIA REGIONAL INCLUSIVE INNOVATION CENTERS (RIICS)



RIIC strengthened collaboration among the industry, academe and government



The RIIC had vertical and horizontal articulation of policies



Laymanized research output for industry



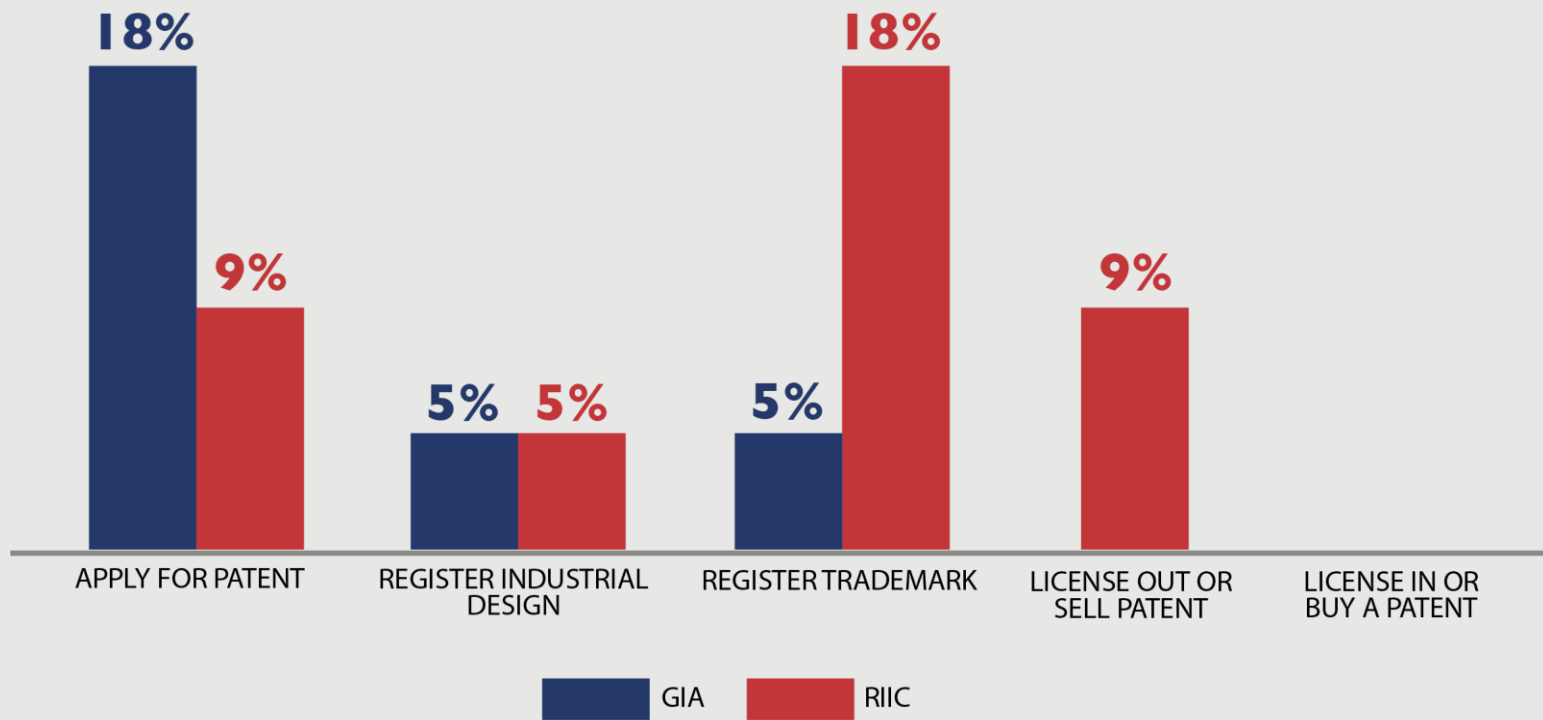
RIIC collaboration-built trust among the innovation actors at the regional level



# — COMMERCIALIZATION

# LOW ACHIEVEMENTS IN IPR AND LICENSING

## INTELLECTUAL PROPERTY RIGHTS AND LICENSING



# — CHALLENGES AND RECOMMENDATIONS

# CHALLENGE

Need to develop a culture of innovation that supports critical thinking and creativity

## ISSUES



Low basic education level innovation skills



Low STEM Enrolment



Low Research & Development Budget



Government's low perception of STI's positive impacts for economic growth

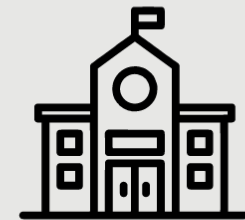


**EDUCATION AND HUMAN CAPITAL**

## RECOMMENDATIONS



**Collaboration**



**Dissemination of IPR benefits**



**Establish regional START Centers**

# CHALLENGE

More inclusive and demand driven research sub-ecosystem

## ISSUES



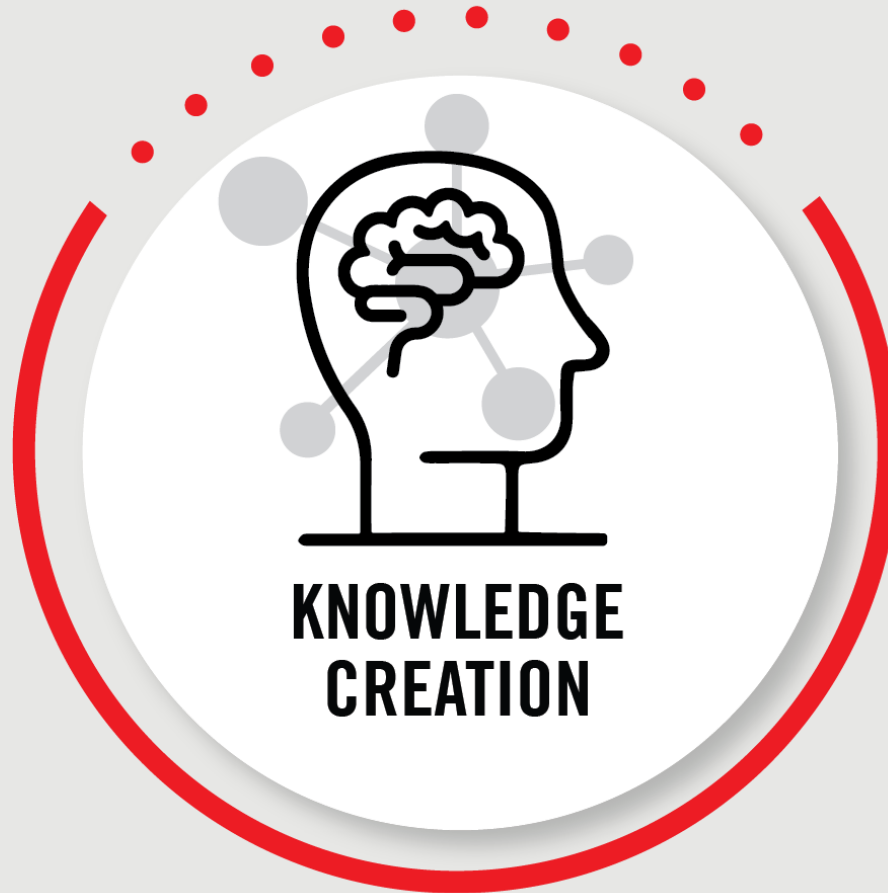
Varied capacities and limited professional development of faculty members



No existing policies for co-creation



Procurement issues



## RECOMMENDATIONS



Make it inclusive



Provide varied categories of grants for novice, intermediate, and advanced researchers



Harmonize co-creation policies of government and industry

# CHALLENGE

Low knowledge of faculty on the nature and benefits of IPR, few HEIs have technology transfer offices, trust issues

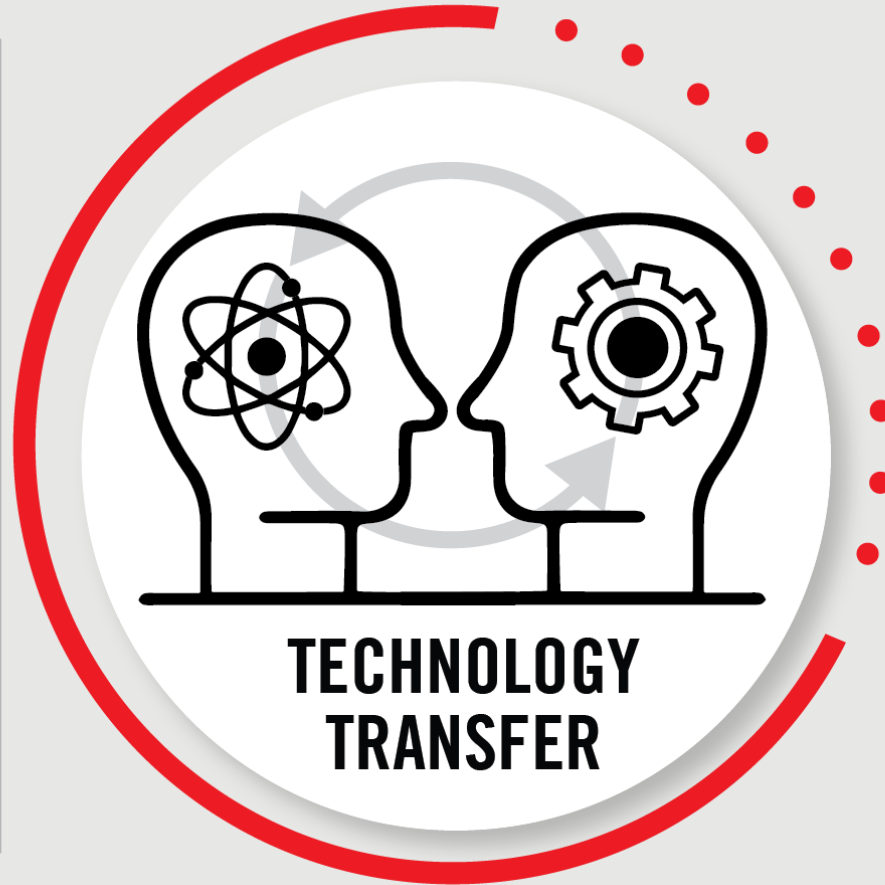
## ISSUES



Faculty just wants to publish



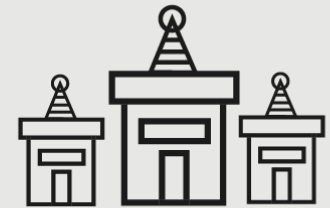
Differences in the innovation competencies of partners



## RECOMMENDATIONS



Incentivize faculty for demand driven research



Establish more knowledge and technology transfer centers

# CHALLENGE

Sustaining collaboration among actors need strong leaders, community participation, private sector involvement and industry friendly academe policies.

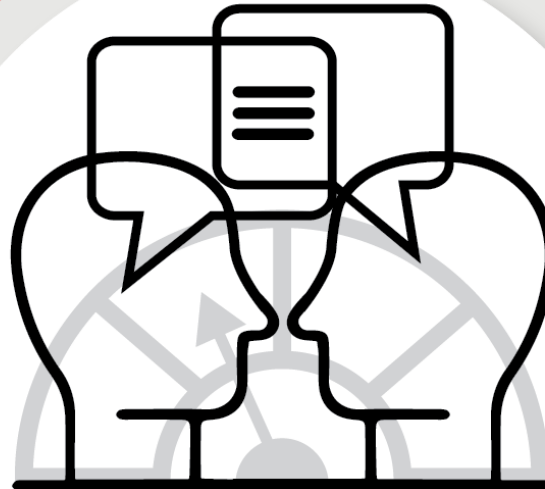
## ISSUES



Funding the collaboration platform and promote an enabling regulatory environment for all actors



Differences in Key Performance Indicators (KPIs) of partners



# COLLABORATION

## RECOMMENDATIONS



Operationalize the National Innovation Center



Develop rules for accessing the Innovation Fund



Create more space for interaction of actors

# CHALLENGE

Low quantities of patents, copyrights, trademarks and other instruments needed for commercialization, absence of faculty incentives

## ISSUES



Very slow process of IPR instruments' approval



Lack of policy on IE actors' benefit sharing



Lack of knowledge about commercialization



Lack of incentives for faculty to commercialize technologies



## RECOMMENDATIONS



Study the Intellectual Property application processes



IPOPHIL to do more training programs



Improve regulatory policies internally and across actors.



## RECOMMENDATION FOR FUTURE STUDIES

---

1. **Identify factors** for the long duration of Intellectual Property application processes
2. **Study the constraints** on why start-ups and spin-offs don't flourish in the country.

**Possible follow-up** - aim to have commercialization activity that will balance the research and innovation activities in the academe (HEIs, with industry partners)

— Thank you

