

Mission Billion Challenge Webinar Presentation

ID4D

Identification for Development

WITH SUPPORT FROM:



BILL & MELINDA
GATES foundation



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Globally, an estimated **1 billion** people lack an ID

- Vast majority are in **low and middle income economies**
- Within these countries, **those in the bottom 40%** are the most likely to be unable to prove who they are



**Without an ID,
people struggle to access:**



Financial services



Social Safety Nets



Health services



Education



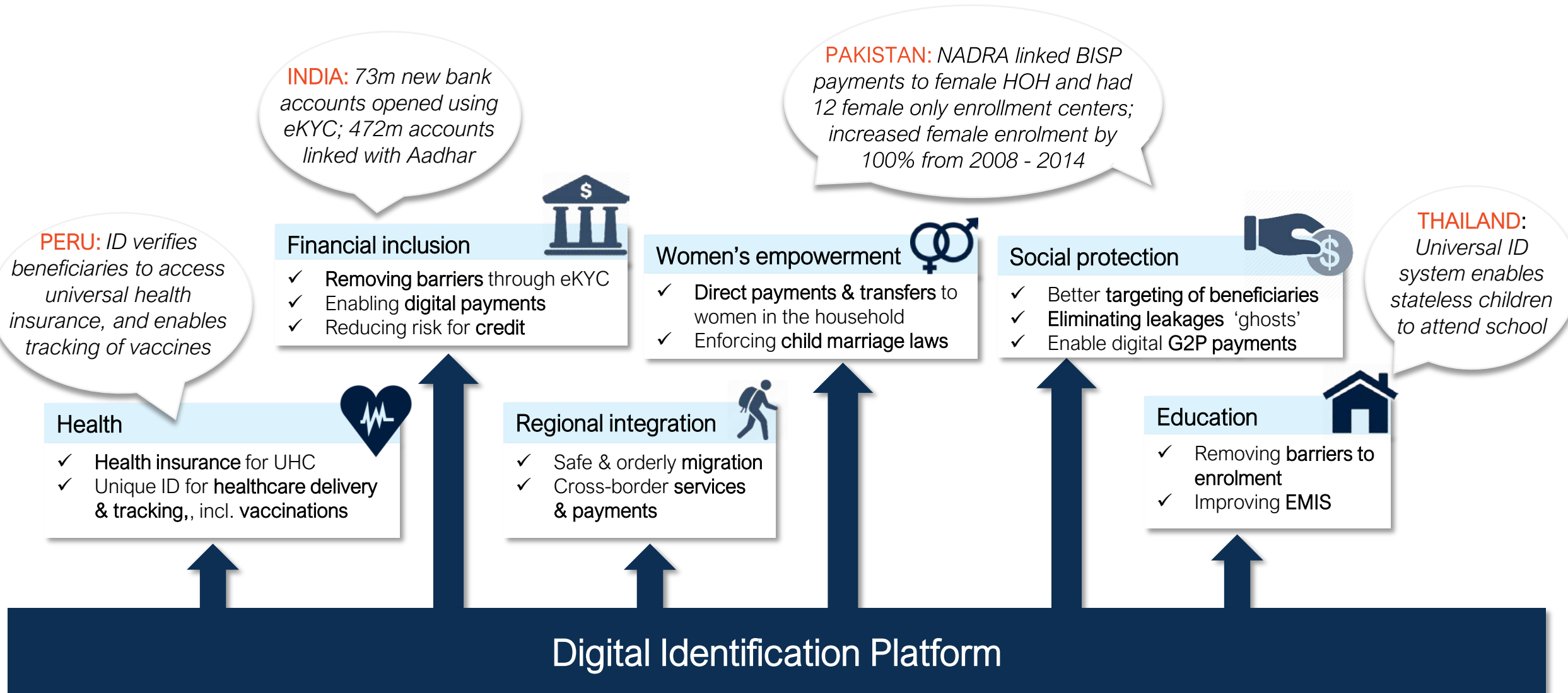
Travel & Migration



Mobile services



Digital identification serves as a foundational technology platform



ID4D supports a techno-legal approach to facilitate the design of systems that protect privacy and enhance user rights & control



Legal/Regulatory Trust Framework

e.g. Privacy and data **protection laws**, clear **institutional mandates**, enforcement **authority**

Privacy by Design Techniques

e.g. encryption, tamper proof **audit logs**, data **portability**, authentication **alerts**, and access **controls**

Robust, Sustainable System

Ensures user **privacy & data protection**, and enables sharing of data only with **consent**

ID Enabling Environment
Assessment (IDEEA)



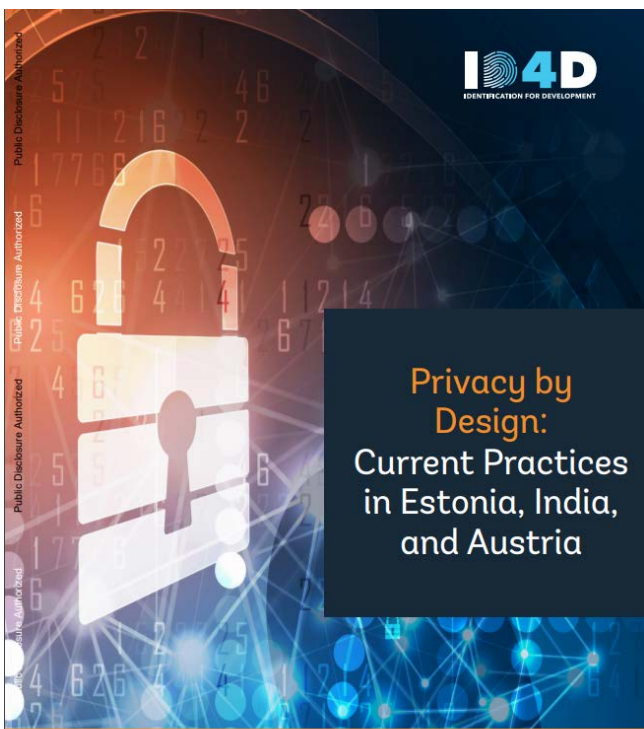
Report on Privacy by
Design Techniques

**Mission Billion
Challenge**



ID4D Approach

Privacy by Design: Good practices from across the globe to protect privacy and empower users



Minimal Data Collection



Only four mandatory demographic fields



'Once only' Principle for gathering data

User Access Portal



Users can view and update data on citizen portal & Personal Data Monitor



Biometrics can be locked by users



Transparency portal

Tokenization



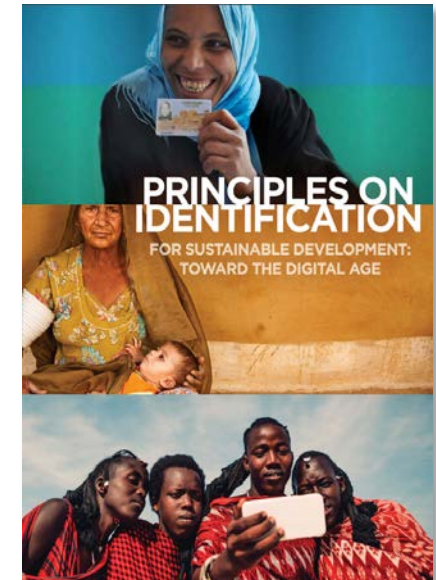
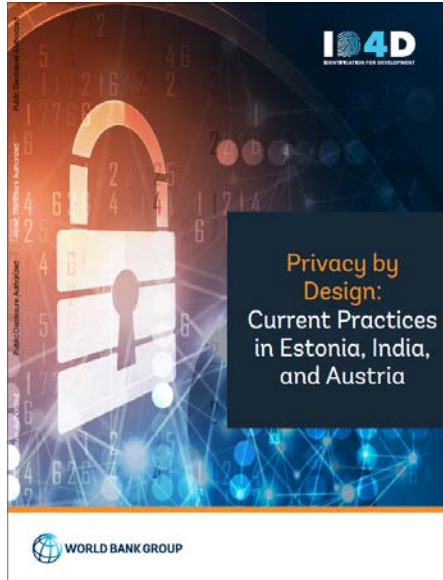
Protected UIN from service providers by sharing hashed token instead

Traceable Authentication



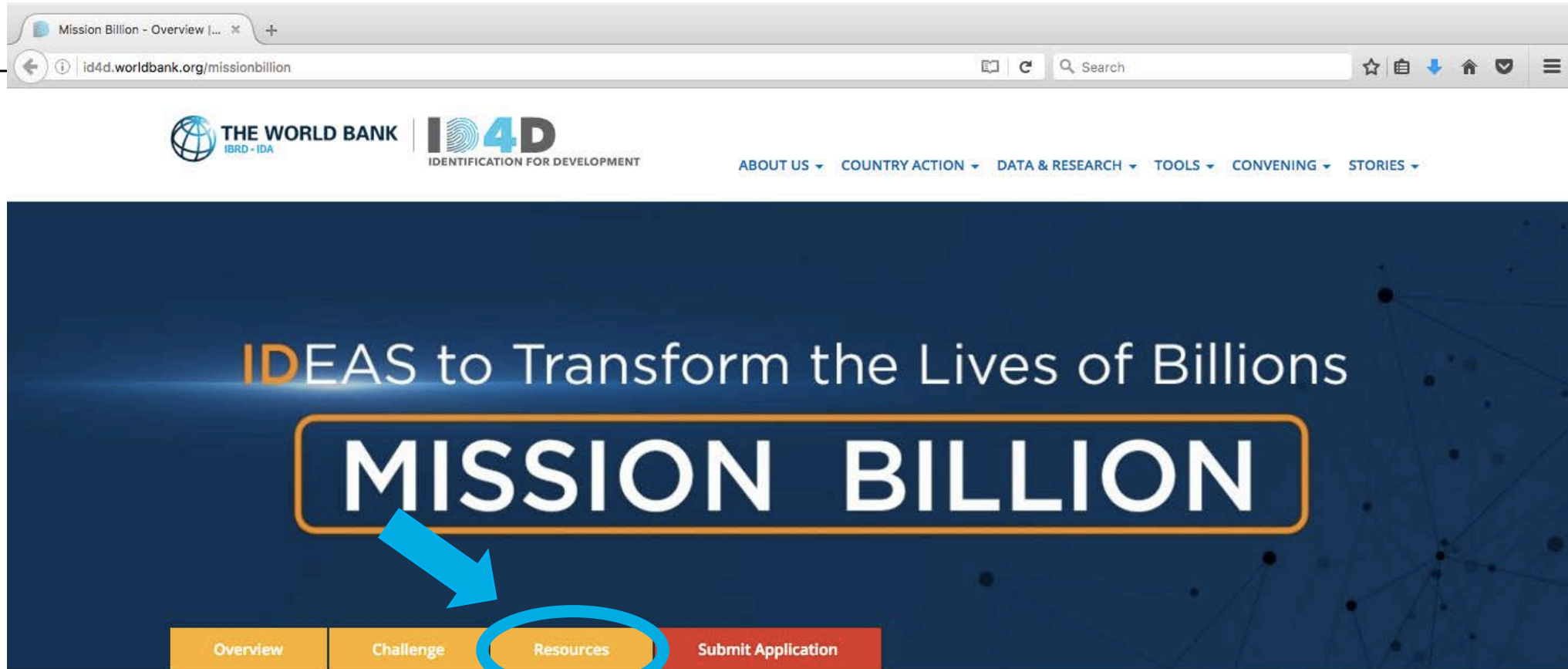
Access to **tamper proof time stamped** authentication history logs

These resources along with others available on online



<http://id4d.worldbank.org/missionbillion/resources>

Mission Billion Challenge (<http://id4d.worldbank.org/missionbillion>)



Despite significant progress in recent years, **one billion people are still unable to prove their identity**, and millions more have forms of identification that cannot be reliably verified or authenticated. In an increasingly digital age, the lack of verifiable identification often results in exclusion from economic opportunities and a variety of social and political rights.

For the inaugural Mission Billion Challenge, the ID4D Initiative will start with an issue at the heart of digital

<https://solh>



IDEAS to Transform the Lives of Billions

MISSION BILLION

Deadline for Submissions is February 24, 2019

How can digital identification systems in developing countries be designed to protect people's privacy and provide them with greater control over their personal data?

Mission Billion Challenge

- ✓ The Challenge seeks innovative, practical, and cost-effective 'privacy by design' features that can be embedded into digital identification systems.
- ✓ Solutions should enhance data protection and provide individuals with greater control over their personal data, including those with low literacy and numeracy levels.
- ✓ To maximize the development impact and widespread adoption, all submissions shall be open solutions, i.e. made available on public licenses that allow re-use without restrictions.



Solutions to the Mission Billion Challenge need to be...

Practical and cost-effective 'privacy by design' features that can be embedded into digital identification systems, such as:

- **Providing greater oversight and control of personal data**
 - Enable individuals to inspect, update and correct personal data;
 - Provide transparency regarding who has accessed their data and for what purpose; and
 - The ability to seek redress for unauthorized use
- **Preventing the misuse of personal data**
 - Help protect an individual's personal data from misuse or unintended disclosure, such as through minimizing, hiding, compartmentalizing personal data, tamper proof logs, or other means

ID4D considers solutions at all stages of development

Idea: A plan or concept by an individual or organization

Prototype: An individual or organization building and testing a product, service, or model

Pilot: An individual or organization deploying a tested product, service, or model in at least one location

Growth: An individual or organization with an established product, service or model rolled out, which is poised for further growth in multiple locations

Scale: An individual or organization working in several locations and that is looking to scale significantly, focusing on increased efficiency

Types of solutions can be... *(but are not limited to)*

- ✓ New ways of thinking
- ✓ New technologies or different uses for existing technologies
- ✓ Business and/or technical processes
- ✓ Enterprise, technical or functional architectures

Judging Criteria

Alignment: The solution addresses the challenge that has been set forth.

Context Appropriateness: The solution takes into account the context of developing countries, including low to no connectivity in some areas and little formal technical training among individuals, as well as low literacy and numeracy levels.

Scalability and Ease of Use: The solution can easily be scaled to affect the lives of millions of people.

Feasibility: It is feasible to implement the solution, and the team has a plan for the solution to sustain itself after implementation.

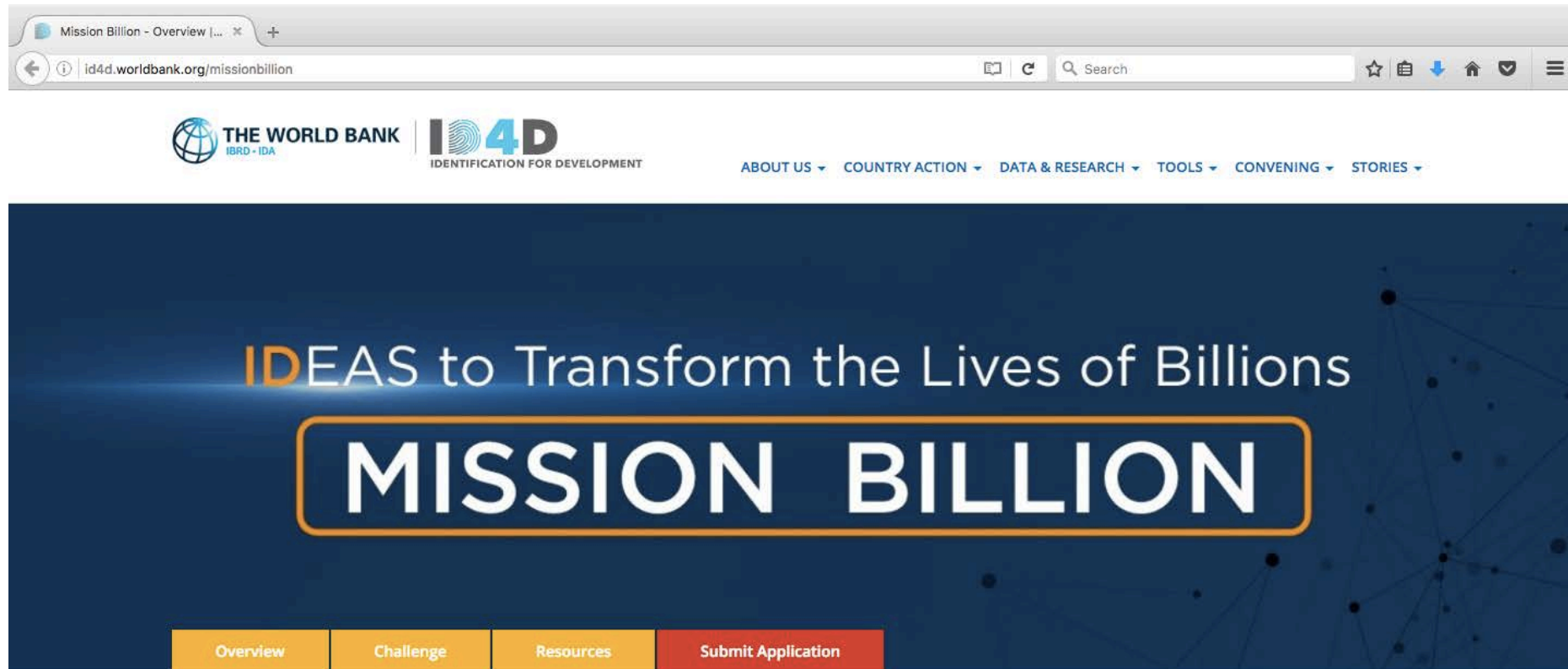
Innovative Approach: This is a new technology, a new application of a technology, or a new process for solving the challenge.

QUESTIONS SO FAR?

IDEAS to Transform the Lives of Billions

MISSION BILLION

Application Process (<http://id4d.worldbank.org/missionbillion>)

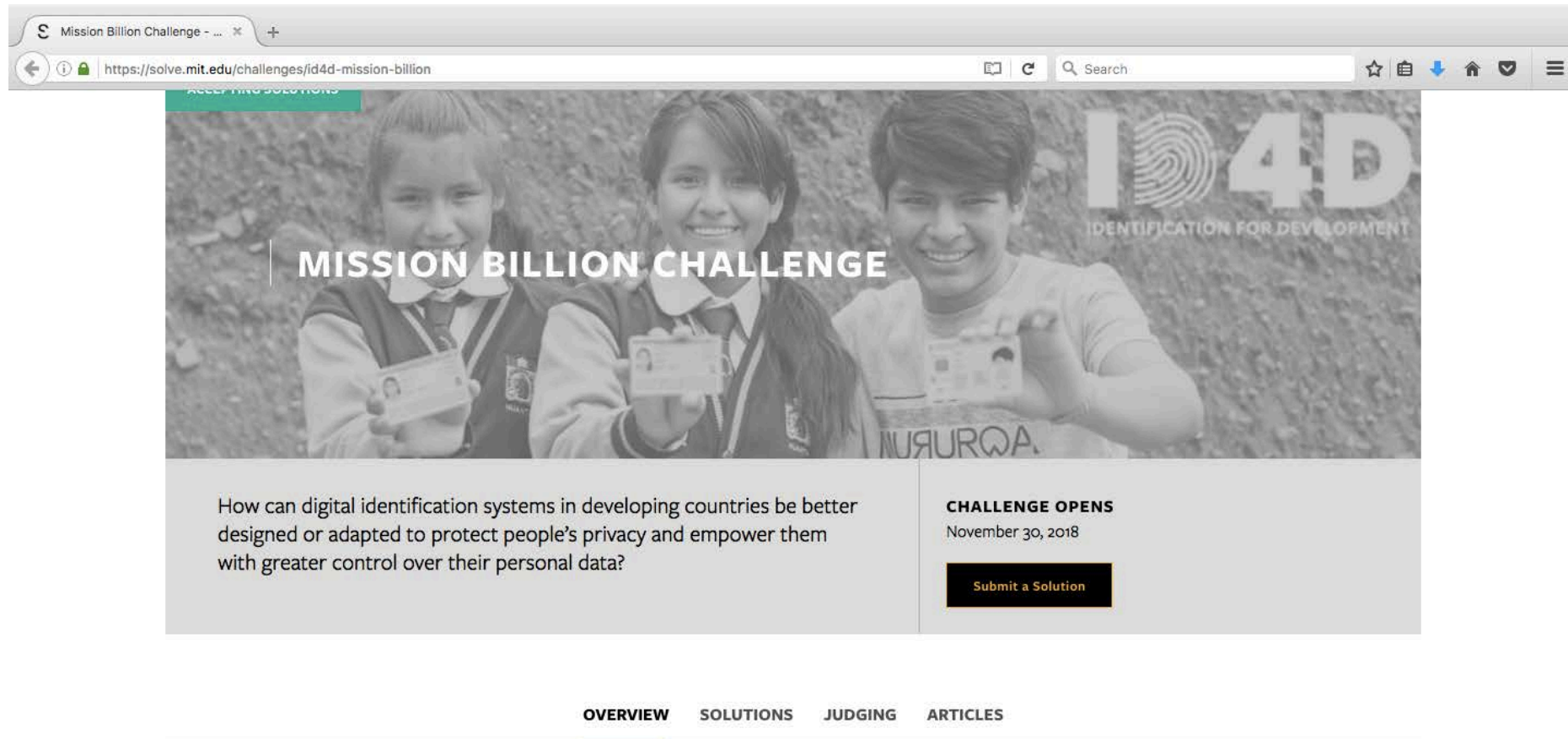


Despite significant progress in recent years, **one billion people are still unable to prove their identity**, and millions more have forms of identification that cannot be reliably verified or authenticated. In an increasingly digital age, the lack of verifiable identification often results in exclusion from economic opportunities and a variety of social and political rights.

For the inaugural Mission Billion Challenge, the ID4D Initiative will start with an issue at the heart of digital



Application Process



The screenshot shows a web browser window with the URL <https://solve.mit.edu/challenges/id4d-mission-billion>. The page features a large header image of three children holding ID cards, with the text "MISSION BILLION CHALLENGE" overlaid. To the right of the image is the "ID4D" logo and the tagline "IDENTIFICATION FOR DEVELOPMENT". Below the header, a text block asks: "How can digital identification systems in developing countries be better designed or adapted to protect people's privacy and empower them with greater control over their personal data?". To the right of this text, it says "CHALLENGE OPENS November 30, 2018" and includes a "Submit a Solution" button. At the bottom, a navigation bar contains the links: OVERVIEW, SOLUTIONS, JUDGING, and ARTICLES.

MISSION BILLION CHALLENGE

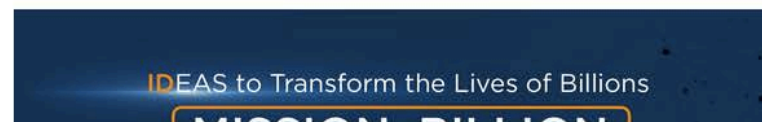
How can digital identification systems in developing countries be better designed or adapted to protect people's privacy and empower them with greater control over their personal data?

CHALLENGE OPENS
November 30, 2018

[Submit a Solution](#)

[OVERVIEW](#) [SOLUTIONS](#) [JUDGING](#) [ARTICLES](#)

Challenge Overview



TIMELINE

Accepting
Solutions

● Challenge Opens

Application Process



Submit Your Solution

How it works

- 1. **We will ask you a number of questions regarding your proposed Solution.** You can provide all of your responses at once and submit your Solution, or if you aren't quite ready to submit, you can save your work and finish later.
- 2. **Once you submit your Solution, it will be entered in the Challenge and visible on the website.** However, you will still be able to come back to edit and improve your Solution until we close the Challenge for judging.
- 3. **We encourage you to ask for feedback** and continue to refine your Solution throughout this process.

GET STARTED

Helpful Information


[More on Submitting a Solution to the Mission Billion Challenge](#)


[Official Rules of the Mission Billion Challenge](#)


Application Process



Sign Up / Log In

 Continue with Facebook

 Continue with Google

 Continue with LinkedIn

OR

Sign up / log in with your email address below

Log In

Email

Password

LOGIN

[Forgot Password?](#)

New User? Sign Up

* Indicates required fields

First Name *

Last Name *

Email *

Country of Residence *

Create Password *

Application Process

Select a Challenge | MIT - ...

https://solve.mit.edu/solution/1-select-challenge

Search

SOLVE CHALLENGES SOLVER TEAMS MEMBERSHIP EVENTS ARTICLES MENU

My Dashboard Sign out Noya Leve

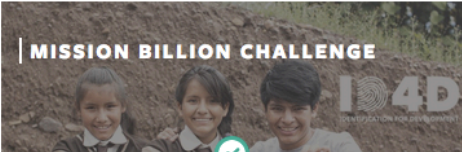
MIT

CONTINUE →

Select a Challenge

Which Challenge does your Solution address? (Required)

MISSION BILLION CHALLENGE



How can digital identification systems in developing countries be better designed or adapted to protect people's privacy and empower them with greater control over their personal data?

CONTINUE →

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SOLVE

MIT Solve is a marketplace connecting innovators with resources to solve

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Application Process

Select a Challenge | MIT - ...

https://solve.mit.edu/solution/1-select-challenge

Search

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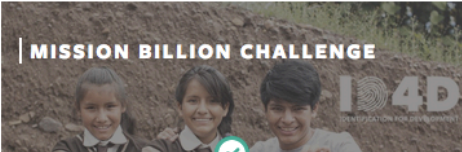
MIT

CONTINUE →

Select a Challenge

Which Challenge does your Solution address? (Required)

MISSION BILLION CHALLENGE



✓

How can digital identification systems in developing countries be better designed or adapted to protect people's privacy and empower them with greater control over their personal data?

CONTINUE →

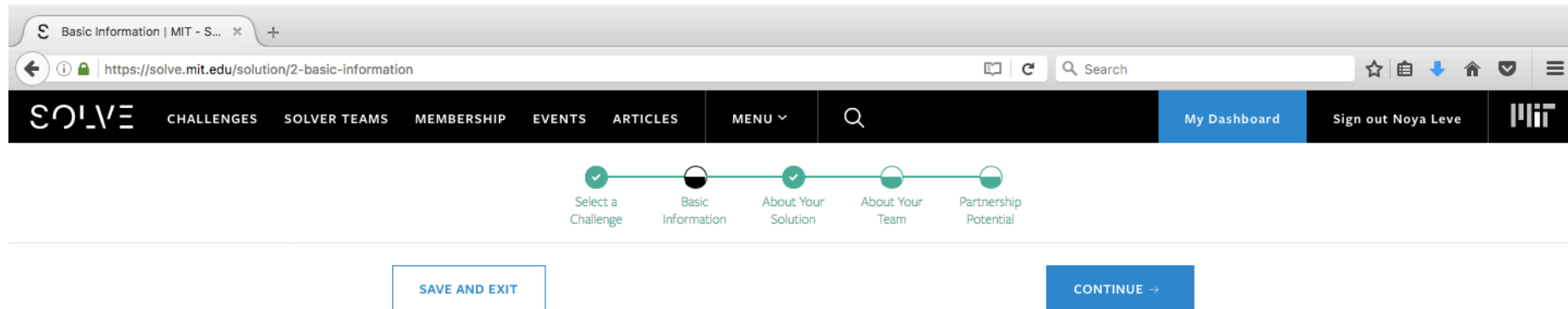
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Application Process



Basic Information

ID4D, MIT Solve, and our judging committee look forward to reading your solution application to the Mission Billion Challenge. Once you complete this page on Basic Information, you will have completed all of the information required to submit your solution. You may fill out the remaining pages now, save and return later, or simply go to the end of the application and click "Post My Solution." We have found that more complete applications tend to increase the likelihood of being selected. By answering more of the application questions, you provide a full picture of your project for the Challenge. Even after you post, you will be able to return to edit or add to your solution before the application closes.

There are several deadlines you will need to know for 2019 as you work to draft, edit, and complete your solution application:

By February 24: Post an Application You must post an application including the required information by February 24 at 11:59pm ET. First, fill out at least the required questions on this "Basic Information" page. Second, navigate to the end of the application, and click "Post My Solution" in your dashboard. This will post your application publicly on the Solve site. If "Post My Solution" does not appear for you, it is because you have not yet filled out all of the required questions.

March 14: Finalists Announced If you have been selected as a Finalist, you will receive a communication from MIT Solve notifying you of your selection, and you will be invited to pitch to the judges in person at the Live Pitch Event.

QUESTIONS?

<http://id4d.worldbank.org/missionbillion>

