ANNEX C
SURVEY RESULTS HEIS RDIS

RESPONSE RATE: 56%

C.1 DEMOGRAPHIC CHARACTERISTICS

There were 70 scholars and grantees who are eligible and completed the online survey questionnaire out of the 126 population of scholars and grantees.

Among the respondents, 53% are males and the average age is 46 years. Respondents are highly educated, with about 88% having an MS and PhD degrees, of which about half have PhD degrees. Two female respondents have post docs. Most responses came from NCR, followed by the Region IV-A and Regions 7 and 10. All of these regions were samples in this evaluation study.

C.2 PARTICIPATION IN STRIDE PHASE 2

Out of the 70 sample respondents, 57 or 81% were participants in the STRIDE interventions, during its Phase 2, (2018 up to present), the focus of this evaluation. Out of those who participated (57 respondents), 65% said that their institutions participated in the development of Skills in Technical and Advance Research Training (START) modules and 26% participated in USG-supported program to increase knowledge in research and development. The nature of participation in the latter are Marketing the PSM program, Training in Career Center Development and Coaching, and USAID STRIDE Graduate Scholarship, Learning and Awareness for Renewable Energy (Bioethanol) Innovation Workshop, and writing proposal to the WARP Grant.

During the Phase 2, 35% of those who participated in STRIDE activities developed materials for Professional Science Masters (PSM) Curriculum and 52% participated in Knowledge Technology Transfer Office (KTTO) training. Subsequent activities organized by those who participated in the KTTO training included establishment of KTTO, IP and Technology Transfer Awareness Campaign, development of the KTT Policy, and establishment of Technology Business Incubator (TBI), among others (Table C.6).

Among the 57 respondents, 30% applied for research grants under STRIDE within 2018-2021, where 76% of which had at least one proposal that was approved. Twenty six percent of the 57 respondents completed at least one research from 2018-2021, that was funded by STRIDE.

C.3 CAPACITY TO INNOVATE

All 70 respondents answered the capacity to innovate questions. In terms of product innovation for goods, 27% said that they have produced equipment, 33% had journal publications and 17 % produced software applications. While these numbers are low, they still reveal that there is an emerging level of capacity to innovate among the STRIDE grantees. Other products also included Training, Workshop, Seminars and Capacity Building activities, Career Center, Training Modules, and

Reference Books, among others (Table C.10). One has to be aware of the complete attribution of STRIDE grant especially in writing books as this activity takes time and it was also mentioned that sampled institutions have other sources of funds. For the product innovation(goods), 34% of respondents said that only the institution developed these, while 33% said that these were developed in partnership with the other organizations.

Another type of product innovation is service. These are in the form of Professional Science Master (PSM) Curriculum, Knowledge Technology Transfer Office (KTTO), and Career Centers. Out of the 70 respondents, 29% developed the PSM curriculum during the STRIDE's second phase, 51% established the KTTO, while 40% established Career Centers. Thirty three percent said that they developed these service innovations by themselves, while 51% developed these in partnership with other organizations. Thirty four percent of respondents said that the developed goods and services innovations in Phase 2 were new to their discipline, while 30% said that these are new to the institution.

C.4 RANKING OF STRIDE INTERVENTIONS

All respondents were asked to rank the impact of the STRIDE interventions to them in terms of: 1) Technical assistance and its various forms, 2) Strengthening links between innovation stakeholders, 3) Policy improvements and 4) Institutionalization of STRIDE capacity building programs. For these HEI respondents, technical assistance and its various forms ranked first, followed by strengthening links. Policy improvements and institutionalization of STRIDE capacity building programs have close scores to tie in third place.

C.5 SUMMARY

1. Most STRIDE grantees are in their mid-career, have high levels of education and the distribution is gender balanced. These demographics maybe biased as the respondents come from highly urbanized areas.

2. The participation of the grantees during the Phase 2 came mostly in terms of service innovations: PSM curricular development, KTTO, and career centers. A high number participated in the development of Skills in Technical and Advance Research Training (START) modules. START is planned as a training arm to sustain the gains of STRIDE among the HEIs. Respondents also applied for and had approved research grants and completed at least one research during the second phase.

3. Some evidence to show that respondents have improved levels of innovation capacity include production of goods such as equipment, journal publications and software applications. Service innovations were in the form of the PSM, KTTO and Career Centers. While some developed these innovations only by themselves, more have developed these together with other organizations. Most said that these innovations were new to their discipline and new to the institutions, as well.

4. Among the STRIDE interventions, technical assistance and its various forms had the greatest impact, while strengthening links came in second.

ATTACHMENT: SURVEY RESULTS TABLES AND FIGURES:

Response rate = contact rate x cooperation rate

Response Rate = 55.56%

Contact Rate = (Completes + Partials + Refusals + Other) / (Completes + Partials + Refusals + Other +Non-contact)

Contact Rate = 63.49%

Cooperation rate = Completes / (Completes + Partials + Refusals + Others)

Cooperation Rate = 87.50%

Table C.1. Response rate

Classification		Count	Percent
Eligible	Completes	70	55.56
Ineligible	Refusal	10	7.94
Failed Delivery (Wrong Email Address)	Non-Contact	2	1.59
Non-response		44	34.92
Total		126	100

I. DEMOGRAPHIC PROFILE

Table C.2. Distribution of respondent's demographic profile

Demographic Profile	Responses	Count	Percent (n=70)
Age Group	25 to 40	18	25.71
	41 to 50	33	47.14
	51 to 60	12	17.14
	61 to 65	6	8.57
	>65	1	1.43
	Total	70	100
	Average	*45.91*	
Sex at Birth	Male	37	52.86
	Female	33	47.14
	Total	70	100
Highest Educational Attainment	BS	5	7.14
	MA/MS	29	41.43
	PhD	33	47.14
	Post Doc	2	2.86
	No response	1	1.43
	Total	70	100
Region	Cordillera Administrative Region	5	7.14
	National Capital Region	21	30.00
	Region I	2	2.86

Region III	4	5.71
Region IV-A	11	15.71
Region IV-B	2	2.86
Region IX	2	2.86
Region V	1	1.43
Region VI	7	10.00
Region VII	3	4.29
Region VIII	2	2.86
Region X	7	10.00
Region XI	3	4.29
Total	70	100

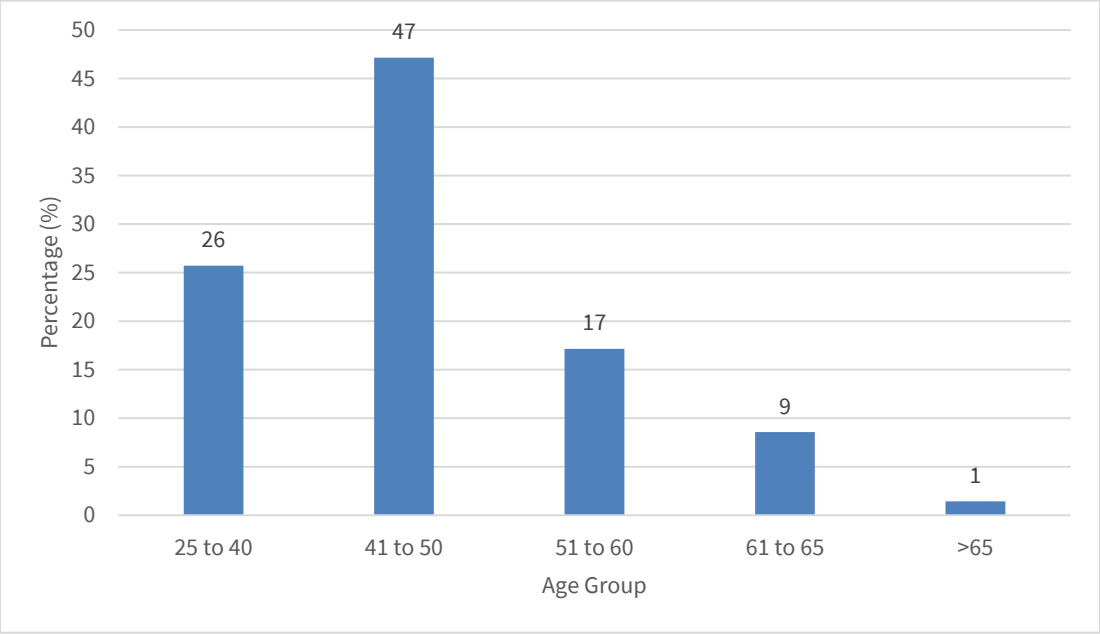

Figure C.1. Distribution of respondent's age group (in percent)

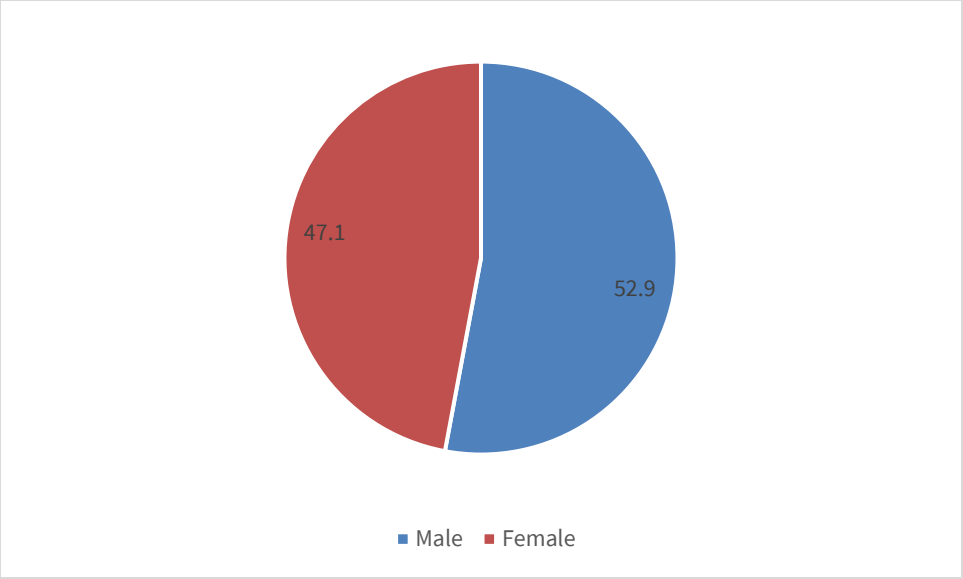

Figure C.2. Distribution of respondent's sex at birth (in percent)

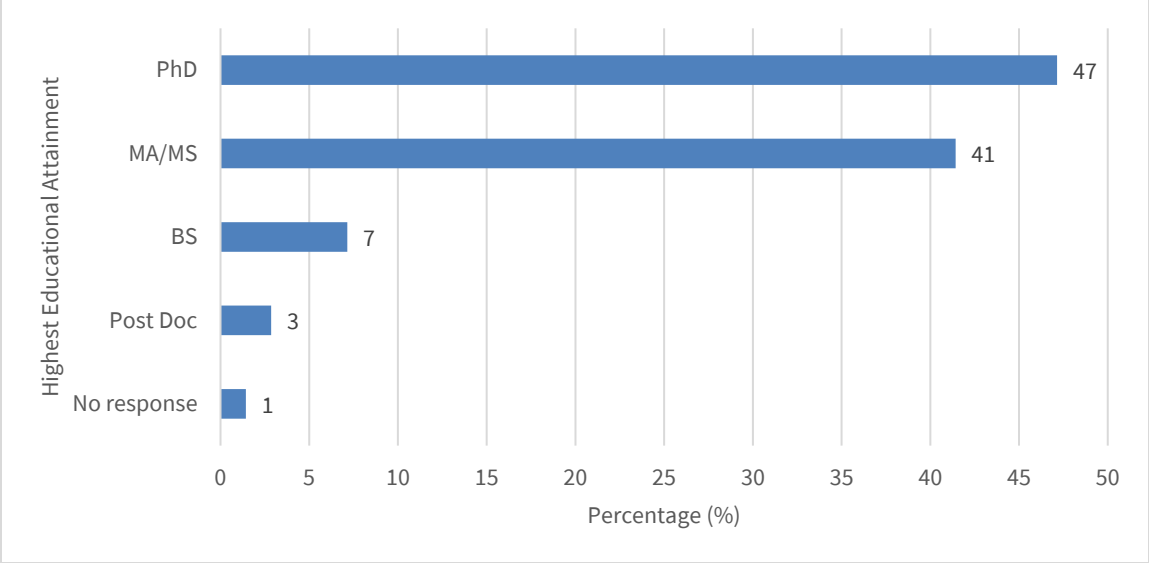

Figure C.3. Distribution of respondent's highest educational attainment (in percent)

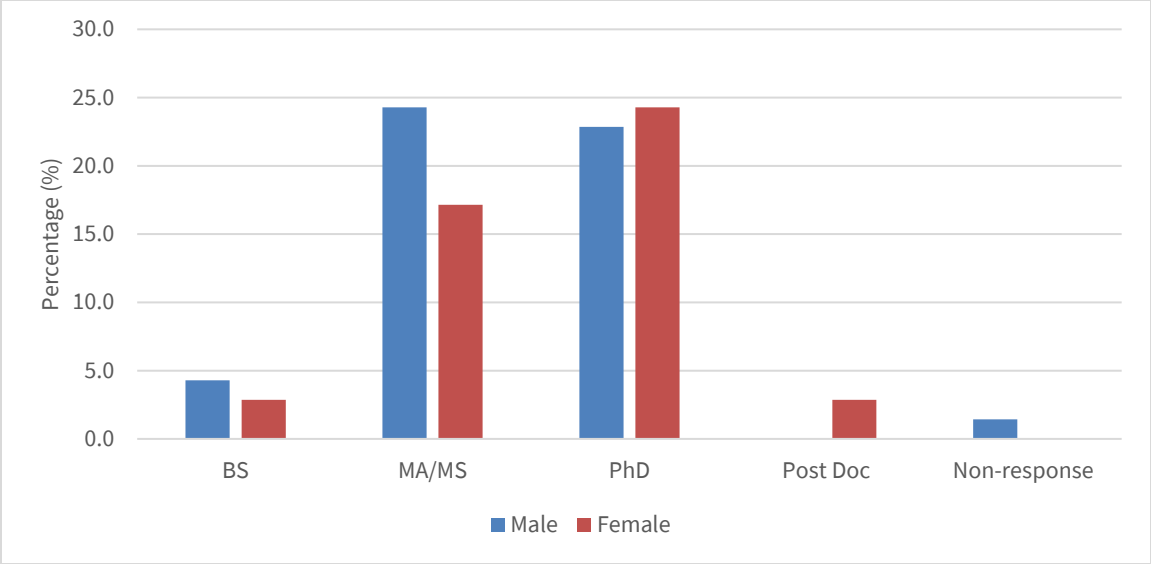

Figure C.4. Distribution of respondent's highest educational attainment by sex at birth (in percent)

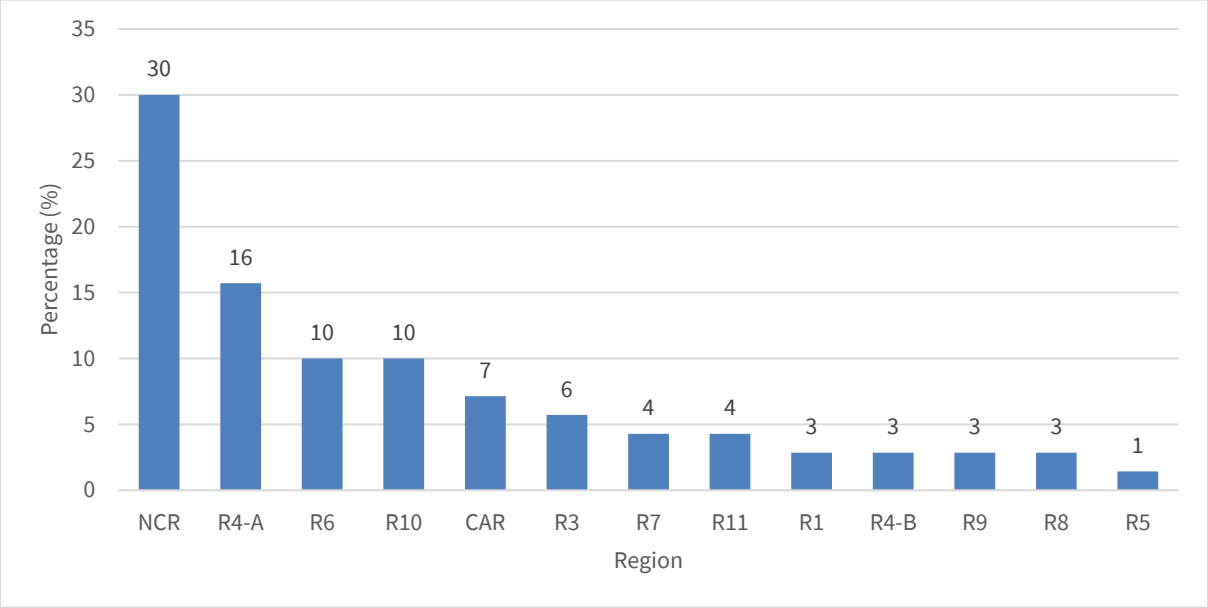

Figure C.5. Distribution of respondent's region (in percent)

Table C.3. Distribution of respondent being part of the Science Technology Research and Innovation Development (STRIDE) interventions of USAID

Response	Count	Percent (n=70)
Yes	57	81.43
No	8	11.43
I am not aware	4	5.71
Retired since April 2016	1	1.43

Table C.4. Distribution of respondent based on STRIDE interventions in Phase 2

General Information	Response	Count	Percent (n=57)
Skills in Technical and Advance Research Training (START) modules	Yes	37	64.91
	No	9	15.79
	I have no idea	11	19.30
Research & Development (R&D) knowledge	Yes	15	26.3
	No	14	24.6
	I have no idea	17	29.8
	No response	11	19.3
Professional Science Masters (PSM) Curriculum	Yes	20	35.1
	No	23	40.4
	I have no idea	14	24.6
Knowledge Technology Transfer Office (KTTO) Training	Yes	30	52.6
	No	15	26.3
	I have no idea	12	21.1
Research Grants Applications	Yes	17	29.8
	No	18	31.6
	I have no idea	22	38.6

Table C.5. Distribution of respondent to specific USG-supported program based on R&D knowledge

Response	Count	Percent (n=15)
Marketing the PSM program campaign	1	6.7
Training in Career Center Development and Coaching	1	6.7
USAID STRIDE (Graduate Scholarship, Learning and Awareness for Renewable Energy (Bioethanol) Innovation Workshop, WARP Grant)	4	26.7
Not Applicable	9	60.0
None	2	13.3
I have no idea	1	6.7

Table C.6. Distribution of respondent to activities organized by their institution as a result of the KTTO training

Response*	Count	Percent (n=30)
Establishment of KTTO	12	40.0
IP and Technology Transfer Awareness Campaign	10	33.3
Development of the KTT Policy	4	13.3
Establishment of TBI	2	6.7
Facilitation of Licensing Agreements	1	3.3
Conducted an Invention Disclosure Writeshop, Customer discovery session, Ideation workshop, Sessions for patent search, drafting and filing an IP application	2	6.7
Innovation Convergence	2	6.7
Establishment of partnership with the industry	2	6.7
Collaboration with researchers	1	3.3
KTTO-IMPACT Grant	2	6.7
Developed own Diploma Course on IP Management	1	3.3

**Multiple Response*

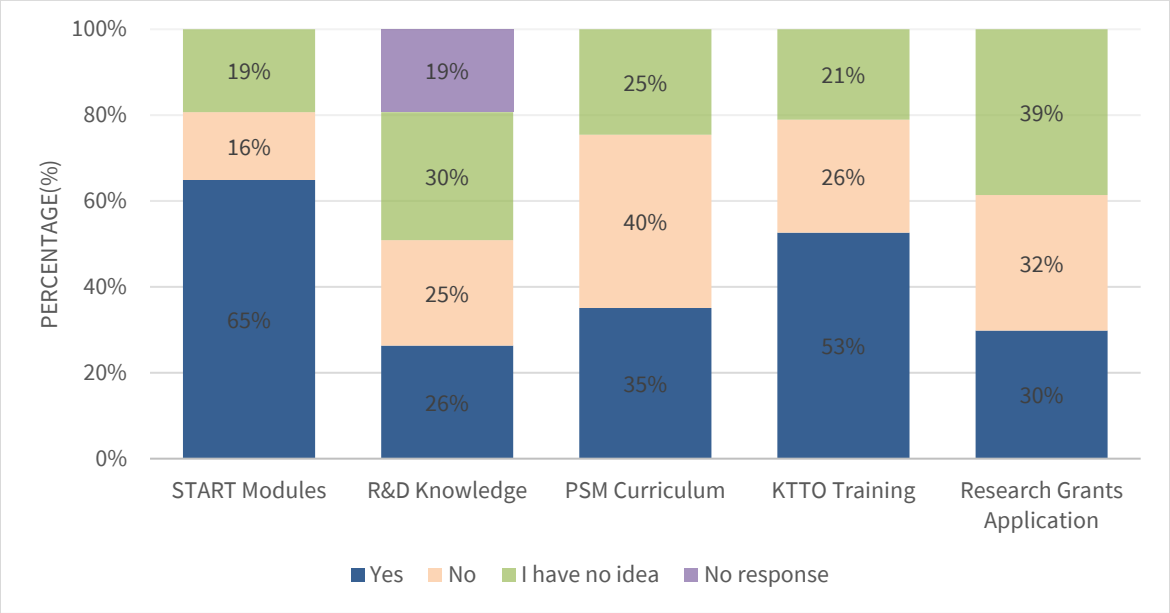

Figure C.6. STRIDE interventions in Phase 2, based on grantee assessment.

Table C.7. Distribution of respondent to number of research grant approved from 2018-2021

Number of Research Grant	Count	Percent (n=17)
One	8	47.1
More than 1	5	29.4
I have no idea	2	11.8
None	2	11.8

Table C.8. Distribution of respondent to the number of completed research funded by STRIDE from 2018-2021

Number of completed research	Count	Percent (n=57)
None	13	22.8
One	9	15.8
More than one	6	10.5
I have no idea	14	24.6
Not Applicable	15	26.3

II. PRODUCT INNOVATION [GOODS]

Table C.9. Distribution of respondent's product innovation [goods]

Product Innovation [Goods]	Response	Count	Percent (n=70)
Equipment	Yes	19	27.14
	No	26	37.14
	I have no idea	25	35.71
	Total	70	100.0
Journal Publications	Yes	23	32.86
	No	25	35.71
	I have no idea	22	31.43
	Total	70	100.0
Software Applications	Yes	12	17.14
	No	33	47.14
	I have no idea	25	35.71
	Total	70	100.0

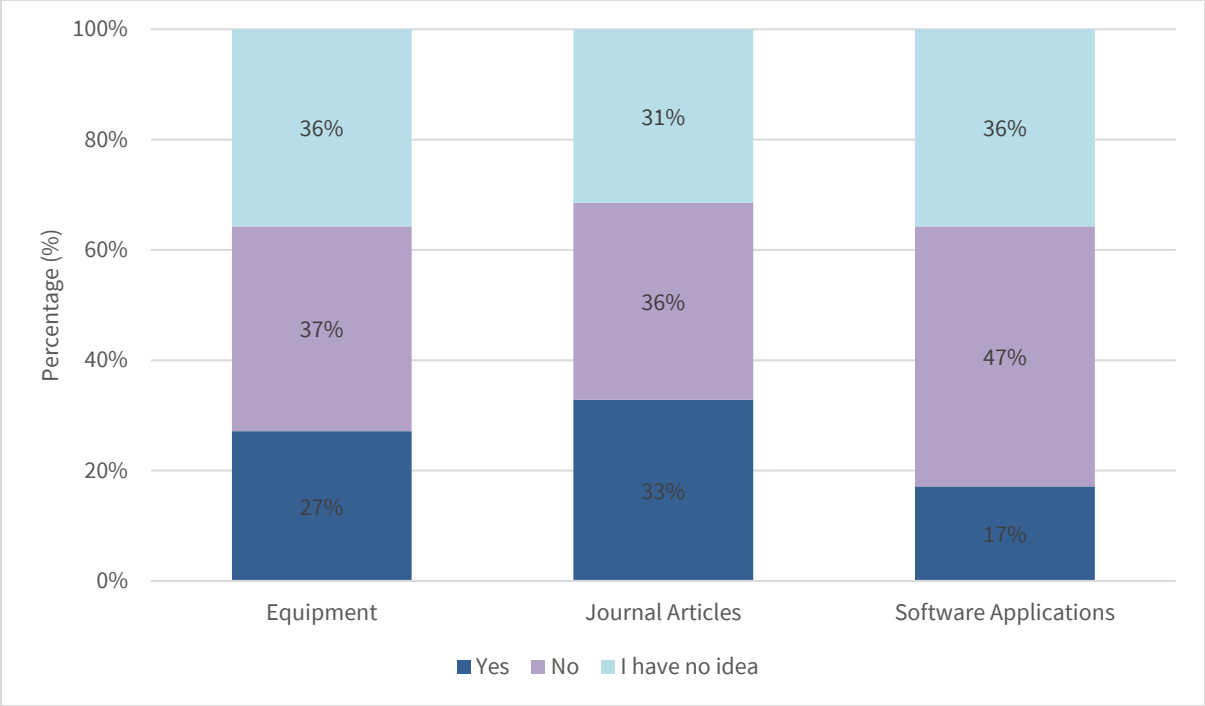

Figure C.7. Product Innovation (goods), by grantees

Table C.10. Distribution of respondent's other product innovation [goods]

Other Product Innovation	Count	Percent (n=70)
Training, Workshop, Seminars and Capacity Building	7	10.0
Career Center	3	4.3
Training Modules	1	1.4
Reference Books	1	1.4
KTTO	1	1.4
PASCO	1	1.4
Patents	1	1.4
Application Research	1	1.4
Analysis of Compounds	1	1.4
Health and Forensic Applications	1	1.4
Laboratory Enhancement	1	1.4
Washing area, temperature check and other health and safety measures and protocols	1	1.4
Project by Students for the Industries	1	1.4
None	11	15.7
I have no Idea	10	14.3
Not Applicable	28	40.0

Table C.11. Distribution of respondent's development of product innovation [goods]		
Response	Count	Percent (n=70)
Your institution by itself	24	34.29
Your institution together with other organizations	23	32.86
Your institution by adapting or modifying goods or services originally developed by other institutions/organizations	5	7.14
Other institutions or organizations	18	25.71

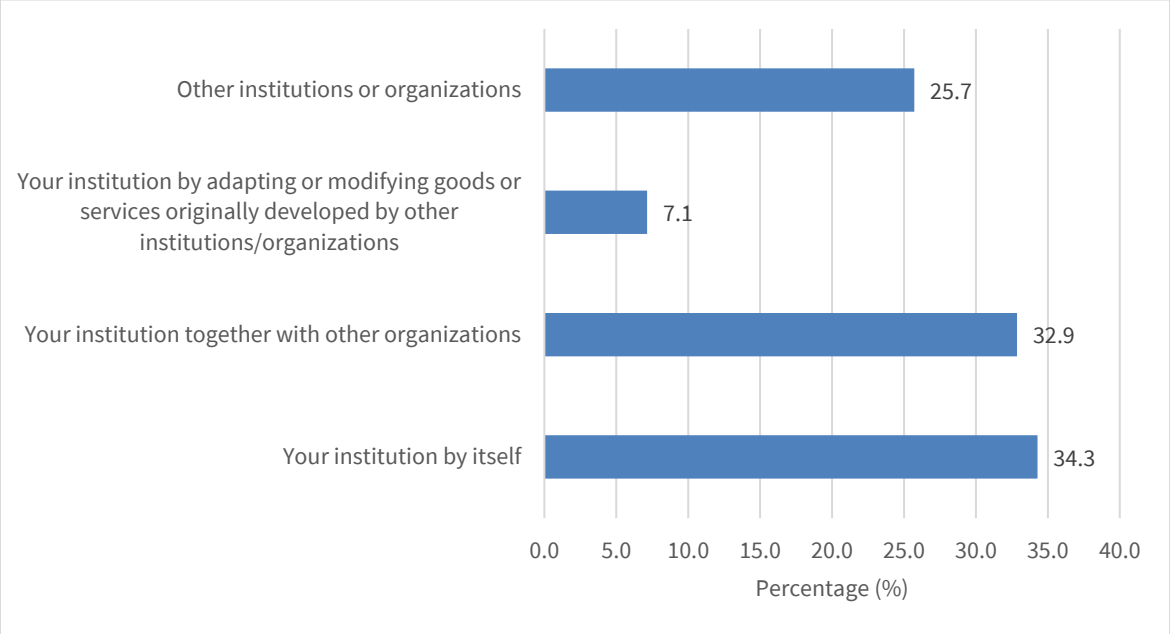

Figure C.8. Distribution of respondent's development of product innovation [goods] (in percent)

III. PRODUCT INNOVATION [SERVICE]

Table C.12. Distribution of respondent's product innovation [service] (in percent)

Product Innovation [Service]	Response	Count	Percent (n=70)
Professional Science Master (PSM) Curriculum	Yes	20	28.57
	No	29	41.43
	I have no idea	21	30.00
	Total	70	100.0
Knowledge Technology Transfer Office (KTTO)	Yes	36	51.43
	No	17	24.29
	I have no idea	17	24.29
	Total	70	100.0
Career Centers	Yes	28	40.00
	No	18	25.71
	I have no idea	24	34.29
	Total	70	100.0

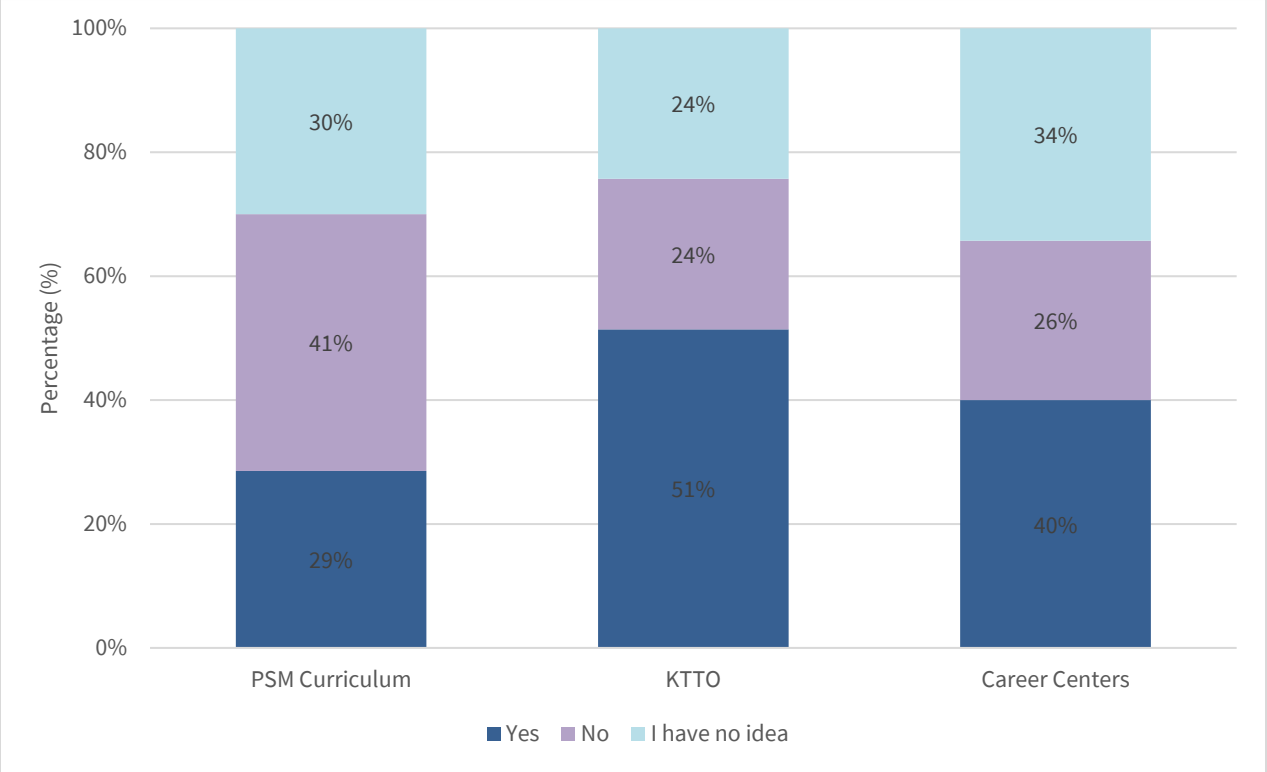

Figure C.9. Product Innovation (Services), by grantees

Table C.13. Distribution of respondent's development of service innovation (in percent)		
Response	Count	Percent (n=70)
Your institution by itself	23	32.86
Your institution together with other organizations	36	51.43
Your institution by adapting or modifying goods or services originally developed by other institutions/organizations	11	15.71

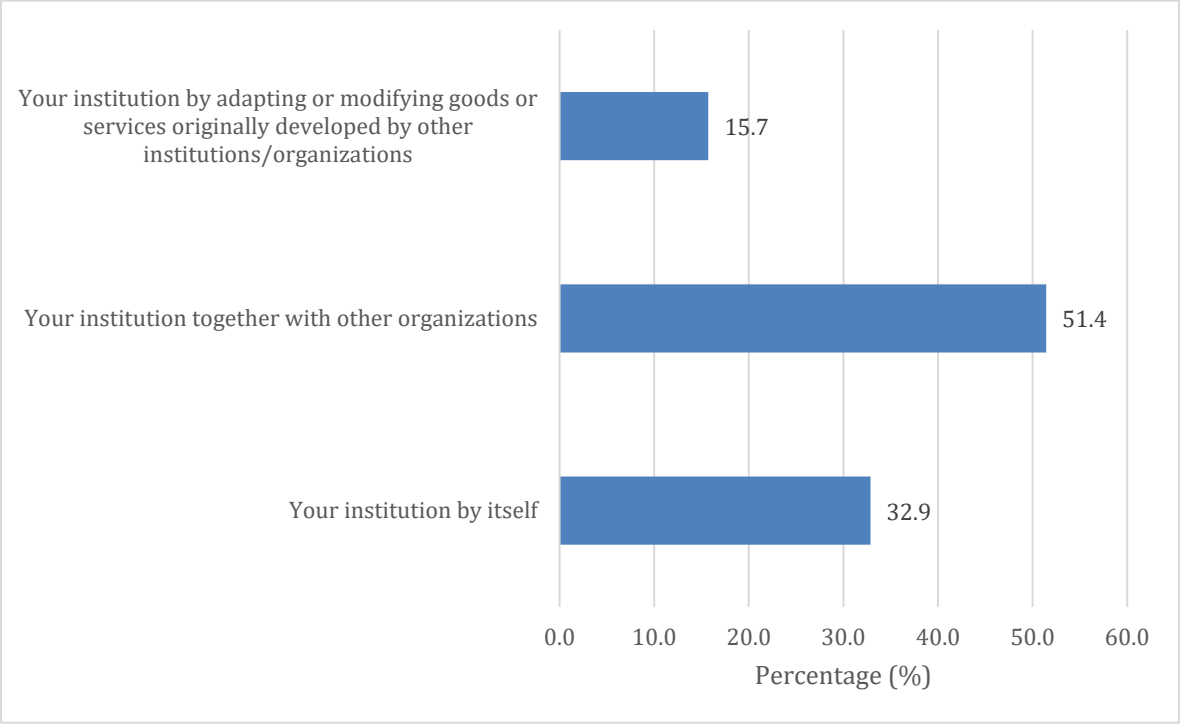

Figure C.10. Distribution of respondent's development of service innovation (in percent)

Table C.14. Distribution of respondent's development of product innovation [goods or services]			
Product Innovation [Goods/Services]	Response	Count	Percent (n=70)
New to Discipline	Yes	24	34.29
	No	27	38.57
	I have no idea	19	27.14
	Total	70	100.0
New to Institution	Yes	21	30.00
	No	28	40.00
	I have no idea	21	30.00
	Total	70	100.0

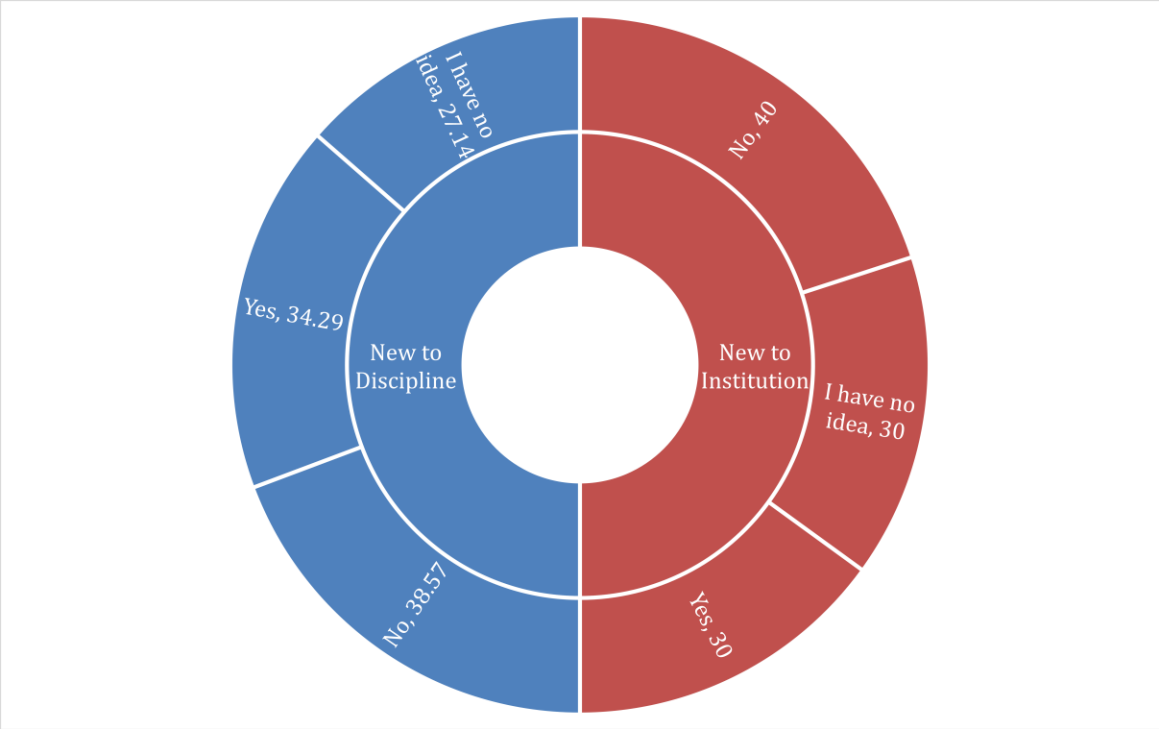

Figure C.11 Distribution of respondent's development of product innovation [goods or services] (in percent)

IV. Rank Interventions

Table C.15. Distribution of respondents on ranking different interventions that contributed more to the improved capacity to innovate (in percent)

Interventions	Response	Count	Percent (n=70)
Technical assistance and its various forms	Rank 1	23	32.86
	Rank 2	10	14.29
	Rank 3	15	21.43
	Rank 4	16	22.86
	No Response	6	8.57
	Total	70	100.0
Strengthening links between innovation stakeholders	Rank 1	18	25.71
	Rank 2	14	20.00
	Rank 3	16	22.86
	Rank 4	17	24.29
	No Response	5	7.14
	Total	70	100.0
Policy improvements	Rank 1	12	17.14
	Rank 2	16	22.86
	Rank 3	16	22.86
	Rank 4	21	30.00
	No Response	5	7.14
	Total	70	100.0
	Rank 1	12	17.14

Institutionalization of STRIDE capacity building programs	Rank 2	11	15.71
	Rank 3	24	34.29
	Rank 4	18	25.71
	No Response	5	7.14
	Total	70	100.0

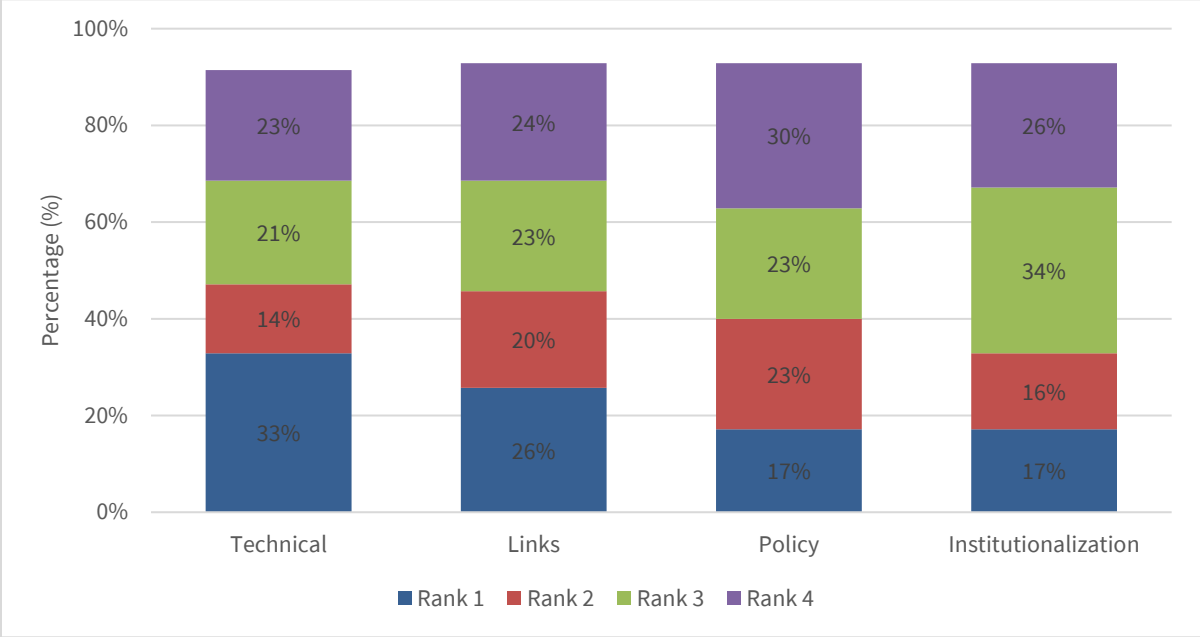

Figure C.12. Distribution of respondent's rating on STRIDE strategies (Integrated)

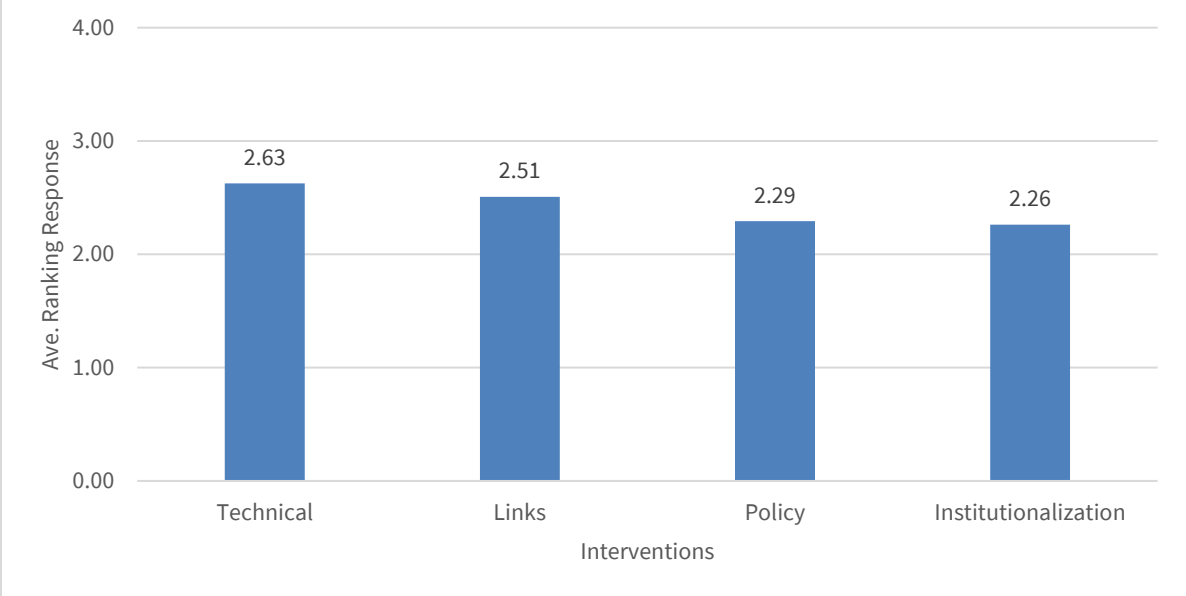

Figure C.13. Average ranking response on STRIDE strategies at different level of analysis