



# GOVERNMENT OUTCOMES LAB

## 2023 Spring Hack and Learn 02 March- Kick off session



Insper METRICiS  
Núcleo de Medição para Investimentos de Impacto Socioambiental




@golaboxford



golab.ox.ac.uk

# INDIGO

Better data for better social outcomes



INDIGO is a community of peers from different countries and policy domains with an interest in sharing data about projects that seek to address complex social problems.



# Our agenda for today

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- Welcome and introductions
- Introduction to our Hack and Learn event
- Challenge pitches
- Hack-teams, Slack channels and development support
- Questions?

The session is being recorded.

Please post questions in the chat throughout.



# Hack and Learn phases

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## 1. Kick off session: 02 March 2023

HACK HACK HACK -> use your Slack channels.

## 2. Show and tell session: 16 March 2023

Come and show your results and share your learnings. There will be a virtual social gathering after this session, all welcome!

## 3. INDIGO Peer learning session: April 2023

Presentation of our blog. All invited to contribute 😊

# Hack and Learn tips

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- Choose one challenge as your primary challenge. Let the challenge leader know that you will be working with that team.
- Your challenge leader is your main point of help. Feel free to ask him or her any questions that you may have.
- You will get 10 minutes to show your results at the Show and Tell session. We don't expect you to have a final solution for such complex problems, but just an idea of potential ways to address them. There will be expert practitioners and researchers giving feedback.
- While you are working, write down your ideas and opinions about the experience. We will collate all of them in a blog post that we will publish in the Oxford Government Outcomes Blog.

# Our challenges for today

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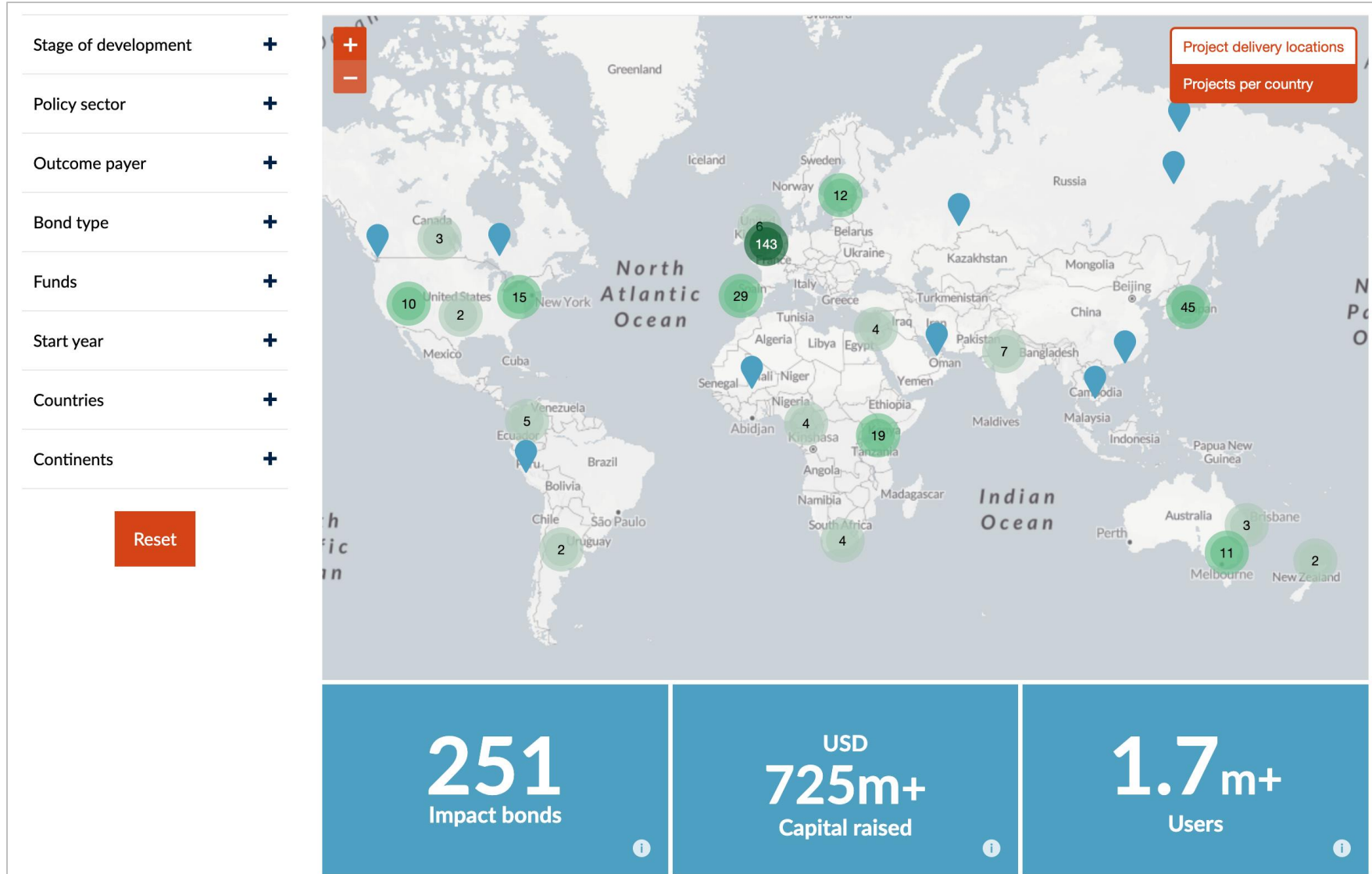
- Populating the **Impact Bond Dataset cost variables**-> hackteam#28
- Understanding **measurement** in impact bonds? -> hackteam#29
- Reviewing our **data model for outcome metrics** -> hackteam#30

# Welcome to challenge#28!

## How much does it cost?

## Populating the Impact Bond Dataset cost variables

# The Impact Bond Dataset





# Recall challenge#24?

## A new tab for the IBD spreadsheet

COST TO THE OUTCOME PAYER (DEMAND SIDE)

	Stage	Includes	Cost	Who is covering this cost? (Could be more than one actor/organisation)
Before SIB/service delivery	Development and design	Development work (internal staff)		
		Feasibility studies		
		Business case development		
		Early phase legal costs - preliminary specifications		
		Market engagement cost - engaging with potential vendors/suppliers		
		Market engagement costs - identifying potential bidders or training potential bidders		
		Market engagement costs - developing product specifications		
		Outcome metrics development		
		Other costs		
		Contract set up and negotiation	Contract set up and negotiation	Legal advice on contract design
Financial advice on contract design				
Procurement costs - evaluating formal bids				
Procurement costs - conducting reference checks on potential suppliers				
Procurement costs - negotiating contract terms				
Other costs				
During and after SIB/service delivery	Operational and management	Monitoring costs (includes outcome and savings verification cost, performance management of the delivery and management staff cost)		
		Evaluation costs - this is separate from outcome validation. This is related to broader evaluation and learning work.		
		Governance costs		
		Outcome payments		
		Enforcement cost (renegotiation, adaptations)		
		Other costs		

This is work in progress!

James Baster: Is this cost as in a financial amount, so just one number? If so does it need local currency and USD options. See more

Juliana Outes Velarde: I would defer to the other participants in the team, but I'd prefer to have everything in. See more

James Baster: Do people want to be able to record a separate cost for each actor / org? This will depend on the research. See more

Juliana Outes Velarde: But it would be useful to have costs in pounds and usd, so we can compare with projects outside. See more

philip messere: The commissioner needs to work through a theory of change including why are they supporting a SIB, why is... See more

Andrew Levitt: Also, it might be worth thinking through the differences between projects which are creating a... See more

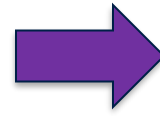
philip messere: there should be a separate header for learning costs - what does the outcome payer want to learn, what... See more

Juliana Outes Velarde: We have a 'learning and evaluation category' under the 'operational and management'. See more

# Conclusions of challenge#24

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Cost looks different for  
outcome payers and  
investor/fund  
managers/providers



Solution -> 2 separate  
tabs: supply and  
demand side

# Final output: two new tabs for the Impact Bond Dataset spreadsheet

AutoSave OFF project (16)

Home Insert Draw Page Layout Formulas Data Review View Automate Tell me

Comments Share

A1

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
2	Date	Phase of Impact Bond	Cost Classification	Payment Currency	Planned	Planned USD	Actual	Actual USD	Cost Incurred by (Organisation ID)	Type	Number of days	Milestones	Notes	Status			
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Technical Assistance Technical Assistance Details Results Outcome Payments Open Contracting 360Giving Documents Scenarios **Provider Side Cost** Outcome Payer Cost

AutoSave OFF project (16)

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Comments Share

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Technical Assistance Technical Assistance Details Results Outcome Payments Open Contracting 360Giving Documents Scenarios **Provider Side Cost** **Outcome Payer Cost**

← → ↻ indigo-data-standard.readthedocs.io/en/latest/data-dictionary/project.html#provider-side-cost

latest

Search docs

Data Model  
Identifiers  
Formatting data

Data Dictionary

- Project
  - General Overview
  - Outcome Funds
  - Delivery Locations
  - Sources
  - Organisations
  - Service Provisions
  - Outcome Payment Commitments
  - Investments
  - Intermediary services
  - Outcome Metrics
  - Outcome Pricing
  - Results
  - Outcome Payments
  - Open Contracting
  - 360Giving
  - Documents
  - Scenarios
  - Provider Side Cost
    - Phase options
    - Classification options
    - Type options
  - Outcome Payer Cost
  - Social Investment Prototype
- Organisation
- Fund
- Pipeline

Read the Docs v: latest



## Provider Side Cost

Name	Definition	Type
Date - (Value)	Date of transaction	Enter a date in format YYYY, YYYY-MM or YYYY-MM-DD
Phase of Impact Bond - (Value)	Codelist options are: <ul style="list-style-type: none"> <li>Development and design</li> <li>Contract set up and negotiation</li> <li>Operational and management</li> </ul>	Codelist
Cost Classification - (Value)	Costs are classified as purchased or spent, in kind, staff costs and other type of costs. Codelist options are: <ul style="list-style-type: none"> <li>Development or scoping work</li> <li>Business case development</li> <li>Feasibility study</li> <li>Early phase legal costs</li> <li>Stakeholder search and engagement costs</li> <li>Legal advice on contract design</li> <li>Financial advice on contract design</li> <li>Procurement costs</li> <li>SPV set up and operational costs</li> <li>Monitoring costs (includes outcome reporting cost and management staff cost)</li> <li>Evaluation costs</li> <li>Governance costs (board meetings, etc.)</li> <li>Enforcement costs (renegotiations, adaptation)</li> <li>Cost of working capital (Investor return - interest and surplus)</li> </ul>	Codelist



# Our challenge

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-  Let's look for data on impact bond costs. We'll be looking for data in reports, official documents, websites, etc.
-  We will populate our spreadsheet with the new data. Do we need to add more variables? Do we need to tweak/change our data model?

# Our work plan

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1. We will have an initial meeting and decide who is looking for data on which impact bond projects
2. We will identify those projects with available data on costs and populate the spreadsheet together.
3. We will think and reflect on how well the data model captures data on costs for different projects

Come join challenge#28!

Questions?

[juliana.outesvelarde@bsg.ox.ac.uk](mailto:juliana.outesvelarde@bsg.ox.ac.uk)





GOVERNMENT  
OUTCOMES  
LAB



## Welcome to challenge#29!

## Understanding 'Measurement' in Impact Bonds

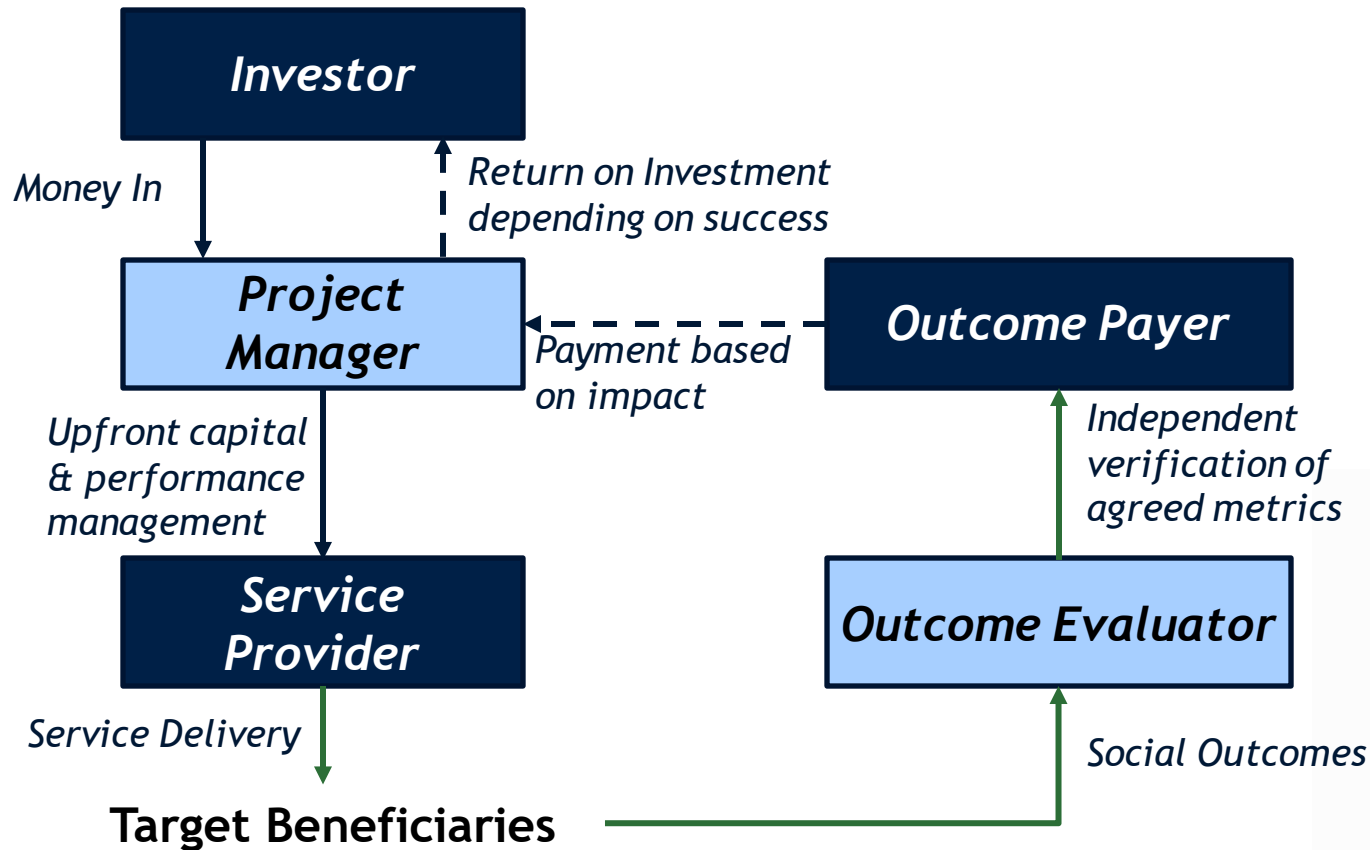




# What is an ‘Impact Bond’?



## Typical ‘Impact Bond’ Structure



***“Measurement” is crucial to the design of Impact Bonds***

- Financial Rewards are tied to the achievement of envisaged service delivery outcomes
- Crucial to validate the success of the project in improving welfare of the target beneficiaries
- Provide insights into improving project design for current (and future) welfare programs

# 'Impact Bond' Measurement Framework

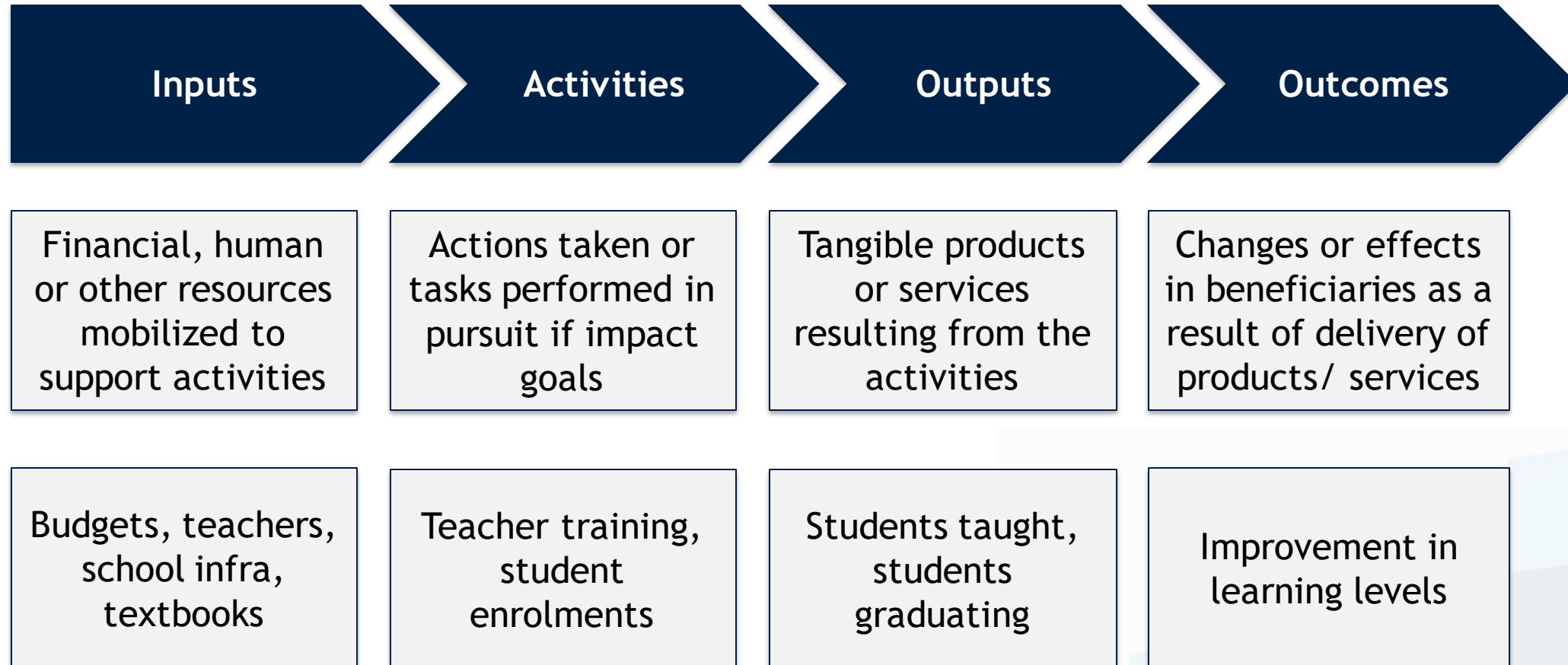
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## *Three core elements to the measurement framework:*

- ❖ Choice of 'metric' to track social outcomes
- ❖ 'Evaluation method' to capture this 'metric' at multiple stages (or the end) of the project
- ❖ 'Payment structure' that is tied to the identified 'metric'

# 'Metric' and Theory of Change



***Metrics can be set at either (or multiple) of these stages - Impact Bonds usually measure outcomes while giving flexibility on inputs & activities***

# 'Payment Structure' tied to the metric



Payment Structure	Description
Per capita	Payment is made for each participant who achieved a certain score (e.g. a test score)
Binary	Payment amount A is made if more than X% of beneficiary population achieves above a certain score (no payment is made below X%)
Distance travelled per capita	Payment made for each individual that increases his/her score by Y% (compared to a pre-test or historical data)
Distance travelled of beneficiary population	Payment made for achieving Y% increase in test scores across a beneficiary population compared to comparison group (control group or historical data)

***Most Impact Bonds use either of these (or a combination of these) payment structures; some also give additional performance bonus payments based on pre-determined criteria***



# 'Evaluation method' for capturing the metric



## *Multiple evaluation approaches to capture impact:*

- ❖ Administrative data generated as part of the project
- ❖ Surveys and interviews with beneficiaries
- ❖ Pre-post evaluation methods
- ❖ Randomized control trials or other experimental methods

*Choice of evaluation approach has significant cost implications; robustness of findings also differs on the method*

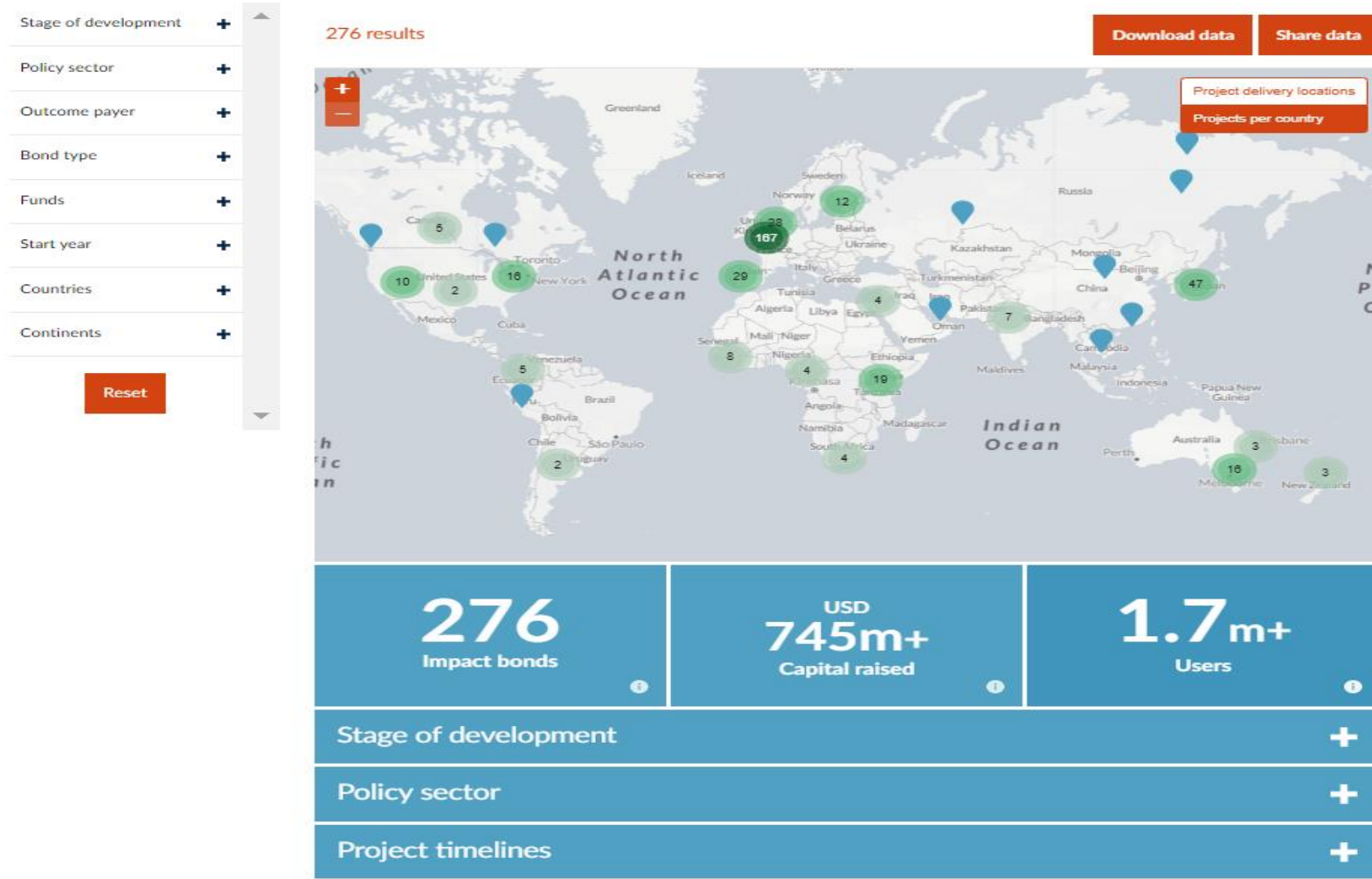
# An example of measurement framework



Outcome	Metric	Measurement
Enrolment of girls aged 7-14	79% of all eligible out-of -school girls	Pre-post evaluation
Improvement of the quality of education for girls and boys in grades 3 to 5	+5,592 Annual Status of Education Report (ASER) learning levels above control group gains	Students were assessed on basic literacy and math competence using the ASER testing tool; their results were compared with those of students in a control group

*Source: IDinsight (2018) Educate Girls DIB, Final Evaluation Report*

# The Impact Bond Dataset



# Our challenge

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- ❖ What is the theory of change that underlies an impact bond? We expect the participants to classify and reflect on the types of metrics (outputs and outcomes) that are being used in the contracted impact bonds?
- ❖ What kind of payment structures are being used to reward performance (per capita, binary, distance travelled, etc.) in the contracted impact bonds?
- ❖ What kind of evaluation methods are being used to assess performance (surveys, semi-structured or unstructured stakeholder interviews; experimental and/or quasi-experimental methods, etc.)?

# Our challenge

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Based on the analysis of the previous questions:

- ❖ Can we see any preliminary attempt towards standardization of the measurement framework across sectors and types of interventions?
- ❖ Are the metrics, payment structures, and evaluation methods befitting to track and manage the intended objectives of the development intervention?

***We invite participants to draw suitable trends and insights on the measurement framework based on the five questions and turn it into a paper/presentation/visualization.***

# Our work plan

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1. Start with the Impact Bond Dataset and classify the metrics used in each bond into activity, output or outcome (or combination)
2. Understand payment structures and suitably classify them into analytically tractable categories
3. Document the evaluation method used
4. Draw suitable insights and visualization



Come join the challenge#29!

Questions?

[priyanshu.gupta@iiml.ac.in](mailto:priyanshu.gupta@iiml.ac.in)



# Come join challenge#30!

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## Challenge # 30: Social impact bonds and outcome metrics



# Our data model

AutoSave OFF project (8)

Home Insert Draw Page Layout Formulas Data Review View Automate Tell me

DejaVu Sans 12 A A

B I U Merge & Centre

General Conditional Formatting Format as Table Cell Styles

Insert Delete Format

Sort & Filter Find & Select

Comments Share

Analyse Data Enquiries

A17 fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
																Meta				
	id	Outcome Definition	Target Population	Targeted number of service users or beneficiaries (total)	Unit type of targeted Service users or beneficiaries	Unit description of Service user or beneficiaries	Outcome metric target	Other target for Meeting outcome metric target	Outcome validation Method	Data source for Outcome validation	Policy Sector	Primary SDG goal	Secondary SDG goals	Primary SDG target	Secondary SDG targets	Sources	Notes	Status		
3		'Involved' measure. A staff assessment of the 'engagement' level of a young person	young people aged between 8-17 with specific issues - low school attendance.													source1, sourcehack andlearn20				
4	outcome1	Physical literacy between 12 and 24	Children and recent offenders,	4800	Individual				Simple Ex-post verification	New data collected		10	3			21-08				PUBLIC
5	outcome2	Physical literacy	Children and	2400	Individual				Simple Ex-post verification	New data collected		4		4.7		source1,				PUBLIC
6	outcome3	Achievement of a	Children and	1152	Individual				Simple Ex-post verification	New data collected		4		4.7		source1,				PUBLIC
7	outcome4	Reduction in re-	Children and	768	Individual				Simple Ex-post verification	New data collected		3				source1,				PUBLIC
8	outcome5	Improvement in	Children and	144	Individual				Simple Ex-post verification	New data collected		4				source1,				PUBLIC
9	outcome6	Completion of a	Children and	480	Individual				Simple Ex-post verification	New data collected		8		4.1		source1,				PUBLIC

Ready Accessibility: Investigate 63%

# Our data definitions

INDIGO Data Standard  
latest

- Data Model
- Identifiers
- Formatting data
- Data Dictionary
  - Project
    - General Overview
    - Outcome Funds
    - Delivery Locations
    - Sources
    - Organisations
    - Service Provisions
    - Outcome Payment Commitments
    - Investments
    - Intermediary services
    - Outcome Metrics**
    - Outcome Pricing
    - Results
    - Outcome Payments
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    - Documents
    - Scenarios
    - Provider Side Cost
    - Outcome Payer Cost
    - Social Investment Prototype
  - Organisation
  - Fund
  - Pipeline
- Versions & Changelog
- Read the Docs v: latest

## Outcome Metrics

This is a list. One project can have multiple items of data, as one project may have several outcomes to achieve. One item of data represents one outcome metric and is defined as:

Name	Definition	Type
Id	A within-project original, flexible identifiers to be referenced in another sheet. This can be set by the GO Lab team. These identifiers could be 'outcomemetric1', 'outcomemetric2', etc.	Text
Outcome Definition - (Value)	The outcome is what changes for an individual as the result of a service or intervention. Example of outcomes include 'access to a formal job', 'improve learning at school', 'improve access to health services', etc.	Text
Target Population - (Value)	Description of the targeted population of beneficiaries or service users that are intended to achieve pre-arranged social outcomes.	Text
Targeted number of service users Or beneficiaries (total) - (Value)	Targeted number of beneficiaries/service users for each outcome metric	Number
Unit type of targeted Service users or beneficiaries - (Value)	Description of the unit of measurement that is used to account for targeted service users or beneficiaries. Codelist options are: <ul style="list-style-type: none"> <li>Individual</li> <li>Other</li> </ul>	Codelist
Unit description of Service user or beneficiaries - (Value)	This field will only be completed if the answer to the last variable was "other". This variable identifies what type of unit of measurement is used to account for targeted service users or beneficiaries.	Text
	An outcome metric target is the specific value attached to the measure of outcomes for the purposes of determining whether satisfactory performance has been achieved. In an impact bond, these targets will usually determine whether a	

# A one-size-fits-all solution? Probably not.

Sustainment of accommodation for 6 months with no identified risk of homelessness.

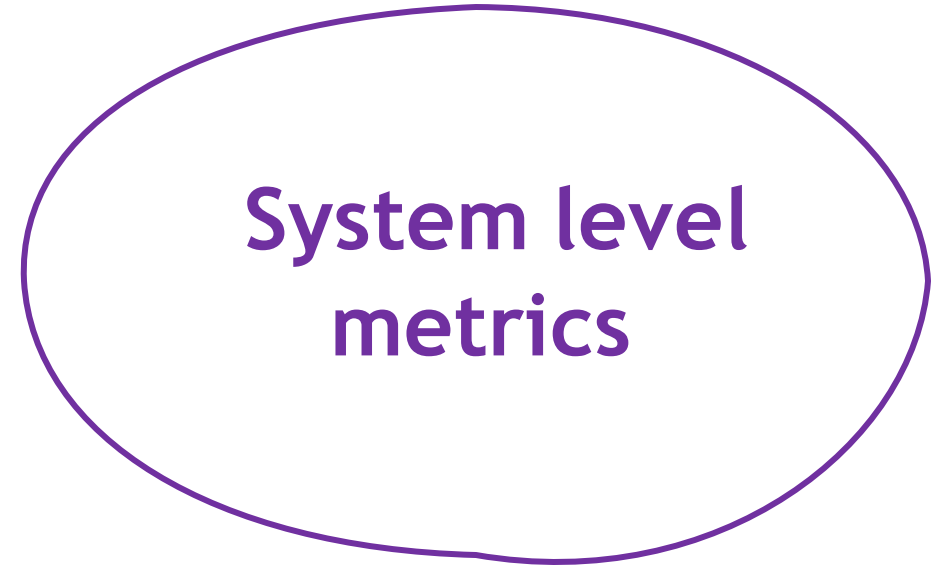
Individual level  
metrics

Beneficiaries take up training  
and/or education opportunities

Entry into employment  
(includes both full-time or part-  
time)

# A one-size-fits-all solution? Probably not.

Expansion of the labour market  
(number of companies employing  
participants of the programme  
increases).



Learning Gains. Aggregate learning gains  
for all students as measured by test  
scores relative to control group.

How do we adapt the data model  
to capture data on **different**  
**types of outcome metrics?**

# Our work plan

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1. We will have an initial meeting and decide who is analysing outcome metrics for which impact bonds
2. We will identify those projects with system level metrics.
3. We will think and reflect on how well the data model captures system level metrics and propose a fix to our data model.



# Come join challenge#30!

## Questions?

[jorgenri@al.insper.edu.br](mailto:jorgenri@al.insper.edu.br)



# Slack channels

How to find your hackteam: first, join our Slack workspace  
(check the invitation on the chat)



## Join GO Lab, University of Oxford on Slack

Start by entering the email address you use for work.

 Continue with Google

 Continue with Apple

OR

your-email

@bsg.ox.ac.uk

Continue

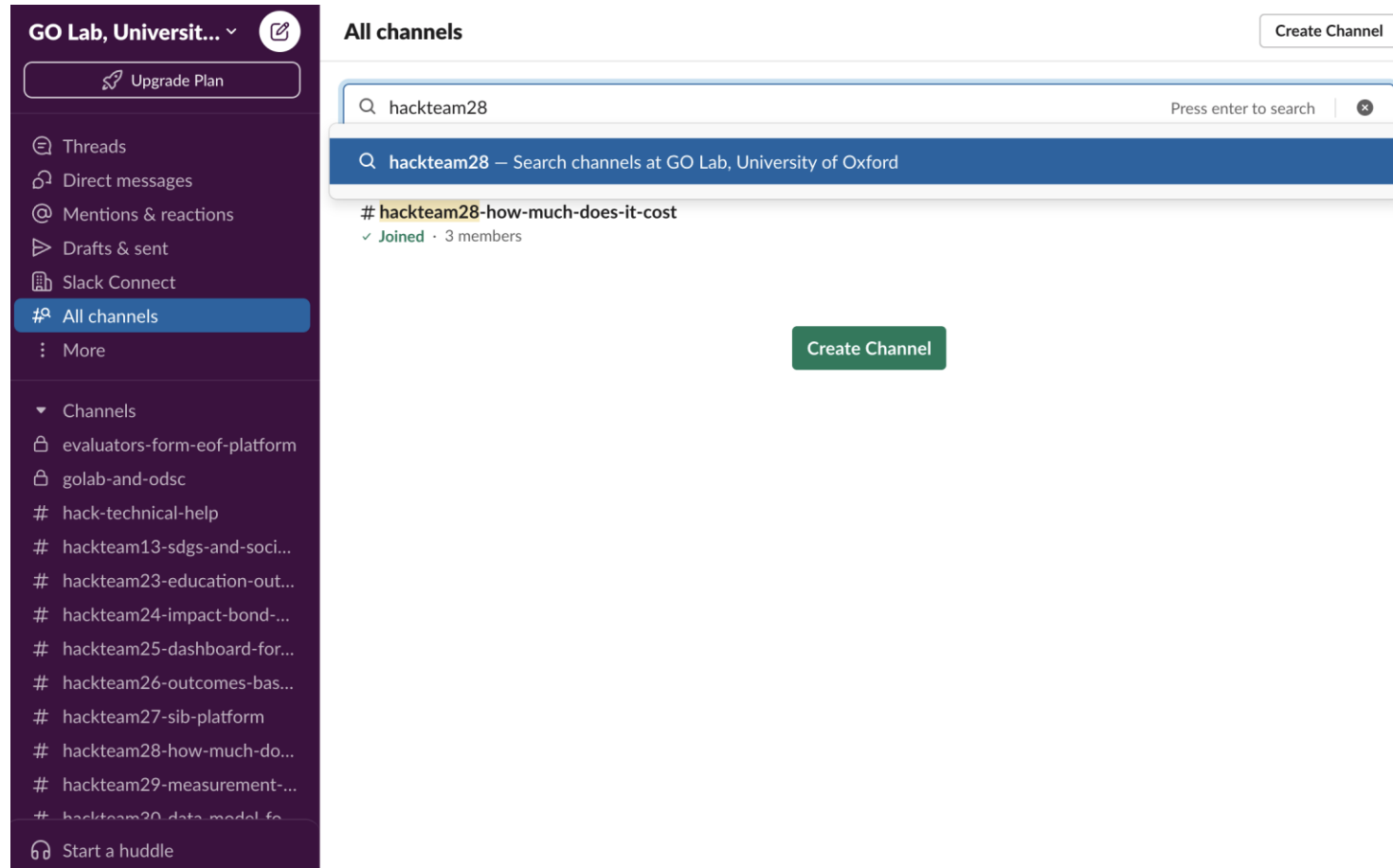
You can use any account with the domain:

- bsg.ox.ac.uk
- al.insper.edu.br

Don't have an email address from one of those domains?  
Contact the workspace administrator at GO Lab, University of Oxford  
for an invitation.

# Slack channels

Scroll to the end of the left side of Slack and click on "Add Channels" and then "Browse Channels". Type in the team you would like to join, and it should pop up



The screenshot shows the Slack interface for the workspace "GO Lab, Universit...". On the left sidebar, the "All channels" option is selected. The main area displays a search for "hackteam28". The search results show a channel named "# hackteam28-how-much-does-it-cost" with 3 members. A green "Create Channel" button is visible below the search results.

# Slack channels

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- Populating the Impact Bond

Dataset cost variables -> # hackteam28-how-much-does-it-cost

- Understanding measurement in impact bonds? ->

# hackteam29-measurement-in-impact-bonds

- Reviewing our data model for outcome metrics ->

# hackteam30-data-model-for-outcome-metrics

# Development support

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Need help with your data?

# hack-technical-help

Want to chat with other participants?

# networking-lounge

## Any questions?





BLAVATNIK SCHOOL OF GOVERNMENT  
UNIVERSITY OF OXFORD  
GOVERNMENT OUTCOMES LAB  
SOCIAL OUTCOMES CONFERENCE 2023

# CALL FOR CONTRIBUTIONS NOW OPEN

Social Outcomes Conference 2023: 14 & 15 September

WE'RE INVITING SUBMISSIONS FOR PAPERS AND PRESENTATIONS FROM POLICYMAKERS, PRACTITIONERS & ACADEMICS. MORE INFO ON GO LAB WEBSITE OR SCAN THE QR CODE.  
DEADLINE: 28 MARCH



## THE SOCIAL OUTCOMES CONFERENCE - 101 -



**?** **What?** *The best of global research & practice on improving social outcomes.* The Social Outcomes Conference (SOC) is the annual convening of the world's leading researchers, policymakers & practitioners working to improve social outcomes. SOC uniquely engages international cutting-edge academic research and the latest from innovative global practice.



**Where?** The Blavatnik School of Government, Oxford University (& online)



**When?** 14 & 15 Sept 2023



**Who?** Leading researchers, policymakers & practitioners working to improve social outcomes



**Present a paper or a presentation** - submission deadline 28 March

