

TEPHINET Panama
Sep 4, 2022

Operationalizing FETP Impact Evaluation





Structure of today's ILS

1

Introduction to FETP Impact Evaluation

2

Measuring Success

3

Developing an Impact Evaluation Framework

4

How to use the Impact Evaluation Framework

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Applicability of the Impact Evaluation Framework

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Summary & next steps



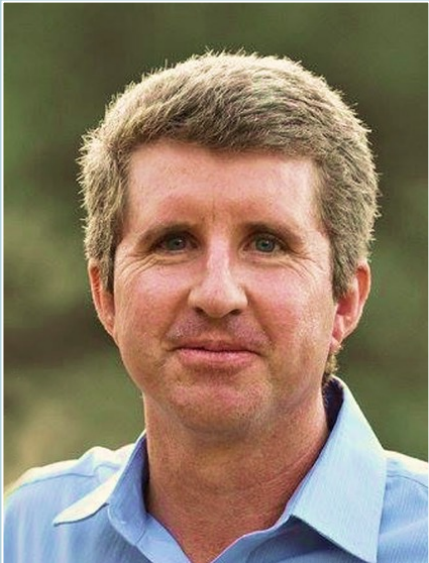
Your facilitators



Tambri Housen



David Jack



James Flint



Kirsten Williamson

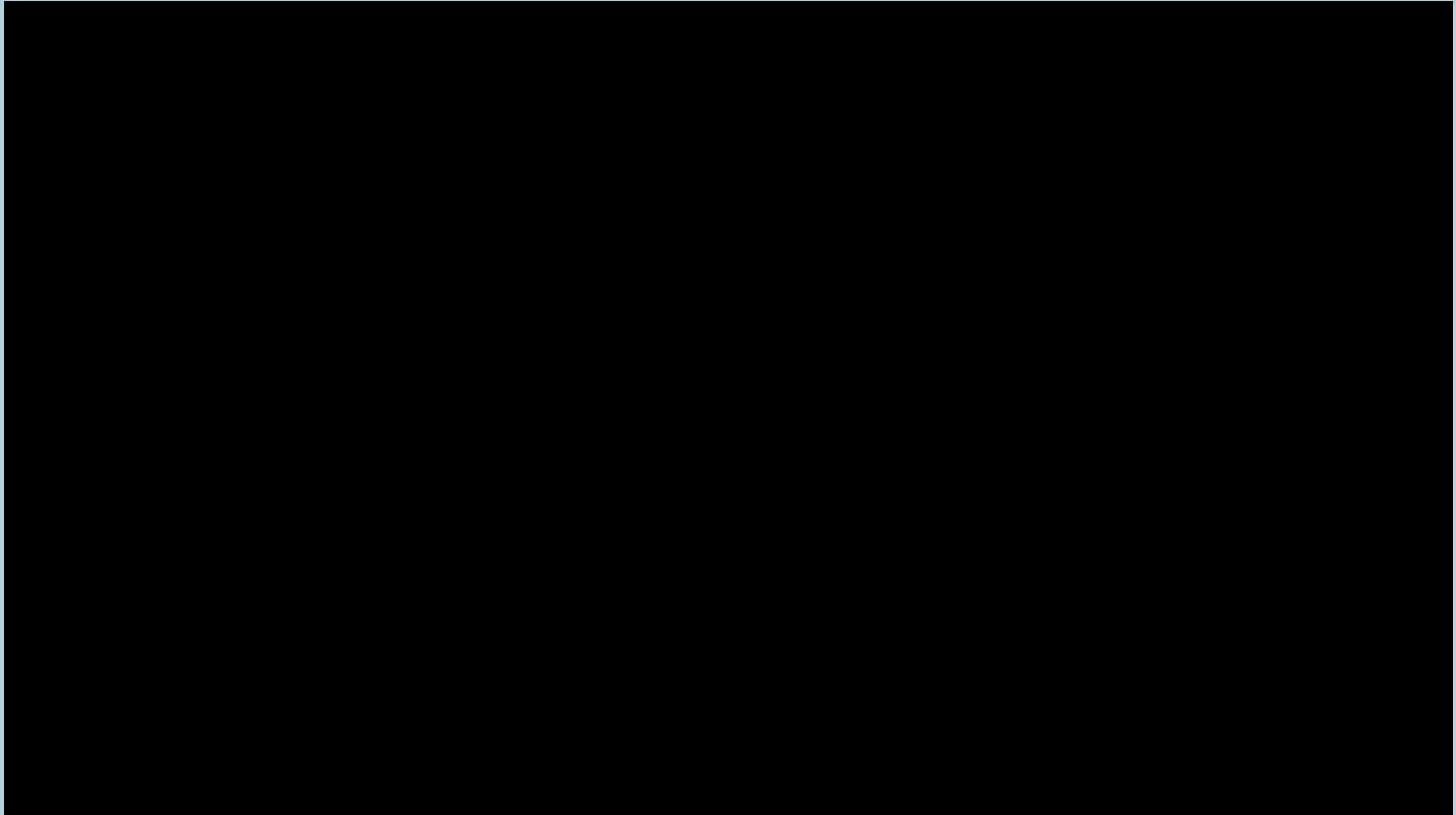


Rachel Mather



Michelle Jack

Who are we?



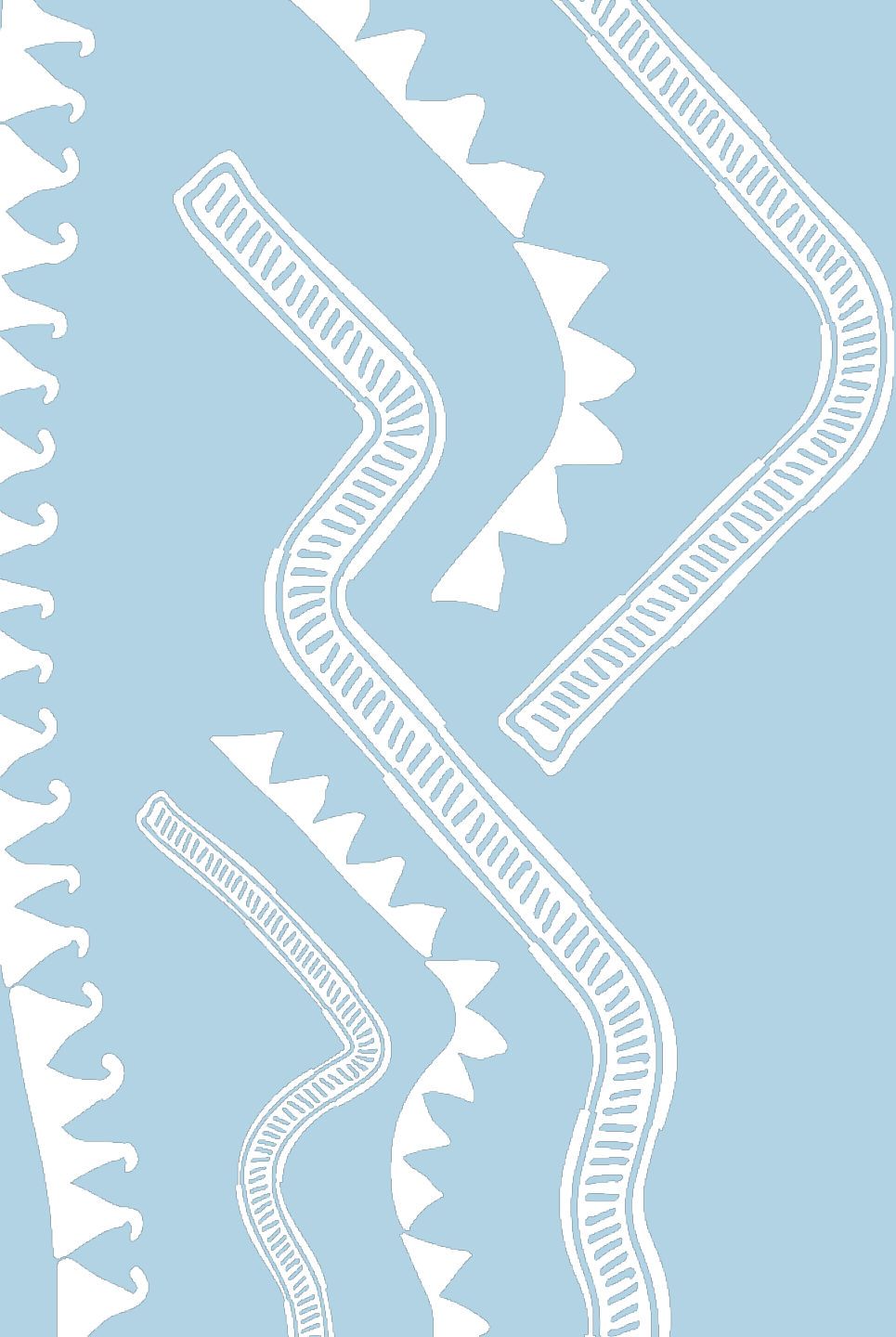
Introductions

1. Name
2. How long it took to travel to Panama
3. Something special about the place you were born





www.menti.com
Code: 4902 6555



Introduction to FETP Impact Evaluation

FETP Diversity

- >86 FETPs serving more than 160 countries
- Various models, curriculums and governance structures
 - FELTP, FETPV, FETP-One Health, Frontline, Intermediate, Advanced
 - MOH embedded, University affiliated
- United by a common approach and core set of competencies
- Standardized-rigid evaluation approach difficult
- Common framework that can be adapted to the diverse FETPs would be valuable

FETP Evaluation

The quantity, and even quality, of outputs, does not necessarily equate to public health impact.

Outputs ≠ Impact

- Some published FETP evaluations (primarily process & output indicators)
- Publications often give examples of outputs
 - Outbreak investigations
 - Surveillance system evaluations
 - Prevention and control activities
 - Papers published
- Very few FETP evaluations focused on outcomes & impacts

Defining Impact

“positive and negative, primary and secondary long-term effects produced by a development intervention, directly or indirectly, intended or unintended.”
(OECD-DAC 2010).

Defining Impact Evaluation

“a systematic and empirical investigation of the impacts produced by an intervention – specifically, it seeks to establish whether an intervention has made a difference in the lives of people” (DFAT, 2012)





Published FETP Evaluations

www.fieldepiinaction.com

EIS 1991-1996

outcome measures = publications and job choices

Multistate FETP evaluation 1996

interviews with trainees, staff, program managers, political decision makers and donors

Multistate FETP evaluation 2012-2013

scorecard approach + expert review of abstracts

Multistate FETP evaluation 2014

process and short-term outcome indicators

UK FETP 2018

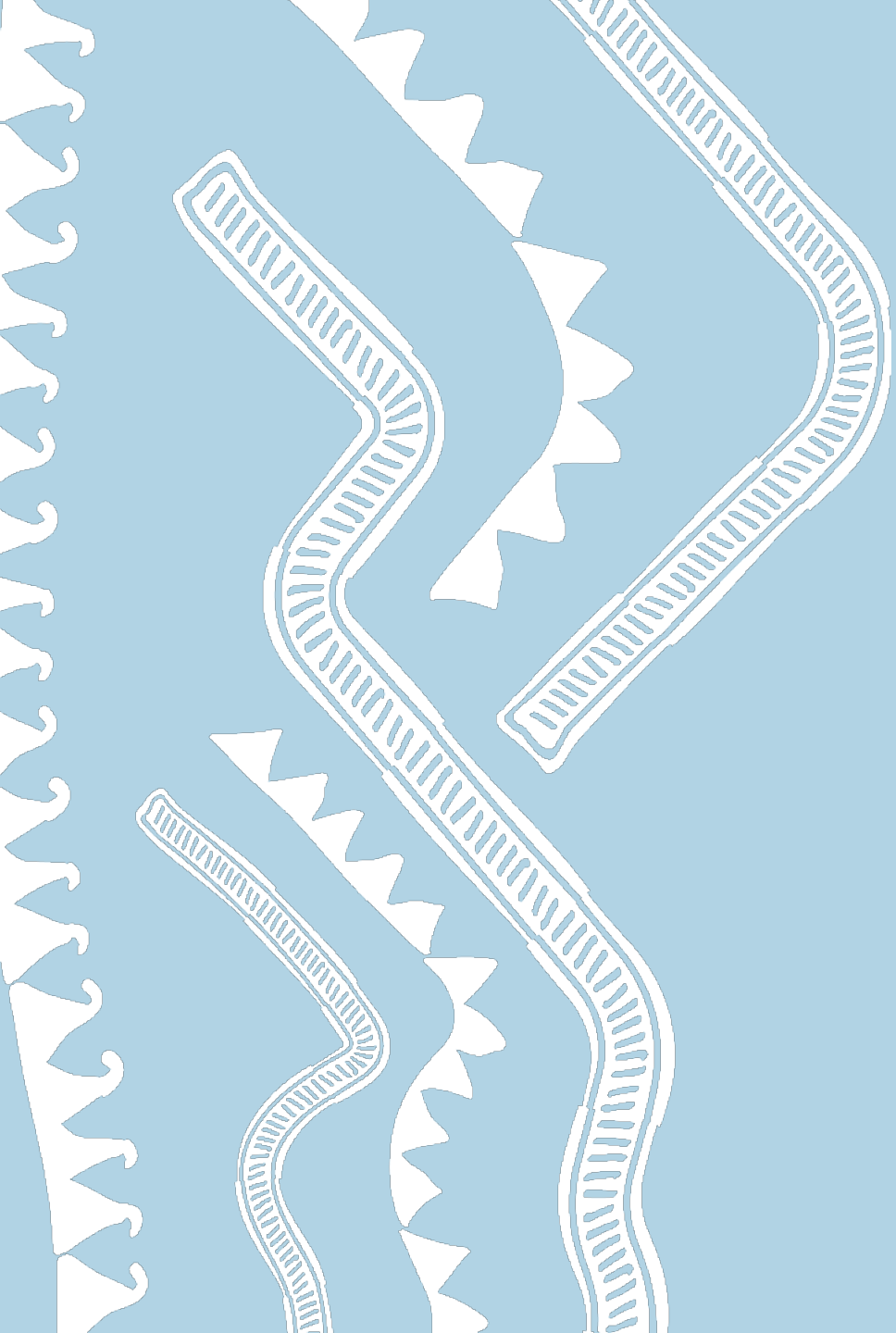
qualitative focus to studying impact – focus groups and online survey

Tanzania, 2021

pre-post, exit interviews

Eastern Mediterranean, 2021

Kirkpatrick Level 3 & 4



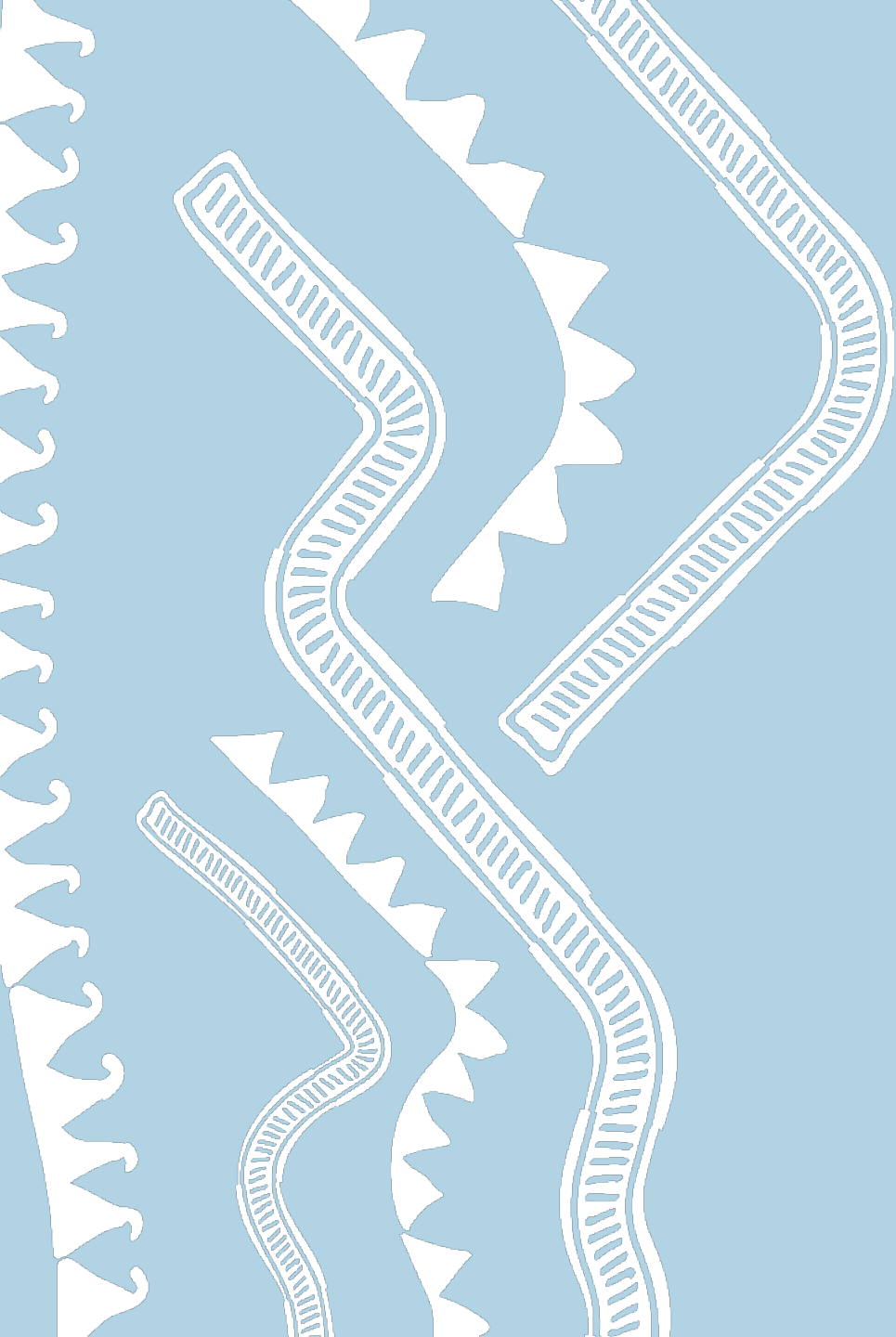
Measuring Success



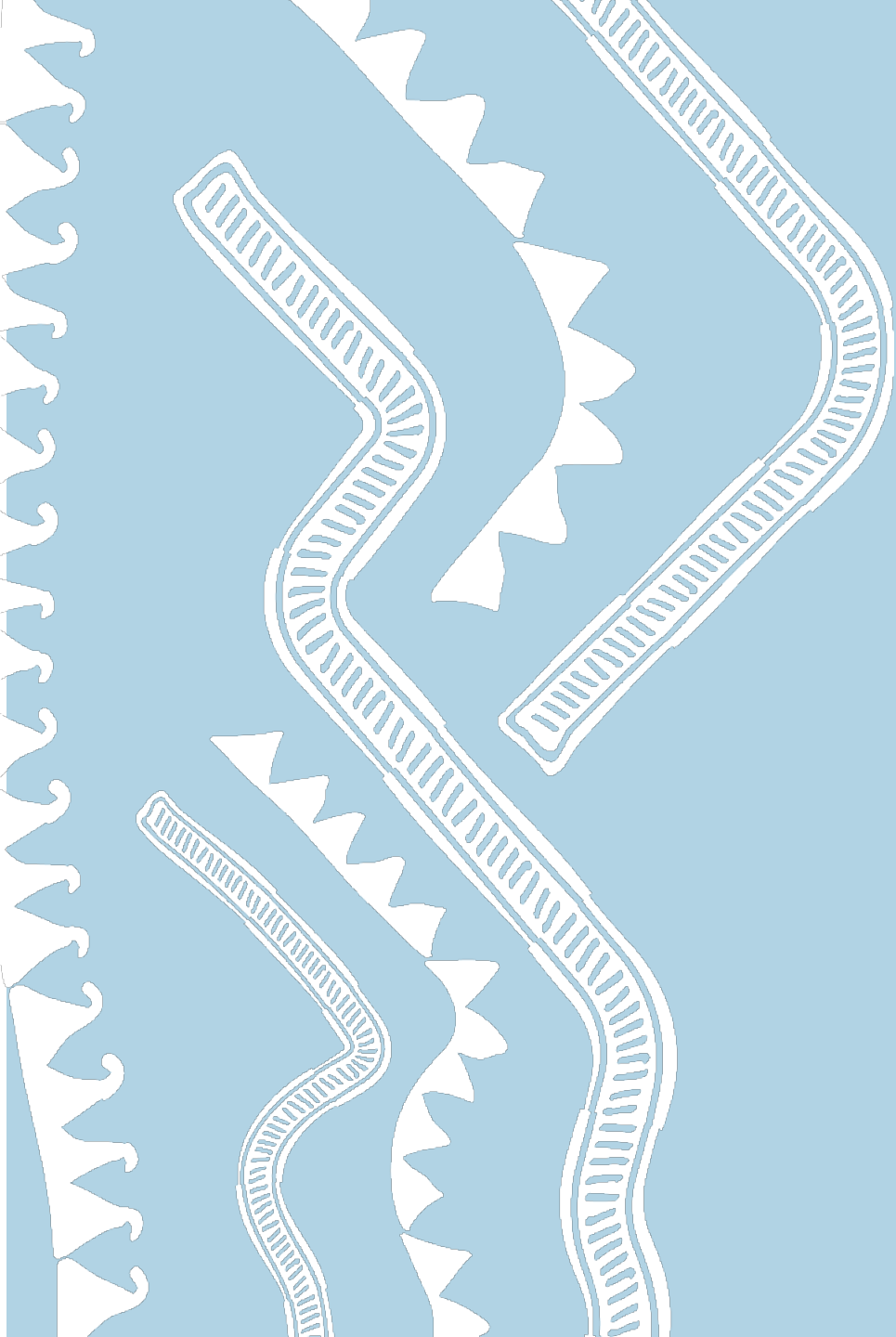
Sticky notes

1. How do FETP program faculty measure success?
2. How do FETP fellows measure success?
3. How do FETP program fundes measure success?





Developing an Impact Evaluation Framework



How to use the Impact Evaluation Framework



Operationalizing Impact Evaluation – PNG example

Guiding Principles



Simple enough to be used by FETP
faculty and staff



Cost effective



Flexible to allow for contextually and
culturally appropriate application



Use existing, accepted, validated
methods

Operationalizing Impact Evaluation – PNG example

Simple Stepwise Approach



WHY

Define your Key Evaluation Questions & Outcomes to guide the evaluation



WHAT

Prioritise the indicators you will measure from the Impact Framework



HOW

Select your evaluation method(s) and design your data collection tools



ACTION

Collect, Analyse, Interpret, Apply

Theory of Change



WHY

Define your Key
Evaluation Questions
and Outcomes to guide
the evaluation

Assess:

Extent to which FETP contributed to increased knowledge and skills

Extent to which FETP graduates translate knowledge and skills into public health action

Extent to which the FETP graduates impacted public health in the communities they serve

Identify:

Common enablers and barriers to knowledge translation

Unintended positive and negative consequences of the FETP training model on trainees

Specific areas where FETP can be improved to maximise outputs, outcomes and impact

FETPNG Example



WHAT

Prioritise the indicators you will measure from the Impact Framework

Audience	Activities	Enablers/Barriers	Outputs	Outcomes	IMPACT
Public Health System	<p>DEPLOYMENT & DEVELOPMENT of graduates</p> <p>Application of field epidemiology skills to strengthen health systems and respond to public health threats</p>	<p>Enablers</p> <ul style="list-style-type: none"> Support from alumni network/fellow health care workers³ [#1 enabler response] Sustained mentorship and supervision¹ Support from managers & other government stakeholders³ Adequate infrastructure, resources and supplies to deliver public health programs^{1,5} Graduates are in decision-making roles [UON] <p>Barriers</p> <ul style="list-style-type: none"> Lack of or weak public health systems [UON] Lack of leadership in public health [UON] Complicated processes that restrict public health action [UON] 	<p>Field Epi health workforce</p> <ul style="list-style-type: none"> Career trajectory of graduates^{11,16} [D1] # of Graduates placed across different tiers of health system # faculty (including trainers and mentors) who are FETP graduates^{4,8,14} <p>Operational research and health systems strengthening</p> <ul style="list-style-type: none"> Scientific rigor statistical skills, reports, surveillance system, research etc¹¹ Systematic analysis of surveillance data^{4,10} [p75] data analysis standards, guidelines, training, tools, teams, continuous quality improvement of data quality # of research studies/Field Investigation completed⁴ # of epidemiological reports/Policy briefs written⁴ # of scientific presentations and publications¹² # of operational research projects conducted # of evidence-based interventions implemented # program recommendations made and implemented¹⁰ # policies updated or developed # and type of workplaces processes / procedures improved 	<p>Experienced Field Epi workforce</p> <ul style="list-style-type: none"> Established career pathway for graduates Long-lasting partnerships and communities of practice¹ Stronger teams¹² Graduates in leadership roles in public health service across all tiers of government^{4,8,14} Skills are maintained and continually applied⁵ Key disease control and surveillance positions at all tiers of government are occupied by FETP graduates Decision makers confident in and engaged with graduates and the services they provide^{8,11} Decision makers utilize the evidence generated by graduates to improve public health programming Graduates are public health influencers in their workplace and the communities they serve <p>Field Epi graduates contributing to operational research and health system strengthening</p> <ul style="list-style-type: none"> Graduates routinely conduct operational research to understand and address key public health challenges Graduates routinely design and implement interventions to address key public health challenges Graduates actively work on strengthening health systems [UON] Graduates effectively engage with communities when planning and delivering public health programs Decision makers engage with recommendations made by graduates Graduates make contributions to health evidence Evidence based decision making informing guidelines, policy & programmatic activities [UON/SPAR] Graduates design and implement public health interventions to improve public health program delivery 	<p>Evidence based decision making</p> <ul style="list-style-type: none"> Evidence based decision making driving public health system^{8,11,17} Implementation of research findings and evidence-based approaches into routine practice¹⁵ Health systems and programs strengthened based on evidence generated by graduates <p>Strengthened public health programming</p> <ul style="list-style-type: none"> Health system responds to public health needs resulting in improvements to key performance indicators [PNG 11],⁸ Public health programming integrated across tiers of health system [PNG 11],⁸ Health programs strengthened at facility level Strong public health leadership at all tiers of health system [UON] Health programs are systematically conducted with community understanding, support and cooperation

FETPNG Example



WHAT

Prioritise the indicators you will measure from the Impact Framework

What will you measure? Prioritize:



Essential to measure



Nice to measure



Hard to measure



Easy to measure / already being measured

FETPNG Example



WHAT

Prioritise the indicators you will measure from the Impact Framework

- ESSENTIAL
- HARD
- NICE
- EASY

Audience	Activities	Enablers/Barriers	Outputs	Outcomes	IMPACT
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HOW

Select your evaluation method(s) and design your data collection tools

KEY EVALUATION QUESTION	UNDERLYING ASSUMPTIONS	SUITABLE DESIGNS
To what extent can a specific impact be attributed to the intervention?	<ul style="list-style-type: none">• Expected outcomes and the intervention itself clearly understood and specifiable• Likelihood of primary cause and primary effect• Interest in particular intervention rather than generalisation	<ul style="list-style-type: none">• Experimental• Hybrids with case-based and participatory designs
Has the intervention made a difference?	<ul style="list-style-type: none">• Several relevant causes need to be disentangled• Interventions are just one part of a causal package	<ul style="list-style-type: none">• Experimental• Theory-based evaluation• Case-based• Contribution Analysis• Success Case Method process
How has the intervention made a difference?	<ul style="list-style-type: none">• Interventions interact with other causal factors• It is possible to clearly represent the causal process through which the intervention made a difference – may require ‘theory development’	<ul style="list-style-type: none">• Theory-based evaluation especially ‘realist’ variants• Contribution Analysis• Success Case Method process• Participatory approaches
Can this be expected to work elsewhere?	<ul style="list-style-type: none">• What has worked in one place can work somewhere else• Stakeholders will cooperate in joint donor/ beneficiary evaluations	<ul style="list-style-type: none">• Participatory approaches• Some Experimental and Theory-based approaches• Realist evaluation

Training Evaluation

1

Kirkpatrick's model

2

Kirkpatrick derived

CIRO Model
Hamblin's model (5 levels)
Kaufmans model (6 levels)
Scriven's Model (12 point checklist)
WHO Training Evaluation
Framework
New World Kirkpatrick Model
(2016)

3

Alternate models

CIPP Model
Learning Outcomes approach
Responsive Evaluation Model
Anderson Model



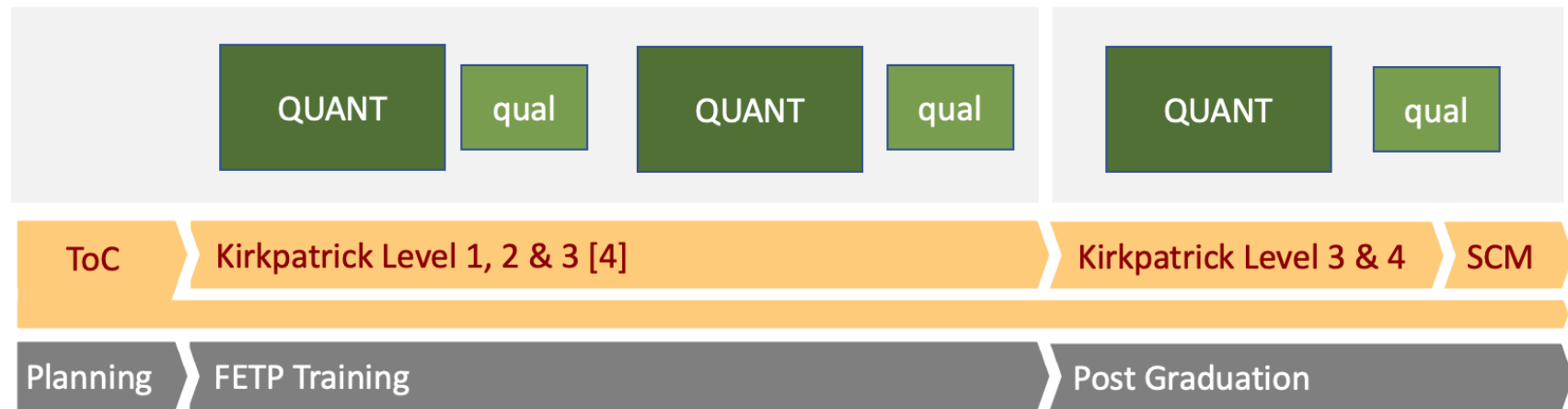
HOW

Select your evaluation method(s) and design your data collection tools

Sequential explanatory mixed methods (PNG example)

Kirkpatrick Method

Success Case Method



QUANT = dominant quantitative study component;

qual = sequential qualitative study component;

ToC = Theory of Change

SCM = Success Case Method

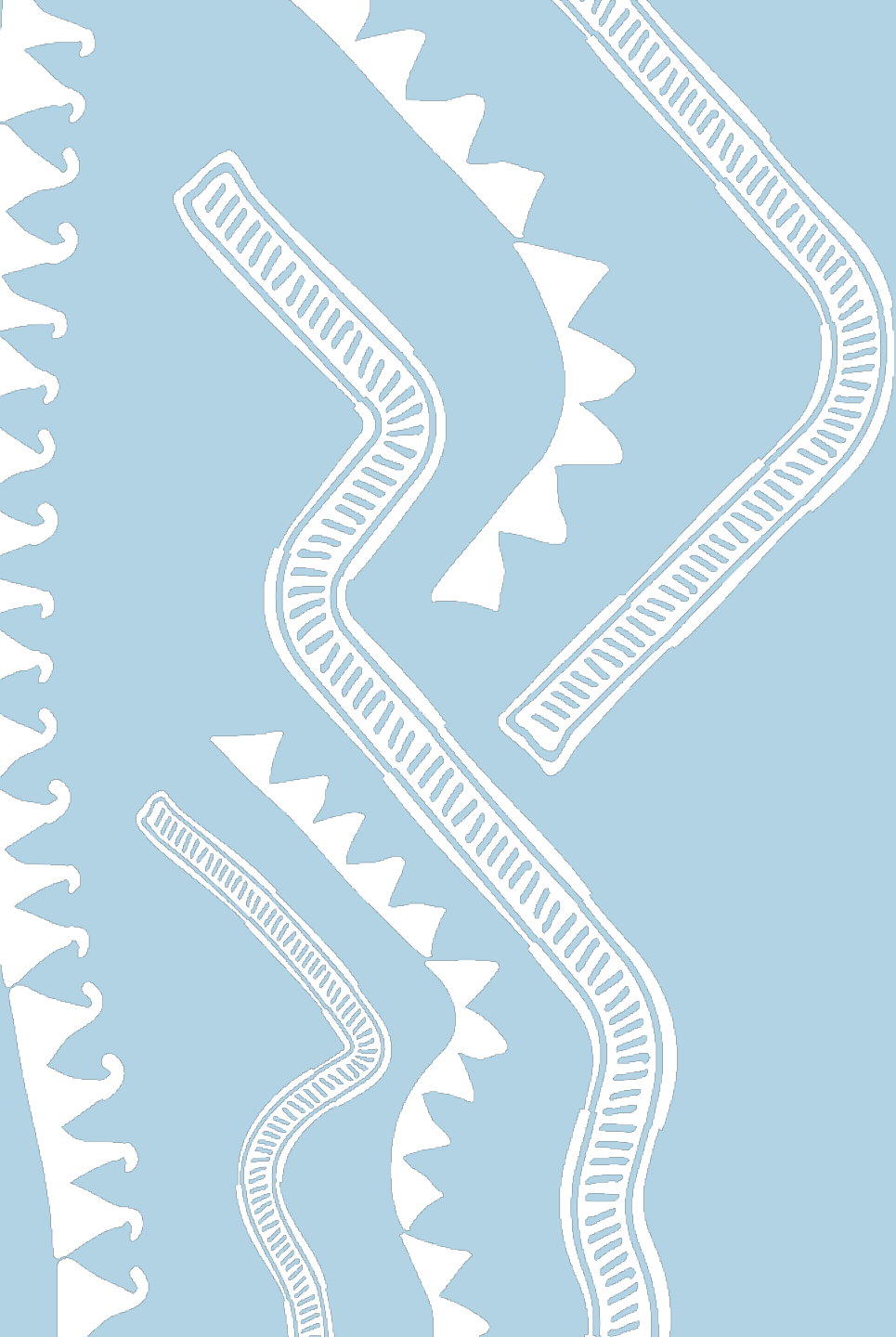
3

HOW

Select your evaluation method(s) and design your data collection tools

Align with data collection tools (PNG example)

2. To assess the extent to which FETP graduates translate field epidemiology knowledge and skills into public health action		QUAL	Document review (mentors handbook)	KP3
		QUAL	Document review (fellows' portfolio)	KP3-4
	QUANT	QUAL	Survey (2 months post-graduation)	KP3-4
	QUANT	QUAL	Survey (9 months post-graduation)	KP3
	QUANT	QUAL	Interview (12 months post-graduation)	SCM
3. To assess the extent to which the FETP graduates impacted public health in the communities they serve		QUAL	Document review (fellows' portfolio)	KP3-4
	QUANT	QUAL	Survey (9 months post-graduation)	KP4
		QUAL	Interview (12 months post-graduation)	SCM



Applicability of the Impact Evaluation Framework

Applicability of the Impact Evaluation Framework



Field Epidemiology
In Action

Activity 1: (10min)

Review of abbreviated Impact Evaluation Framework (small group discussion)

Activity 2: (90 min)

Review of Impact Evaluation Framework indicators (carousel brainstorm) to assess applicability to your FETP

Station 1: Fellows

Station 2: Graduates

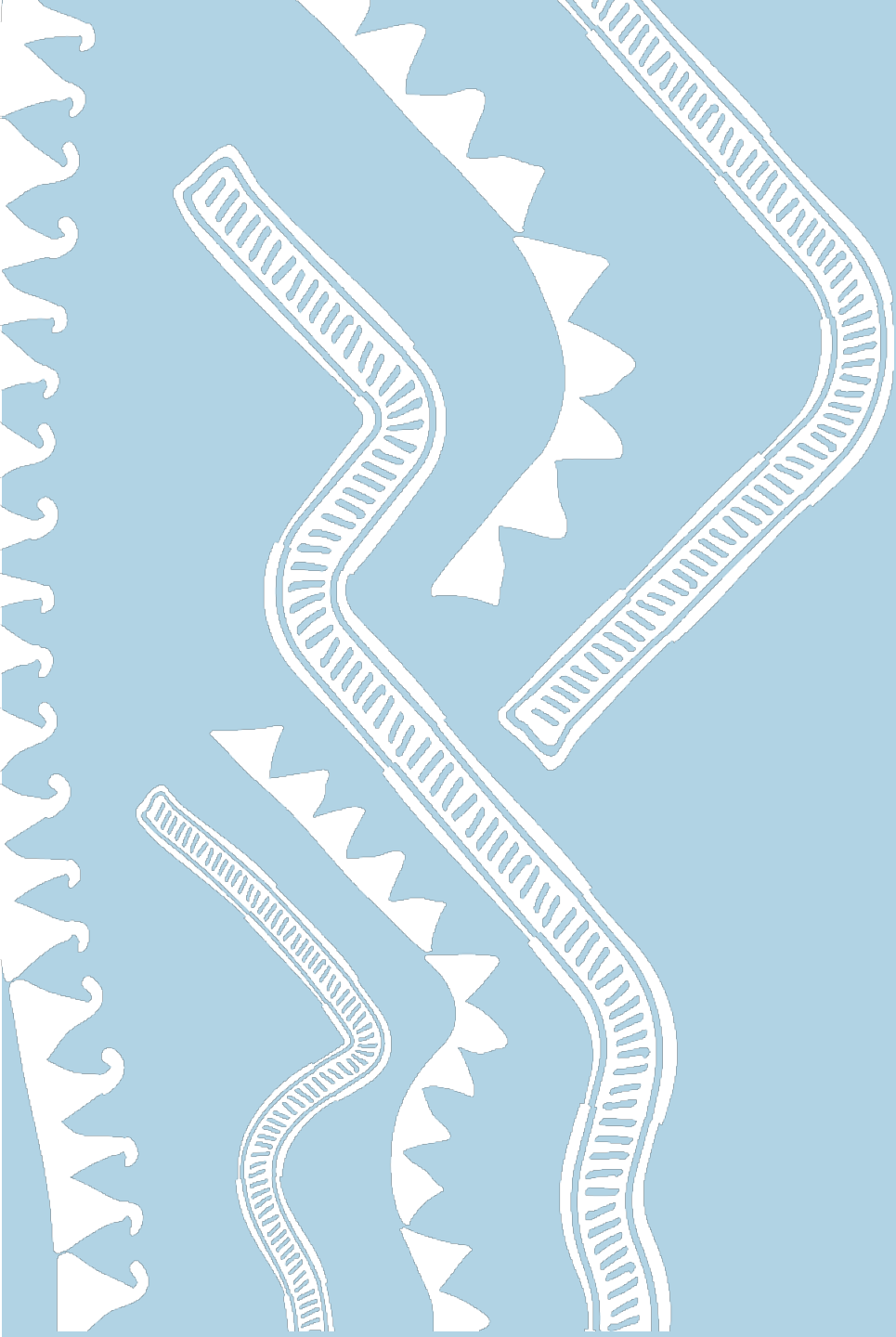
Station 3: Health System

Station 4: Community

Activity 3: (20 min)

Plenary discussion





Recap and Next Steps



Thank you
Please stay in touch

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www.fieldepiinaction.com