

IDDS 
SISAKET
Thailand 2017

Final Data Summary
July 21 – August 5, 2017

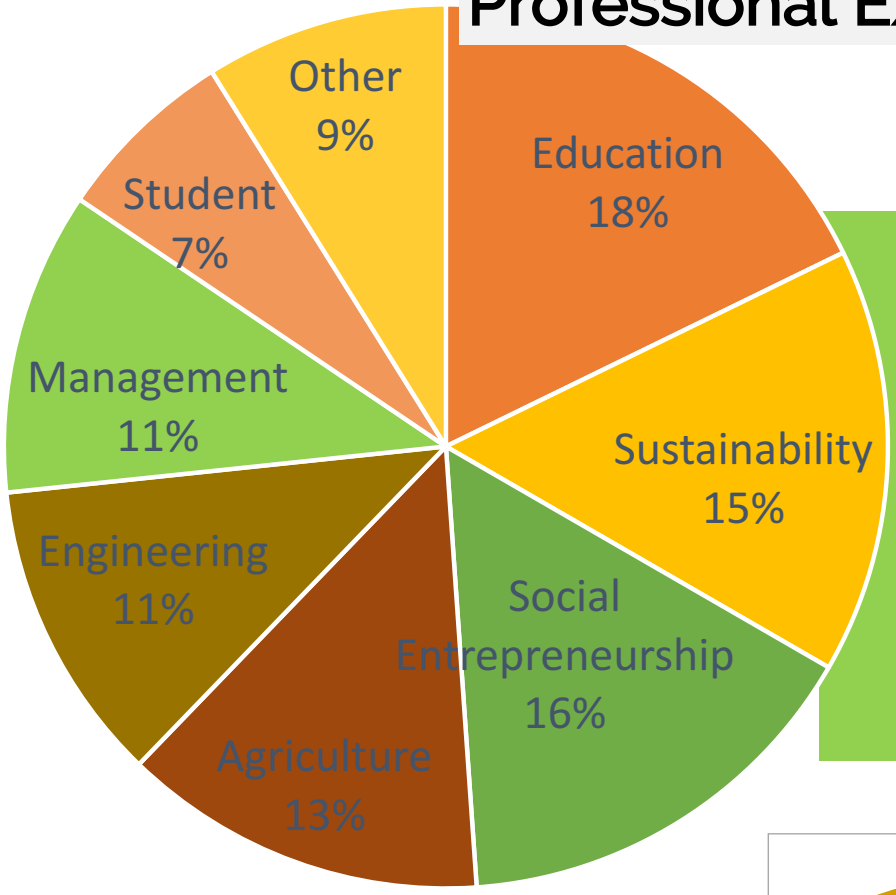
2 weeks
25 participants
6 prototypes



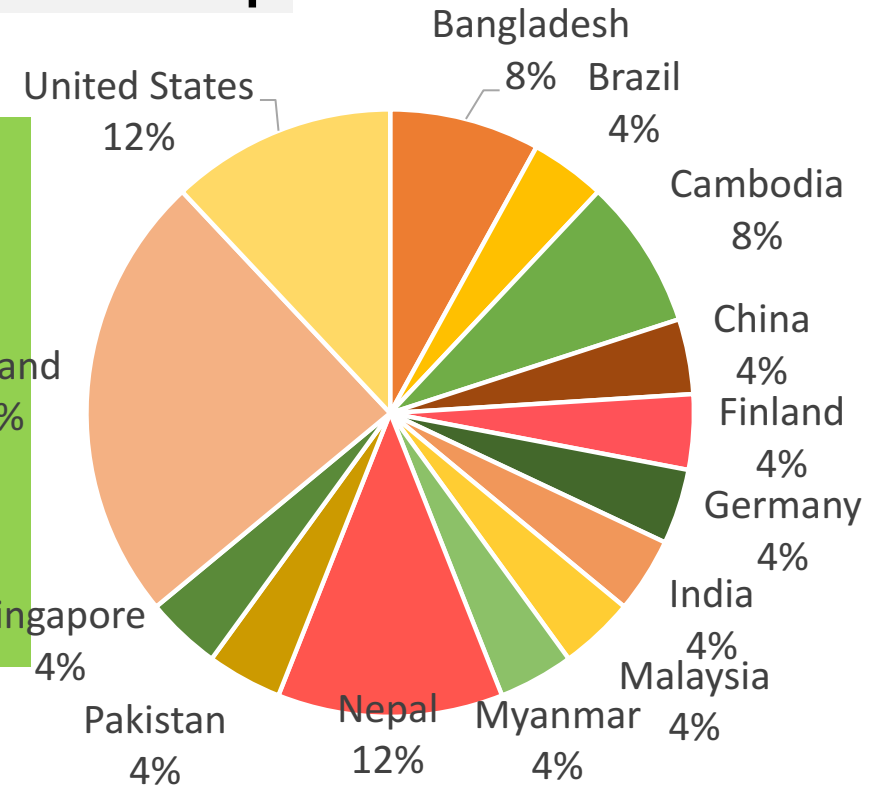
1. Who are the participants?



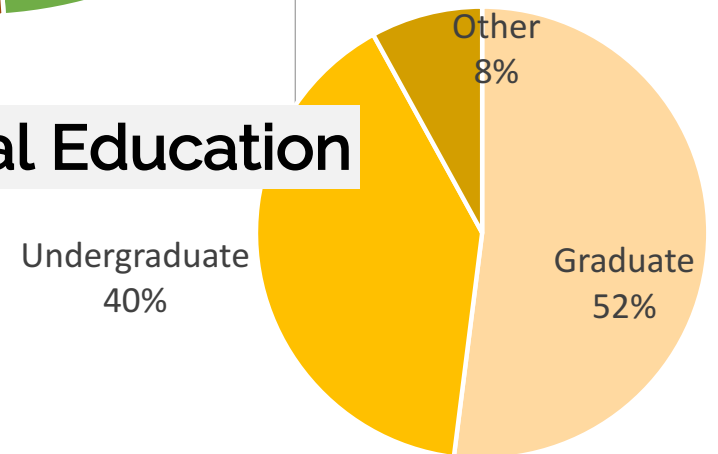
Professional Experience



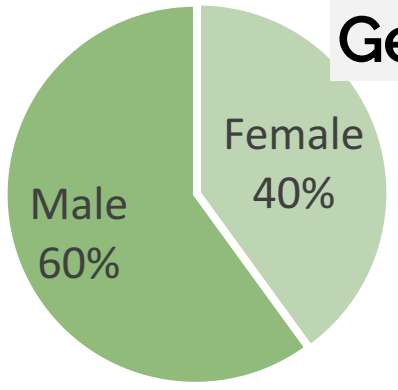
Citizenship



Formal Education



Gender



N= 25

*Local participants were recruited heavily for several months leading up to summit, with different degrees of engagement throughout the summit depending on availability.

“Between now and the end of IDDS, what do you most hope to accomplish?”



N= 25

1-4 responses possible

Number of Respondents

“My short-term goals in this summit are to **learn** new innovative ideas, **select** applicable and **replicable ideas** in the summit and **share** experiences with the participants.”



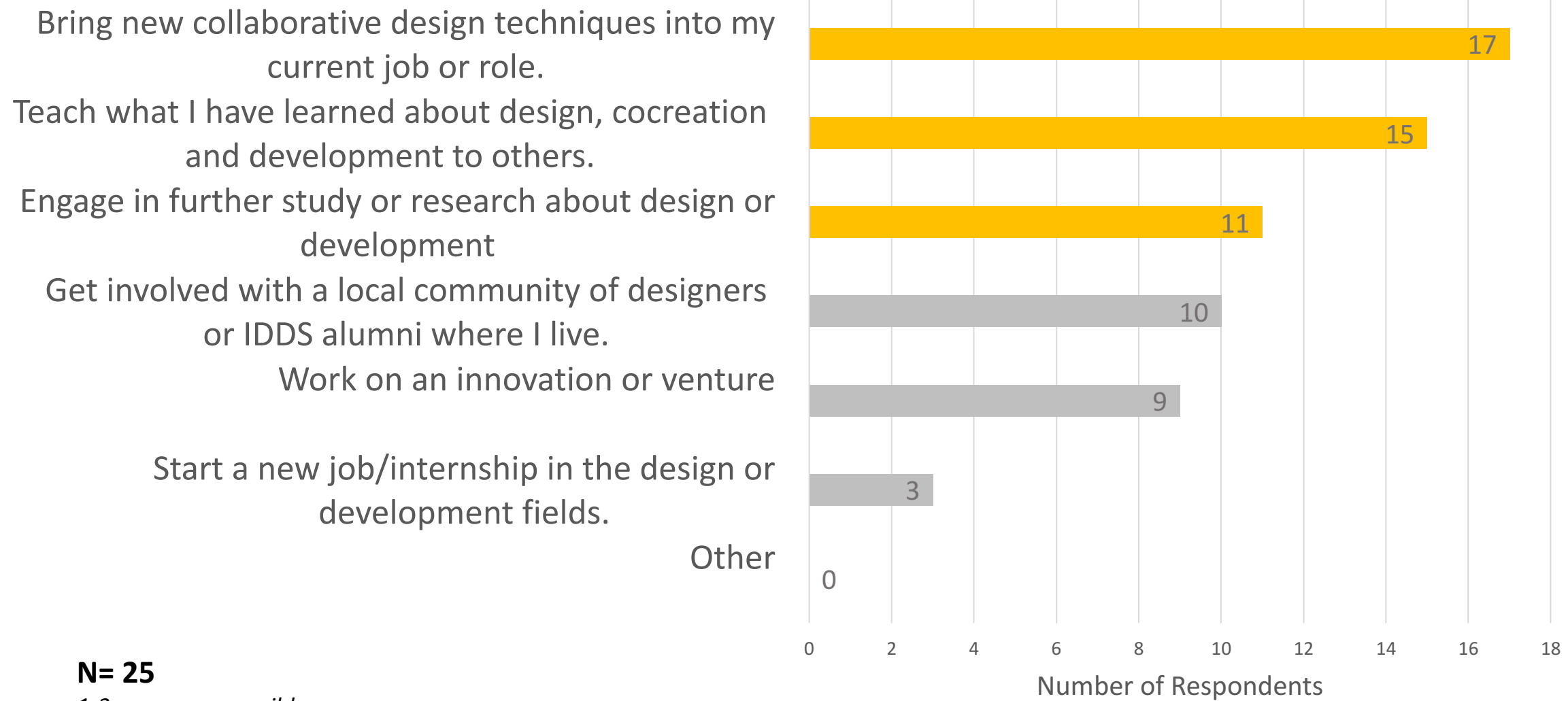
“Support a **dynamic and enthusiastic team** tackling a challenging design problem. Facilitate **investigation of the problem** and **create a creative thinking environment**. Form an innovative solution that can be **prototyped** by the end of the summit.”

“To work on **ideation, design and development** processes. To have experience **working with tools** and **with local community** to build product that will be useful. To **experience Thai culture and food**”

“I want to do **something meaningful** and **learn new things** and at the same time, hopefully **contribute** my knowledge. Hopefully, someone will **learn something from me too.**”

“To get to meet and know more people and to **get inspiration on what I want to do in the future.**”

“What do you MOST hope to accomplish in the 12 months after IDDS?”



N= 25
1-3 responses possible

”**Share** what I have learned from IDDS to my colleagues.”

“I hope to **incorporate elements of what I learned** here to the students I teach back home.”

“I want to **apply design thinking and co-creation approach** to my community project at my farm.”

“I would love to **keep working on the projects** that we work on here at IDDS Sisaket after returning to my hometown. My country is also facing similar issues or challenges that IDDS Sisaket is focused on so I would like to **use the things learned from here for the development of people in my country.**”



“I work in the corporate leadership development space, and am really interested in thinking about how to **integrate design thinking and creativity into our offerings**, through both the content we offer and how we deliver it.”

“After the summit, I would like to be more involved with IDIN and also would love to **work directly with MIT D-Lab.** I am implementing some large scale projects on Agriculture... I would love to collaborate with D-Lab and IDDS.”

For me, IDDS will be a success if...



"People are **open minded.**"

"We **ask the hard questions** and spend the next two weeks working together with community stakeholders to answer them."

"We all partners in the summit, organizer, facilitators, participants and villages are well cooperated and understand the real needs of the community and find out the solution to **sustainable development** in Baan Hang Wao."

"We develop the **self-awareness** needed for successful design."

"These **driven people** learn of ways to have an impact **beyond this project.**"

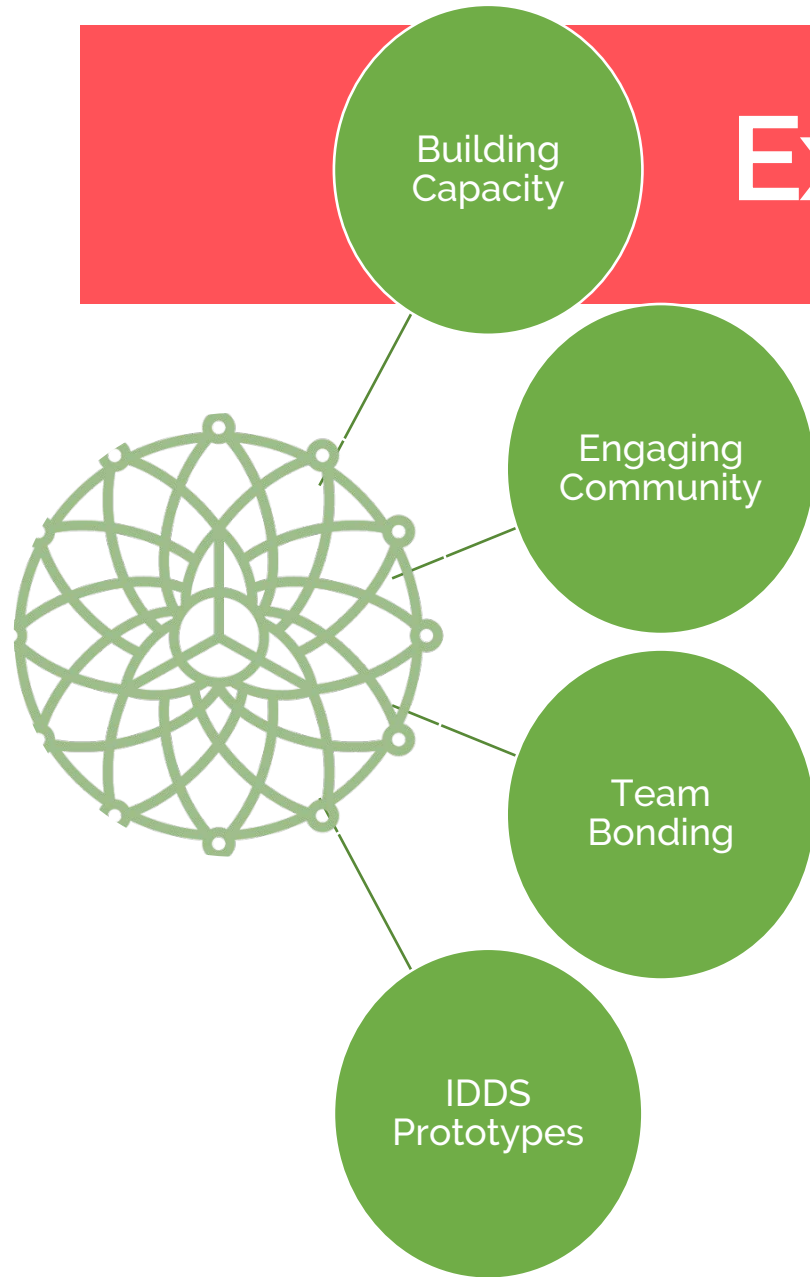


2. What did participants do?



Activities

Experimental IDDS Experience



This summit brought together a mix of facilitated sessions combining **IDDS** and **DSIL** human-centered design training, with expertise from **Raitong Organics Farm**.

Harnessing this learning, participants worked in **diverse teams**, across **dynamic experiences**, to build low-cost solutions centering local community needs.

BUILD-ITS!

Building Capacity

Participants chose from several ‘build-it’ sessions designed to **cultivate new skills**, ranging from metalworking to data science.

These sessions helped prepare participants for their IDDS projects. This is a core component of the IDDS curriculum.



“Mooooo(h)!” | A Thammasat University student, Moh (one of the IDDS Sisaket apprentice design facilitators) builds a cow bell with a Baan Hang Wao community member.

DEMOS

Engaging Community



Organizers integrated several community demonstrations into the summit. These were scheduled sessions intended to **engage community members** in hands-on activities.

This encouraged community members to participate throughout the summit, as well as catalyze potential future programming.

Sustainability in action | One of our participants, Sanu, brought materials all the way from Nepal to demonstrate his version of a briquette press, recycling local materials.

THAI MEALS, FOOD FOREST, and BONDING

Team Bonding



Participants were treated to a variety of Thai cuisine throughout the summit, including classic dishes from the northeastern Isaan region. This was an important time to rest for team members, as well as to engage with individuals on other teams.



Part of the IDDS experience involved working and living on our local partner's **organic farm**, within the local village. Participants helped plant a **food forest** as part of a morning of service.



Participants and organizers took a full day off to catch up on sleep, spend time with each other, and visit **Khao Phra Wihan National Park** (where it's possible to see the intersecting borders of Cambodia and Thailand), as well as perform poetry, sing, and dance in a **Culture/Talent night**.

Prototypes



perng-pa



perng pa is a social entrepreneurship cooperative based in the Baan Haan Wao village of Sisaket, Thailand.

perng pa's mission is to empower silk weavers who utilize techniques passed down from generation to generation to organically produce the highest quality Grade A silk.

In addition, perng pa wishes to provide an opportunity to local youth to design and create silk products for untapped markets.

Through the power of collaboration and entrepreneurship, perng pa will change the perception of silk products for the local Ban Haan Wao community.

(perng pa in Thai represents the extension of the house that is used for weaving silk.)



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SILK ARTISAN ENTREPRENEURSHIP

Intergenerational silk production

Villagers' silk products are disconnected from markets with appropriate buying power and demand. Silk is considered a high-value product that is purchased for special occasions, such as going to the temple, to weddings or as a gift. Through creative engagement methods, the team brought together youth and elders in the village to collaborate on this project. The team designed two prototypes: (1) A collection of silk products co-created with the silk weavers and sold to the IDDS community. These products included three sizes of shoulder bags, small satchel bags, blouses with silk pockets, and fisherman pants with silk accents. (2) A fashion show organized by the village youth and held during the final IDDS expo, in which the prototyped silk products were displayed.



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WASTE MANAGEMENT

Local waste management educational activities

Almost all surveyed villagers burn waste, either in the rice paddies or near their houses. They also noted that most of this burning happens in the late afternoon, and creates smoke/pollution which smells and can be a nuisance to neighbors. A sizeable percentage of the waste that is burned in Baan Hang Wao consists of tetra packs – the paper-ish material used to make things like small and large juice boxes, which is not recyclable here. The team focused on tetra packs – an easy to clean, high use product - in an effort to 1) physically reduce trash that would otherwise be burned, 2) demonstrate how to re-imagine the idea of “waste”, and 3) create items that can be used for play by children.



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RURAL HEALTH

Sook Sisaket: Local health club initiative

Diabetes and hypertension are common health problems indicated by the villagers. Local health volunteers think it is due to the villagers' diet and insufficient nutrient intake. The team designed a series of simple exercises for villagers, emphasizing adults. The team created basic exercise equipment using local bamboo to supplement the exercises. Their project was rapidly taken up by local villagers who had wanted to establish similar initiatives, working with the team to establish a health club who meets daily to lead each other in different exercises.



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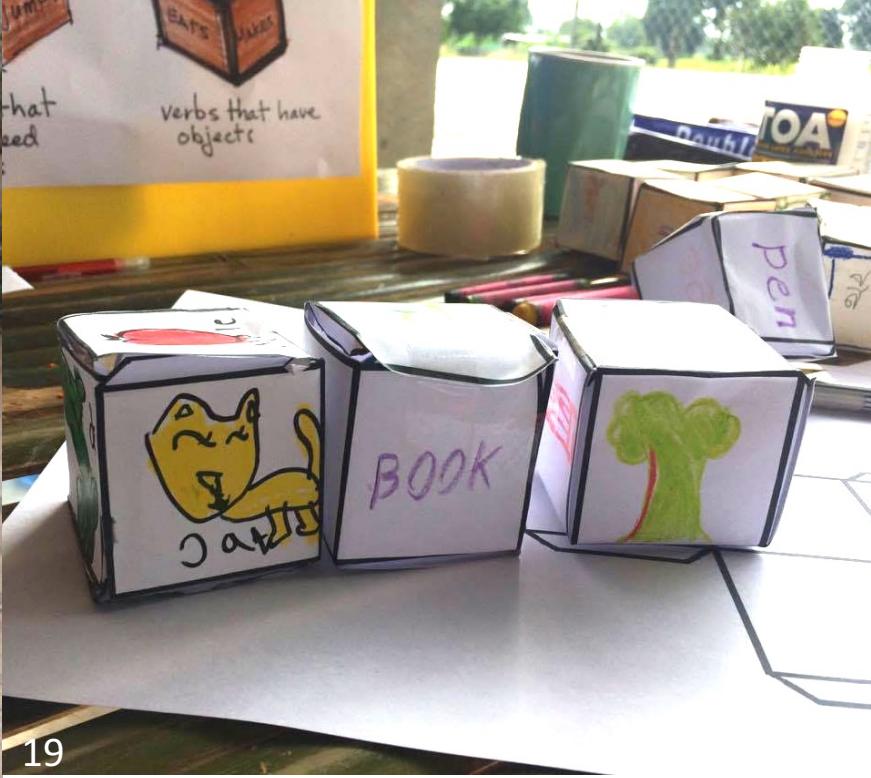
PEST MANAGEMENT

Rice field snails

Farmers have trouble getting rid of snails and weeds organically. Most utilize chemicals for pest control, specifically for snails, an invasive species to the region. These chemicals are expensive and with the market price of rice dropping, farmers are continuously trying to lower labor costs. This team designed an experimental intervention using locally bred ducks. They built a large pen to house the ducks, and worked with a local partner to coordinate a strategy for experimenting use of ducks to eliminate snail pests.



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INTEGRATED EDUCATION

PLEARN: game-based approaches to English language learning

The local school identified English language learning as a critical need. The principal’s vision for students’ English skills is connected to new macro development in international relations within Thailand, and he is determined to set his students up for success as part of building Thailand’s future. To assist in this endeavor, the team developed a series of activities to assist in learning English. Guided by a game-based approach, the activities were designed such that local teachers can integrate them into their existing curriculum.



ORGANIC AGRICULTURE

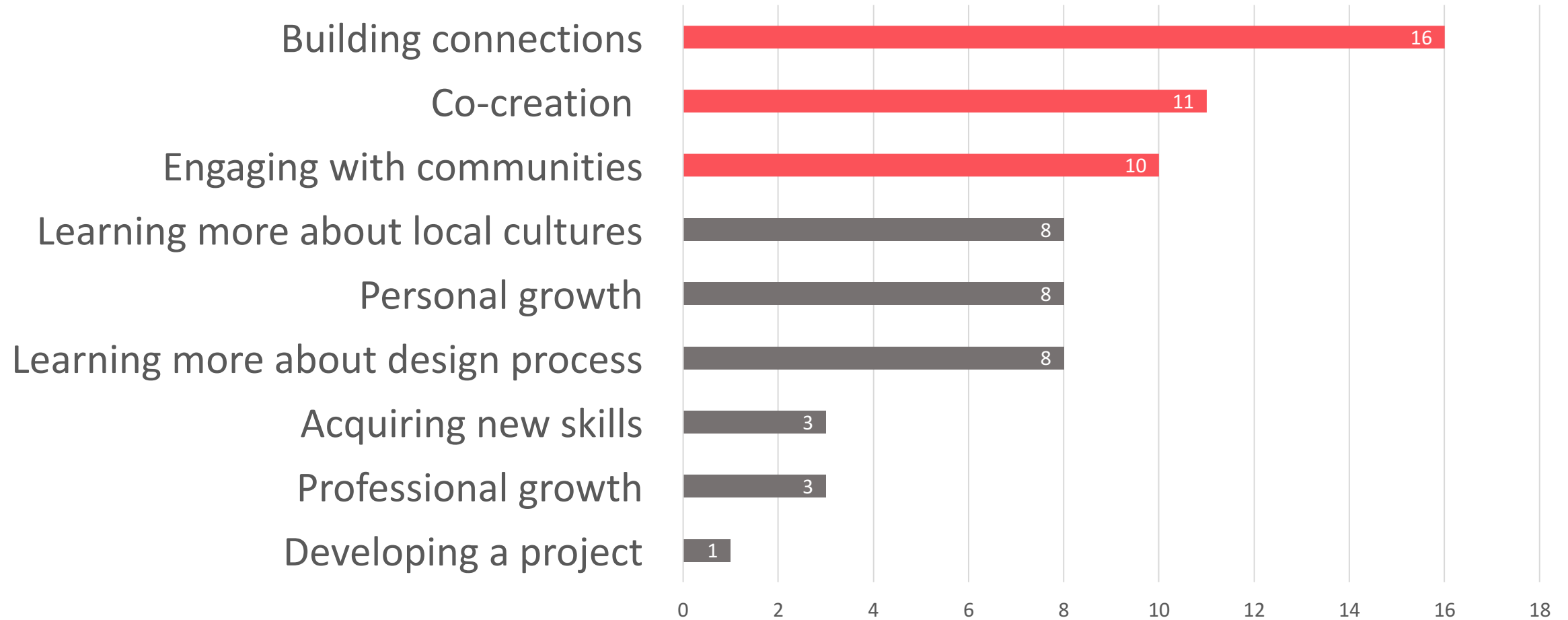
Organic removal of weeds

Local farmers have identified weed control as a major difficulty for tending their rice fields. Usual methods require bending down to pull the weeds by hand or utilizing heavy tools. The team designed a double blade weed killer intended for use in between rice paddy rows and to increase ease of use without sacrificing efficiency. The team improved on an existing model designed by a local farmer using a spectrum of different specifications and community feedback to create their final prototype.



Final Reflections

“Please share your thoughts on the value of IDDS. What aspects of the IDDS experience have been most valuable to you, and why?” (Coded responses)



N= 24

"IDDS **created a unique space** for like-minded people with diverse background to work together with communities on real problems.

it gets me to **truly understand** design thinking as I got to learn and implement it to real social problems...

I **made connections** with other unique participants who are driven to make changes....

The build it sessions were also inspiring [and] made me realize I **could learn to do things although I have never done it before**....

Working with the community made me see that community members **have potential** to learn and create something new within a short period of time."

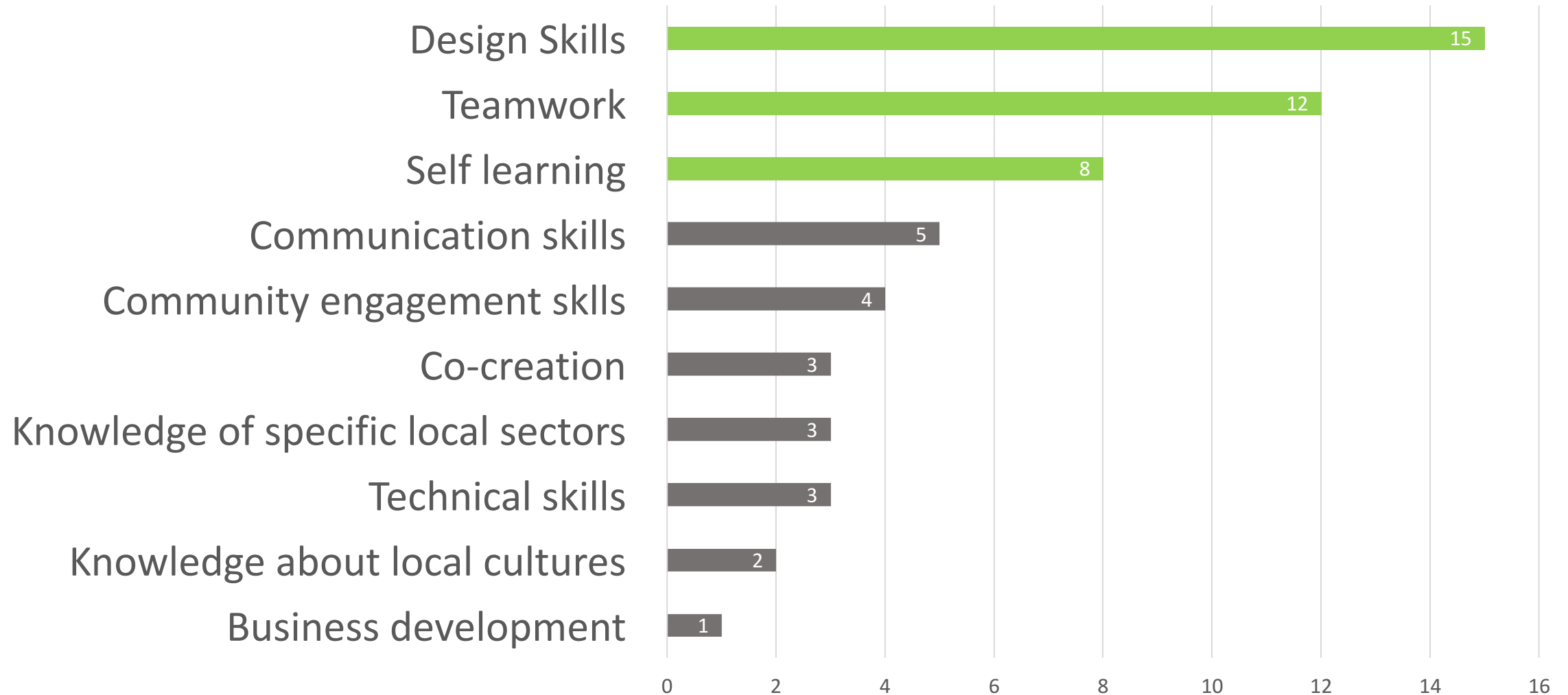
"Working on a diverse group for local community and coming together for **sustainable solution** was great experience for me as we have different views , skills and vision.

It has **strengthened my vision** in this era of globalization."

"IDDS forum is a platform where participants can **dance with their cultures,** experiences. I value the co-creation technique most."

"It's a great opportunity to **work with people around the world** sharing views and ideas which not only benefits this community but also the **community from where we come from**. After this summit, every participant can contribute to work further on different aspects, **creating a global community**, which is absolutely amazing."

“What skills and/or knowledge do you feel you have gained or developed over the past two weeks as a result of participating in IDDS?” (Coded responses)



N= 24

“An understanding of **each step** of the human centered design process.”

“I have gotten a lot **more comfortable** with different methods in the design process. I really enjoyed the session on empathy and deep listening and think that **I will remember a lot of that both in my personal life and work.**

It was also an **intense** but really good **team work experience** where **I learned a lot about myself.** I think I have never gotten so much feedback on the way I operate in a team, so that was really helpful.”

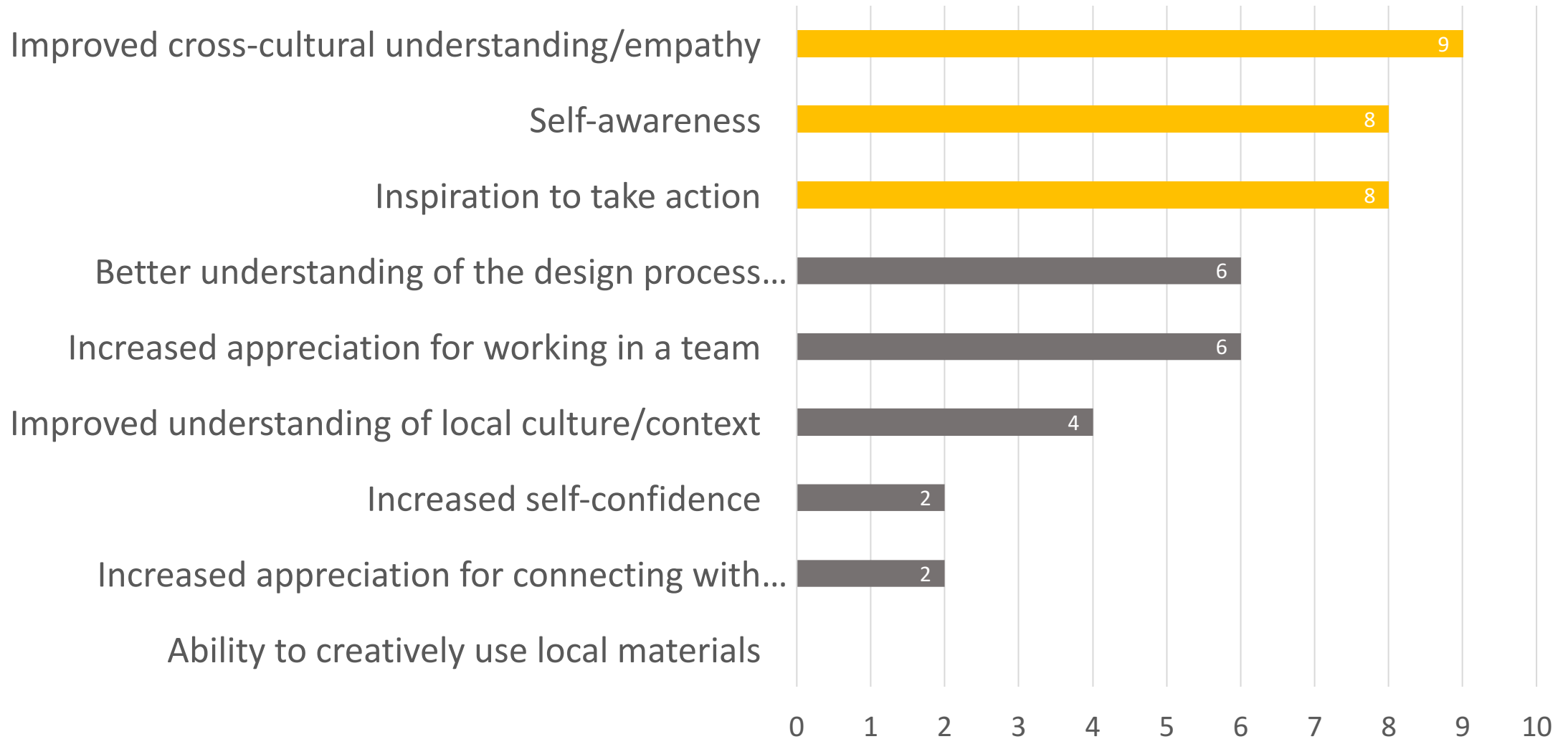
“IDDS refined my thought process of **addressing challenges**, specially the design process was an excellent learning for me. So my skills on design process will be very useful.

Also I am now **more confident** to make our academic partners more engaged in our programs and projects as I reconfirmed the importance of the **role of academia** in development process, which is missing at some extent [in my home country.]”

“I see teamwork in **a completely new light.**”

“This was a good **opportunity for me to reflect**, specifically on what it mean to work within such a diverse group.”

“Have your attitudes or perspectives changed in any way over the past two weeks as a result of participating in IDDS?” (Coded responses)



N= 24

Yes, I have come to believe in the value of the human centered process in an international development community. In particular, the focus on **understanding the people** that we are designing for allows for solutions that are appropriate in the particular context.

“Often, we create solution with top down approach but **this experience taught me to listen and really understand** the users in order to come up with solutions that fit them (as opposed to a top down approach).”

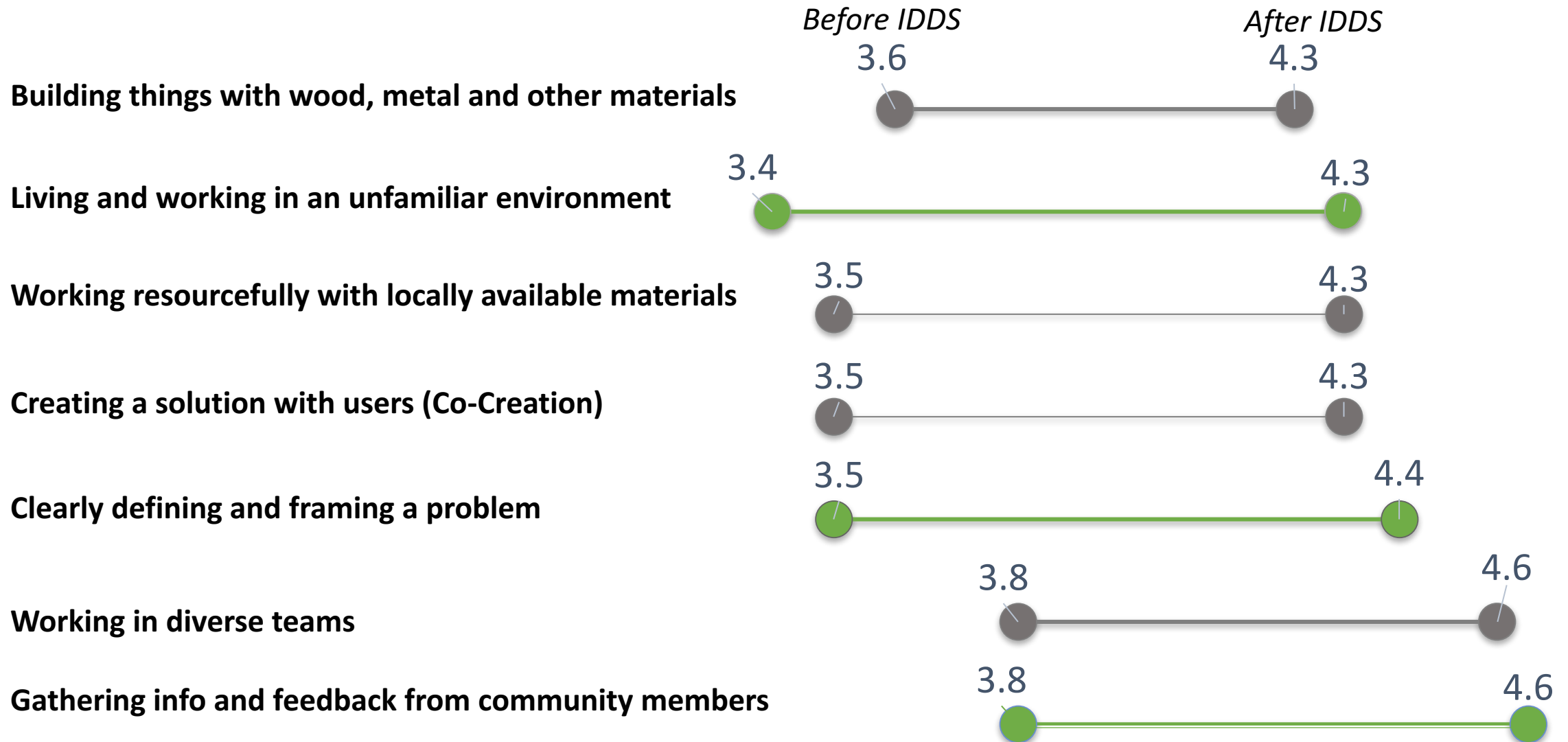
I have a better attitude in working for a community, **I feel more hope and new ideas and possibility** for my farm and community.

Yes, first thing is “people over process over product” rule of the project. Actually it's always hard to keep people in the center of project but its important, and **at IDDS we take this hard way** and did as much as we can to **keep people in the center**. This attitude can be very important to actually make change in the lives of people.

Yes , my perspectives on **processing of ideas, and understanding people and environment have grown**. IDDS has **grown my vision** and thoughts of possibilities for taking humanity as religion for serving social problems.

Changes in Confidence Levels

Average Self-Assessed Rating Before and After IDDS

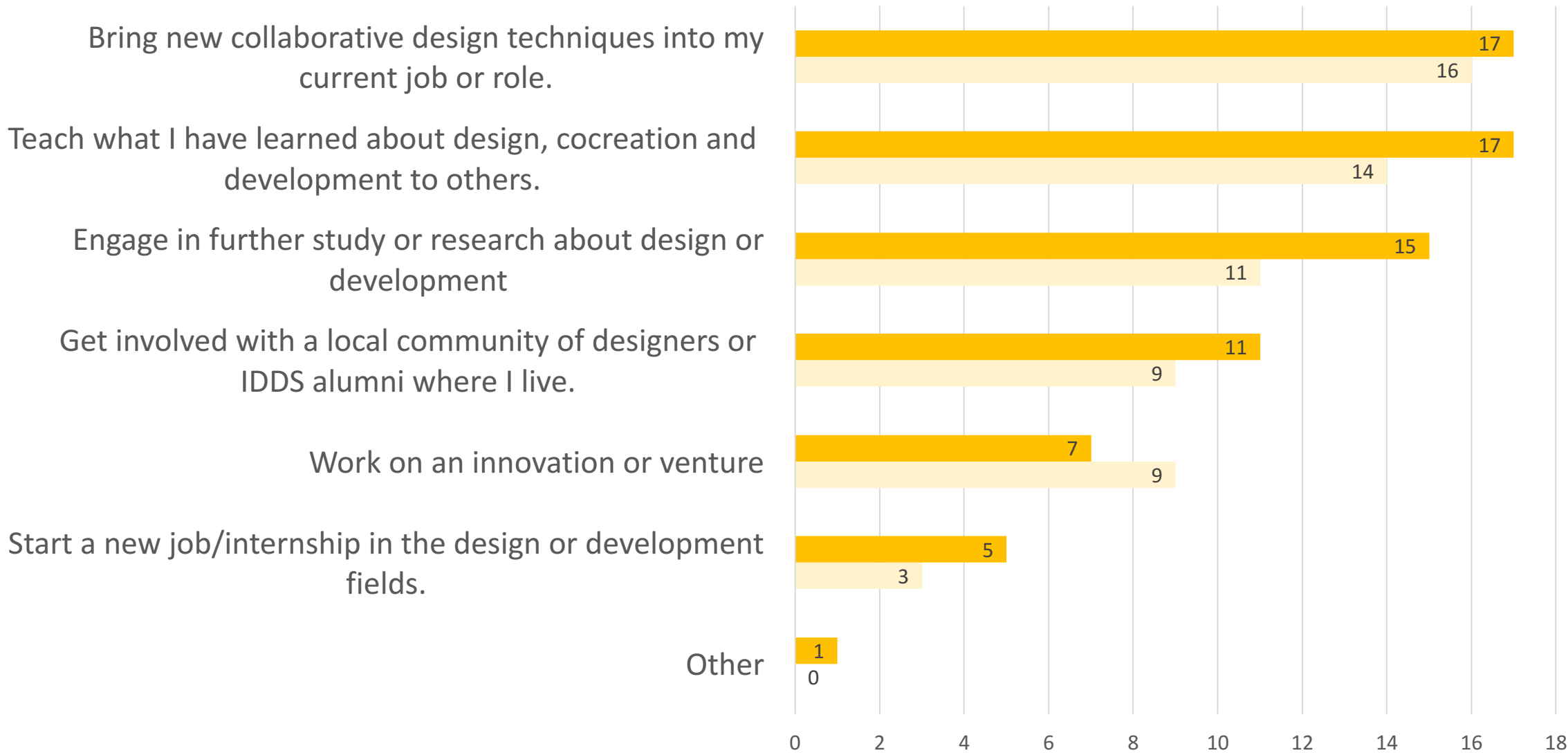


Rating scale of 1-5 was used

3. What happens next?



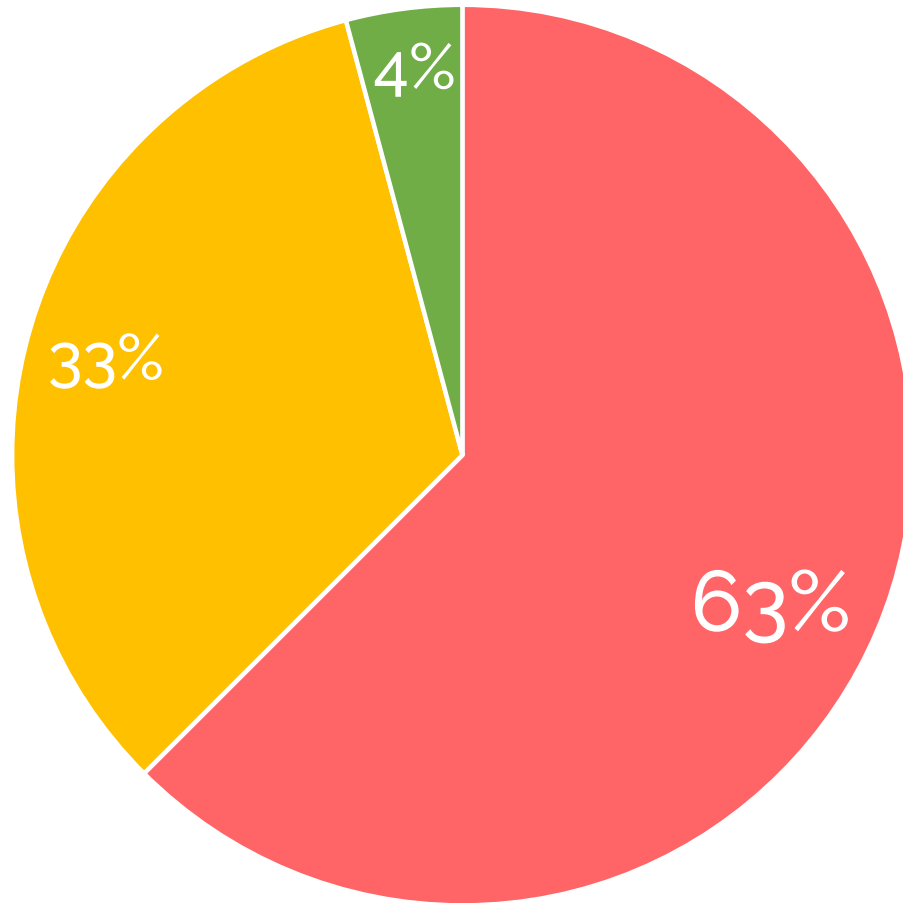
“Now that you've completed IDDS, what are your primary goals in the next 12 months?”



N= 24

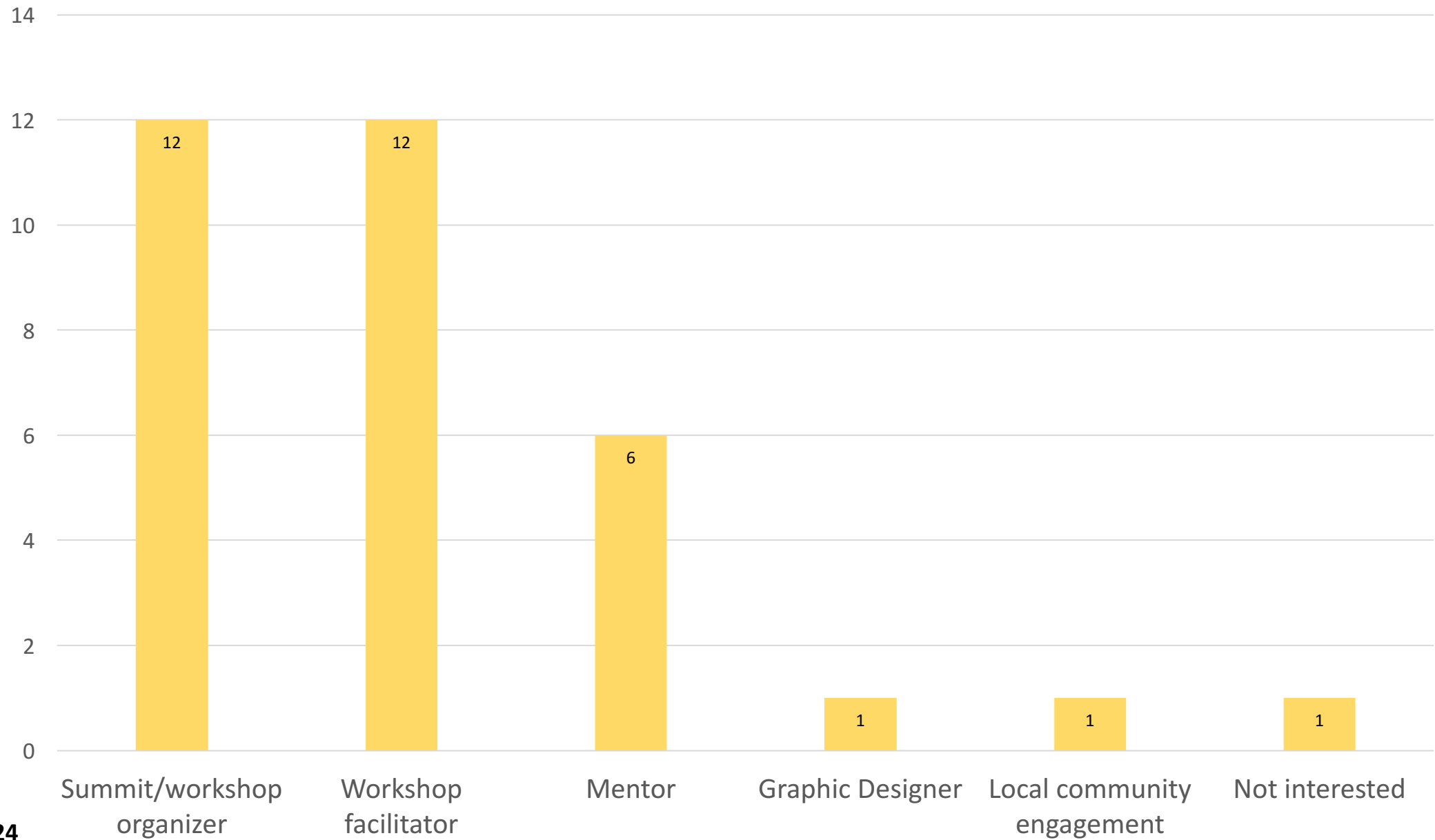
■ Post-Survey ■ Pre-Survey

“How do you plan to continue working on your IDDS project in the future?”



- I will stay in touch to check up on progress, but I will not work on it actively.
- I plan to actively continue developing the project
- I have no plans to continue with this project after IDDS.

Future Involvement with IDDS Sisaket



N= 24

Thank you! ขอขอบคุณ

Special thanks to the IDDS 2017 Sisaket M&E Team:
Areeya Tivasuradej and Debbie Tien

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