

# Development of an Evaluation Framework and Interactive Visualization for Teaching and Learning Enhancement Fund Projects

Adriana Briseño-Garzón, Sarah Perez, Ido Roll, Andrea Han

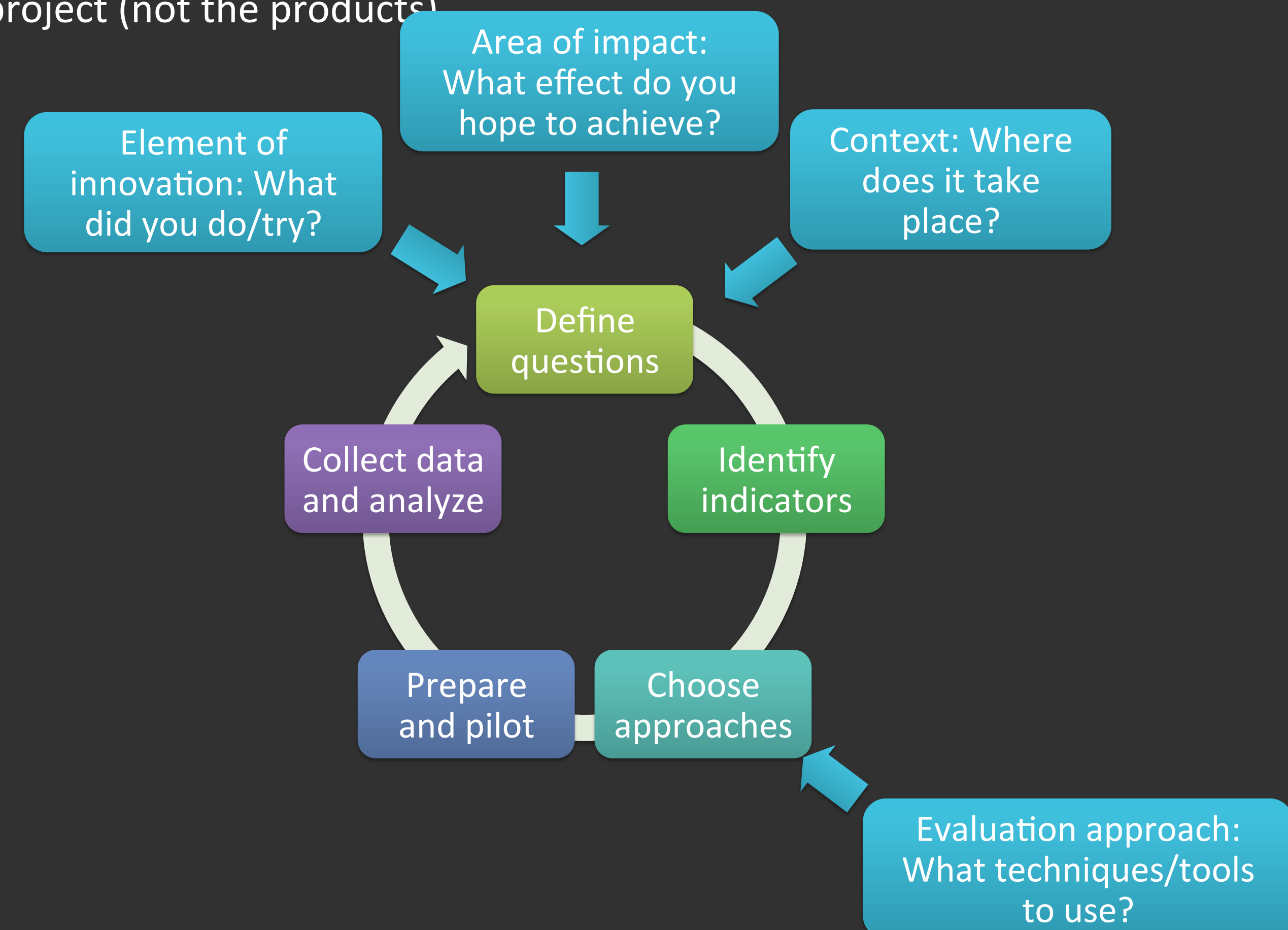
Centre for Teaching, Learning, and Technology (CTLT)

## Why evaluate TLEF projects?

- Process: What worked in every phase of the project? How can it be improved?
- Outcomes: Were the intended project objectives met?
- Impact: Why does the project matter? What are its long-term benefits? What can others learn from it?

## How to do it?

- Develop an evaluation plan – focus should be the outcomes or benefits of the project (not the products)



Having an evaluation plan makes it possible to tell the complete story of any teaching and learning project:

“I looked at the impact of [ELEMENT OF INNOVATION] on [AREA OF IMPACT] in [CONTEXT] using [EVALUATION APPROACH].”

For example:

“I looked at the impact of [IN-CLASS GROUP WORK] on [STUDENT MOTIVATION] in [FIRST-YEAR COURSES] using [INTERVIEWS AND FOCUS GROUPS].”

## Current challenges:

- Lack of common terminology across projects, disciplines and Faculties
- Disciplinary differences
- Diverse methodologies and diverse understanding of these
- Tendency to underestimate project context (e.g. class size, format, discipline)

## Why are individual TLEF stories important to learn and communicate?

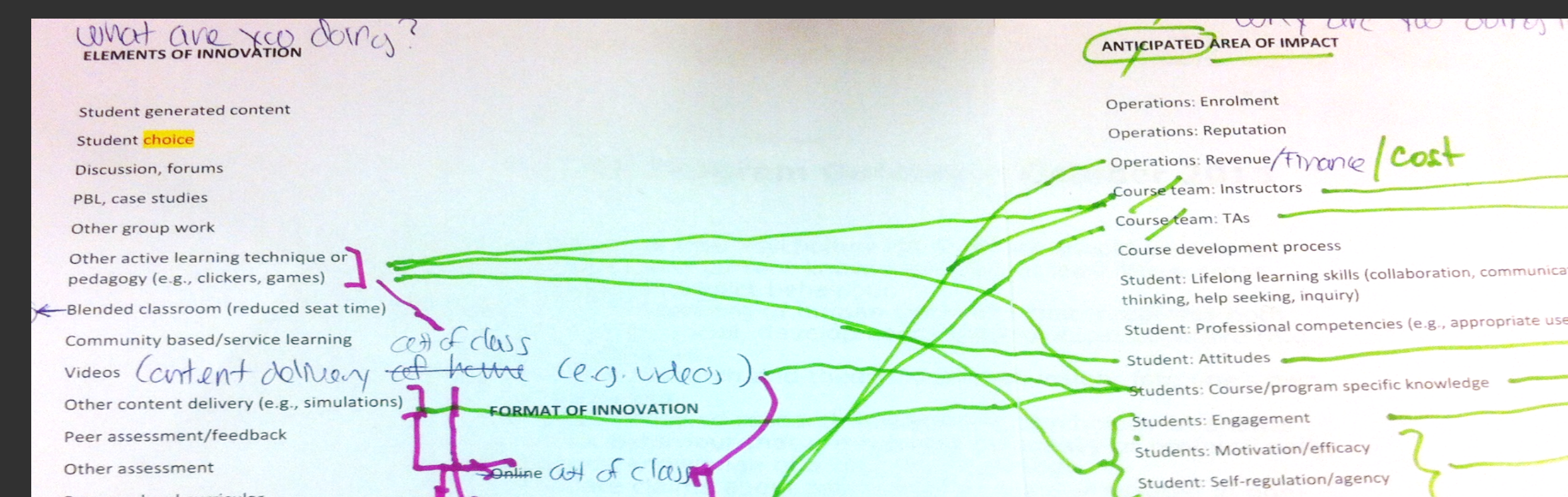
- For project teams:
  - To share what was achieved
  - To find out about related projects on campus
  - To promote knowledge transfer
- For support units:
  - To identify patterns and commonalities
  - To provide efficient support in all project stages
  - To use existing resources effectively
- For UBC:
  - To gain a holistic picture of SoTL and TLEF landscape and impact
  - To ensure accountability for the extensive funding granted

## Making sense of teaching and learning projects across disciplines:

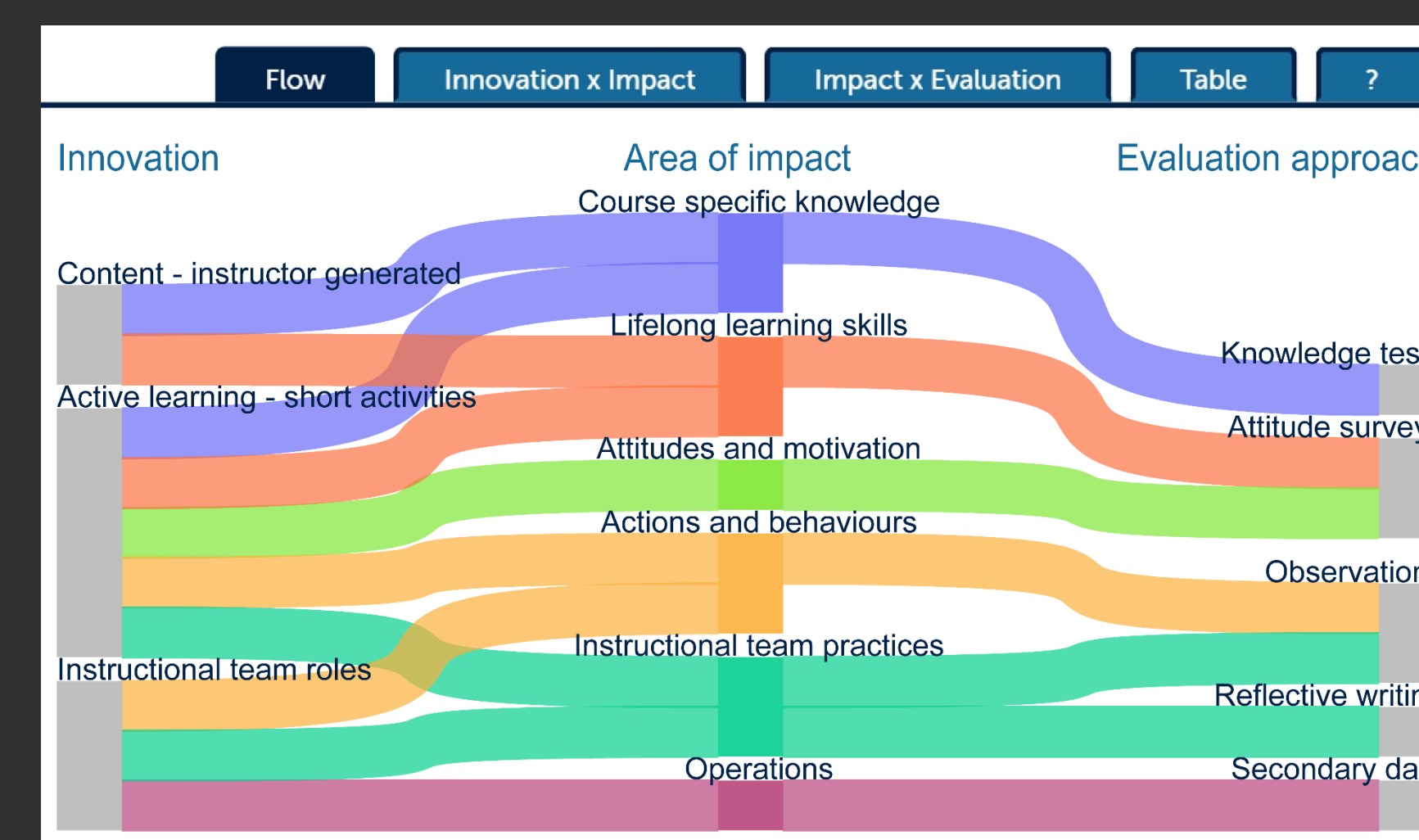
1. Develop a common vocabulary using a bottom up process to facilitate the aggregation and comparison of teaching and learning projects



2. Identify relationships between innovation, impact, approach, and context



3. Develop an online interactive visualization tool for project leaders, prospective project leaders, and project support staff to explore past and current teaching and learning projects



Innovations implemented, targeted areas of impact, and evaluation approaches used in a TLEF project

## The SoTL/TLEF Explorer allows to:

- Find/see patterns and trends across projects

	Flow	Innovation x Impact	Impact x Evaluation	Table	?			
Evaluation approach								
Area of impact	Attitude surveys	Interviews	Knowledge tests	Observations	Other evaluation	Reflective writing	Secondary data	Total
Actions and behaviours								13
Attitudes and motivation								13
Course specific knowledge								16
Instructional team practices								7
Lifelong learning skills								17
Operations								2
Other area of impact								2
Total	12	9	5	6	4	6	7	

Trends in areas of impact and evaluation approaches for 10 TLEF projects

- Obtain contextual information of relevant projects

Contextual information of relevant projects									
	Flow	Innovation x Impact	Impact x Evaluation		Table	?			
Project Title	Project lead	Department	Enrolment Cap	Course Level	Course Format	Course Type	Course Location	Project Type	Year awarded
Asia 222 and Asia 223 – video dialogues and interviews	Stefania Burk & Ken Bryant	Asian Studies	Medium (50-150 students)	200, 400	Lecture, Seminar	Required, Elective	On campus (NOT blended)	FL/Large TLEF	2013
Taking Entrepreneurship 101 online	Elizabeth Newton	Commerce	Medium (50-150 students)	200, 400	Capstone / project based, Lecture, Seminar	Required	On campus (NOT blended), Online	FL/Large TLEF	2014
Neuroanatomy lab videos and interactive modules	Claudia Krebs	Cellular and Physiological Sciences	High (more than 150 students)	300, 400	Clinical, Lab, Lecture	Required	On campus (NOT blended)	FL/Large TLEF	2013
Web-based education segments for UBC Dietetics Major preceptors and students	Karol Travis	Food Nutrition and Health	Medium (50-150 students)	400	Community based, internship	Required, Service	On campus (NOT blended)	FL/Large TLEF	2014

A table view provides additional TLEF project details

## Next steps:

- Add in current and past small and large TLEF/FL projects in different stages of completion (from funded proposals to completed projects)
- Include files: examples of evaluation tools; relevant publications and references; project closure summaries
- Put the tool into use! (e.g., innovations over time; evaluation trends)

## Seeking evaluation support? We can help!

CTLT:

- Adriana Briseno-Garzon – Evaluation Coordinator (adriana.briseno@ubc.ca)

Faculty-specific support units:

- Arts ISIT (Arts)
- Skylight (Science)
- The Learning Centre (LFS)
- Centre for Instructional Support (Applied Science)
- Evaluation Studies Unit (Medicine)

Faculty Liaisons:

- Arts – Jason Myers (jason.myers@ubc.ca)
- Land and Food Systems – Judy Chan (judy.chan@ubc.ca)
- Sauder School of Business – Sunah Cho (sunah.cho@ubc.ca)
- Science – Gillian Gerhard (gillian.gerhard@ubc.ca)
- Vantage – Brian Wilson (brian.wilson@ubc.ca)



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