



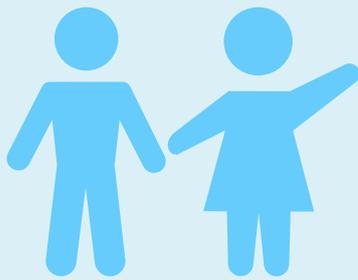
# OPENCRVS

## A standards-based solution for civil registration



### WHAT IS THE PROBLEM?

Despite the obligations of governments to register all births, levels of birth registration across the developing world remain critically low.



# 135 MILLION

boys and girls in Asia and the Pacific have not had their births registered, representing almost

# 60%

of the world's unregistered children.

### WHY IS IT IMPORTANT?

More than 100 countries lack the capacity to track major life events such as births, deaths and marriages.

Birth registration is the first step in securing legal identity, nationality, and accessing other basic rights like education, health, and social protection. A birth certificate provides the documentary evidence required for such things as graduating, voting, inheriting, and obtaining a passport.

Data gathered through civil registration produces vital statistics. Vital statistics create accurate assessments of economic growth and poverty levels of a country, and a means of measuring global targets.

The importance of Civil Registration and Vital Statistics (CRVS) is captured in the Sustainable Development Goals, specifically under goals 16 and 17.

16 PEACE AND JUSTICE STRONG INSTITUTIONS



## TARGET 16.9:

“By 2030, provide legal identity for all, including birth registration”

17 PARTNERSHIPS FOR THE GOALS



## TARGET 19.7:

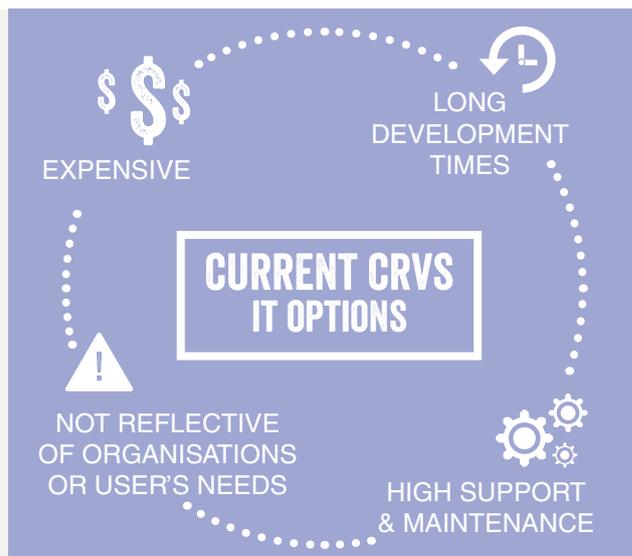
“By 2030, build on existing initiatives to develop measurements of progress on sustainable development that complement gross domestic product, and support statistical capacity-building in developing countries”

# CURRENT STATE OF AFFAIRS

ICT has the potential to transform CRVS systems based on its ability to extend registration coverage, standardise and streamline processes, and integrate data, all at a low cost.

The advantages of ICT technologies are clear, that's why developing countries are making huge investments to digitise their CRVS systems, focusing mainly on the IT solution.

IT options for CRVS currently include expensive custom-built systems or proprietary solutions, which have long development times, high support and maintenance costs, and do not reflect the organisations' or users' needs. The end result being an incomplete system that end-users can't operate with persistent bugs and bottlenecks that countries are unable to fix due to high cost, low capacities.



## HOW DO WE FIX IT?

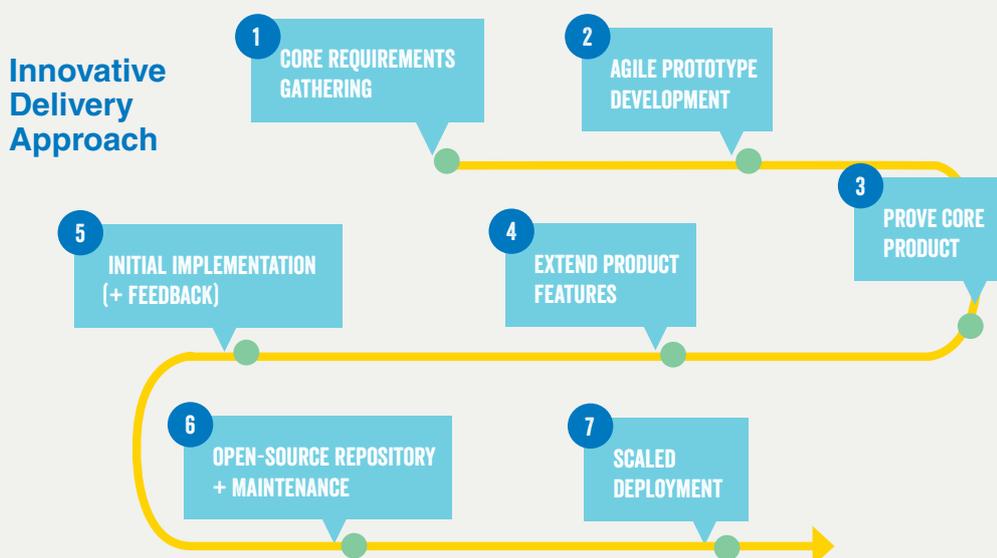
Globally, there is no freely available CRVS software package that provides the functionality specified within the UN standards, and the safeguards to ensure that personal data is transferred and stored in a secure and confidential manner.

Plan International Australia proposes developing a standards-based software solution to provide for civil registration and population data needs in low resource settings. The *open source* CRVS platform will be free, fully compliant, and adaptable for different country contexts in Asia and the Pacific. The software will be easy to deploy, user-centric, and require minimal skills for customisation, maintenance and support.

## HOW "OPENCRAVS" WORKS?

OpenCRVS will revolutionise the collection and use of life event data in a sustainable, scalable, and cost-effective way:

- ✓ There are no **license fees** or **vender lock-in**.
- ✓ The **software is agile**. It will continually evolve as countries go through the implementation lifecycle, strengthening the core product.
- ✓ It has **multiple access methods** to ensure community level registration and account for different connectivity levels and infrastructure requirements in low resources settings.
- ✓ It is **interoperable**. It is designed to integrate data from multiple government systems, such as health information systems and population registers.
- ✓ Its **free** so funds can be better directed to customisation and contextualisation.



## SYSTEM USERS



CITIZEN

OPERATIONAL STAFF

MANAGEMENT

ADMIN

### WEB ACCESS

WEB

DESKTOP APPLICATION

MOBILE

### CORE BUSINESS FUNCTIONS

REGISTRATION OF VITAL EVENTS

CAUSE OF DEATH DETERMINATION

CERTIFICATE MANAGEMENT

STATISTICAL REPORTING

### SUPPORT FUNCTIONS

WORKFLOW MANAGEMENT

DOCUMENT MANAGEMENT

PERFORMANCE MANAGEMENT

AUDIT MANAGEMENT

FINANCE

PAYMENTS

COMMS

LEGACY DATA

HELPDESK

USER ADMIN

### TECHNICAL

SECURITY PROTOCOLS

LOGGING AND TRACEABILITY

SYSTEM INTEGRATION

### EXTERNAL SYSTEMS

NSO DB

MINISTRY OF HEALTH

MINISTRY OF JUSTICE

MINISTRY OF PLANNING

POPULATION REGISTRY

NATIONAL ID

CIVIL SOCIETY

## APPLICABLE

**Standards-based:** CRVS + technical.

**User-centric:** reflects the realities of local contexts and the capacity of end-users.

**Secure:** security of end users and their data as a fundamental design principle

## ADAPTABLE

**Flexible / modular:** easy to configure in a wide variety of country contexts.

**Inclusive:** accessibility for the hard to reach by design.

**Resilient:** designed to withstand shocks caused by natural disasters and crisis.

## SCALABLE

**Open source:** adopting and extending existing open-source components.

**Interoperable:** inclusion of CRVS as a component within "open" information exchange specifications.

**Affordable:** uses widely available technologies so local resources can be used for development and maintenance.

1. STANDARDS-BASED
2. USER-CENTRIC
3. SECURE
4. FLEXIBLE
5. INCLUSIVE
6. RESILIENT
7. OPEN SOURCE
8. INTEROPERABLE
9. AFFORDABLE

# THE IMPACT

**10 COUNTRIES TO BE USING OPENCRVS  
BY 2020 WITH AN ESTIMATED 2M BIRTHS  
REGISTERED EACH YEAR**

## WHY WORK WITH US?

**Plan International is the leading global civil society organisation working on CRVS digitisation.**

- **SUPPORTED 32 GOVERNMENTS REGISTER OVER 40 MILLION CHILDREN**
- **INFLUENCED LAWS IN 10 COUNTRIES SO THAT 153 MILLION CHILDREN CAN NOW REALISE THEIR RIGHT TO A BIRTH CERTIFICATE**

## BIRTH REGISTRATION INNOVATION TEAM (BRIT)

Plan International and Accenture, through the global partnership, joined together and developed a global business case to look at innovations for birth registration, which led to the establishment of the BRIT team and the creation of the OpenCRVS concept.

BRIT is an active member of the Africa and Asia-Pacific regional core groups. BRIT has led the development of the CRVS digitisation guidebook ([www.crvs-dgb.org](http://www.crvs-dgb.org)).

BRIT works with a wide range of leading global partners, including **WHO, UNICEF, World Bank, UNHCR, PARIS21, DFAT, SIDA, Better Data for Health.**

### PLAN INTERNATIONAL'S BRIT TEAM BIO'S

**Edward Duffus:**  
**Birth Registration  
Innovation Team Manager**

Over 12 years of IT Project Management and global systems implementation with Accenture in London, Paris and Brussels, now leads the team to develop innovative birth registration programmes that utilise appropriate digital technologies.

**Annina Wersun:**  
**Birth Registration  
Innovation Technical Lead**

Over 4 years of IT Project Management and global systems implementation experience with Accenture, now supports the development of birth registration programmes and solutions as part of Plan's DBR Programme.

**Sophie Shugg:**  
**Senior Child Rights  
and Protection Advisor**

Over 8 years of birth registration programming and advocacy experience in development, emergency, and refugee contexts, now providing child rights and protection technical support for Plan Offices in the Asia Pacific region.

