



# ID Day 2018

*The need for secure identification  
– an overall perspective*



**WENCHE BJØRNGAARD**

**Host and Head of Communications  
Norwegian ID Centre**



**THOR KLEPPEN SÆTTEM**

**State Secretary for the Minister of Justice,  
Public Security and Immigration**



**TONE OPDAHL**

**Manager  
Norwegian ID Centre**



**EUROPE**

The image features a solid blue background. On the right side, there is an abstract graphic consisting of several overlapping triangles. These triangles are filled with a pattern of fine, parallel white lines that run diagonally from the top-left to the bottom-right. The triangles are arranged in a way that they appear to be layered, with some partially obscuring others, creating a sense of depth and geometric complexity.

# SOFIA BOTZIOS

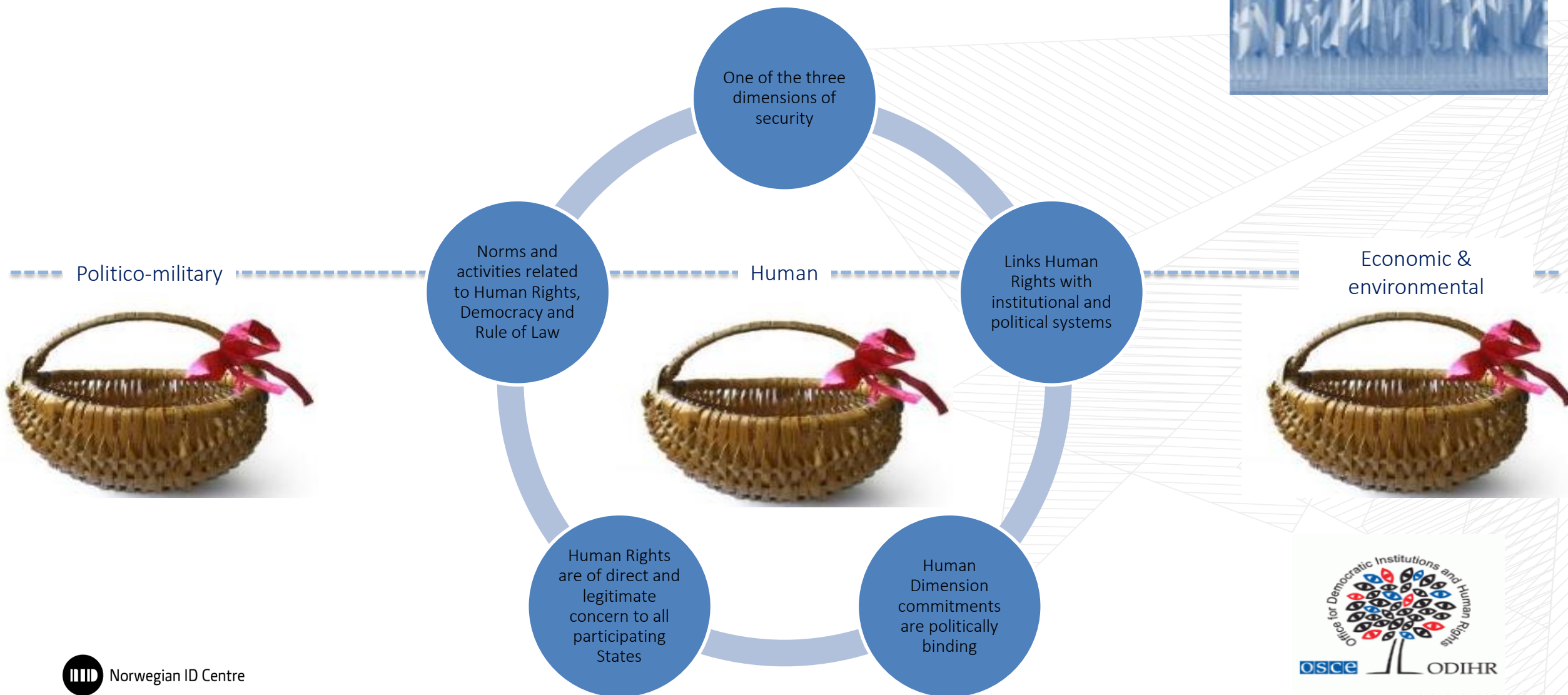
## OSCE



# OVERVIEW OF ODIHR's WORK IN IDENTITY MANAGEMENT AND FREEDOM OF MOVEMENT



# What is the OSCE and how does it work?





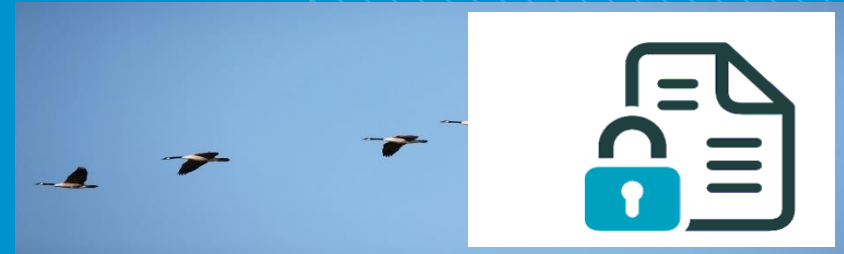
# OSCE Commitments on Freedom of Movement

*Participating States “will respect fully the right of everyone to freedom of movement and residence within the borders of each State, and to leave any country, including his/her own, and to return to his/her country.”*  
(Vienna, 1989)



# The importance of secure documents

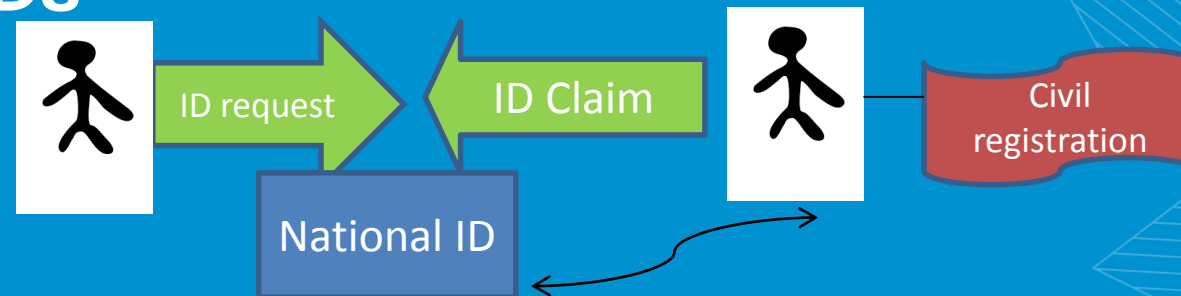
To travel freely, visit or settle in another country or be able to develop human contacts, safe and secure travel documents are necessary.



Improvements in security of travel documents has a positive effect on freedom of movement, but also keeps out threats such as the movement of terrorist groups.

# Compendium on Good Practices in Identity management

**Examines practice of interaction between civil registration systems and systems for issuance of travel documents and national IDs**



**Helps participating states to compare their systems and spot weaknesses in security of documents**

# Compendium as Culmination of OSCE work on identity management

2013 Expert Roundtable to examine link between Travel Document Security and Civil registration Processes

Main recommendations = to develop a Compendium

Link to UNSCR 2178 – prevention of cross border movement of terrorists groups

Legal and Technical support and training to various PSs to strengthen Identity Management Systems



# What next for ODIHR?



Continuation of dissemination of Compendium and findings

Continuation of support to Participating States when requested



Work on examining equal access to civil registration and IDs or travel documents for women and men in the OSCE area.



# ZORAN DJOKOVIC

Independent consultant

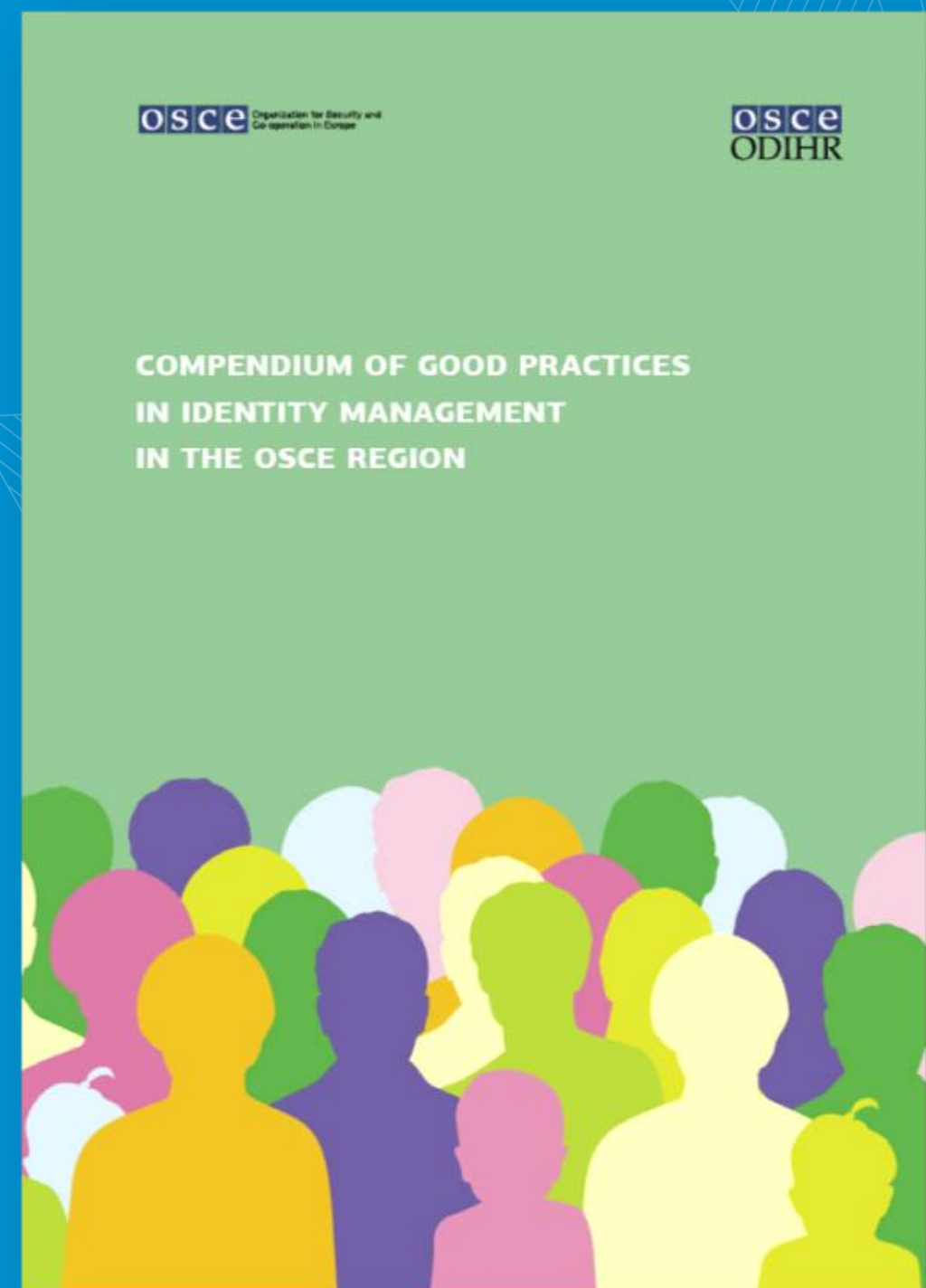
# Goals of the Compendium

Mapping identity management models in the OSCE region

Sharing the latest trends in the OSCE region

Measures for prevention identity related fraud

Good practices in advancing identity management infrastructure



## Civil registration

**Local Databases only**

**Networked local databases**

(event based registers)

**Central civil registration database linked with local databases**

(event or person based)

**Population register**

(person based)

### Responses by OSCE participating States

Is the archive related to the civil status registration digitized?

YES

NO

Partially

% of positive responses as a proportion of received responses

**45%**

**21%**

**38%**



## Civil registration

**Local Databases only**  
**Networked local databases**  
(event based registers)

**Central civil registration database linked with  
local databases**  
(event or person based)

**Population register**  
(person based)



### Responses by OSCE participating States

		no response	response received	positive responses	% of positive responses as a proportion of received responses
Is there a unique identifier or personal identification number (PIN) assigned to each person?	YES	1	40	34	85%
	NO	1	40	6	15%

# OSCE Participating States

## National identity Cards

National identity card	Number of participating States
Mandatory for all resident citizens	40
Issued upon request to resident citizens	9
Not issued	8

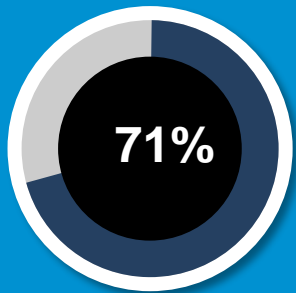
# National Identity Cards

- Documentary evidence requirements
- Identity verification

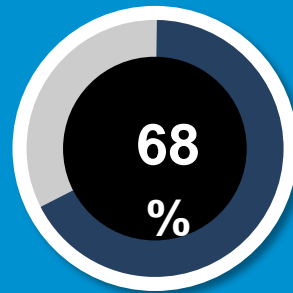
## Mandatory **online** identity verifications in the civil register

(based on the responses from 41 OSCE participating States)

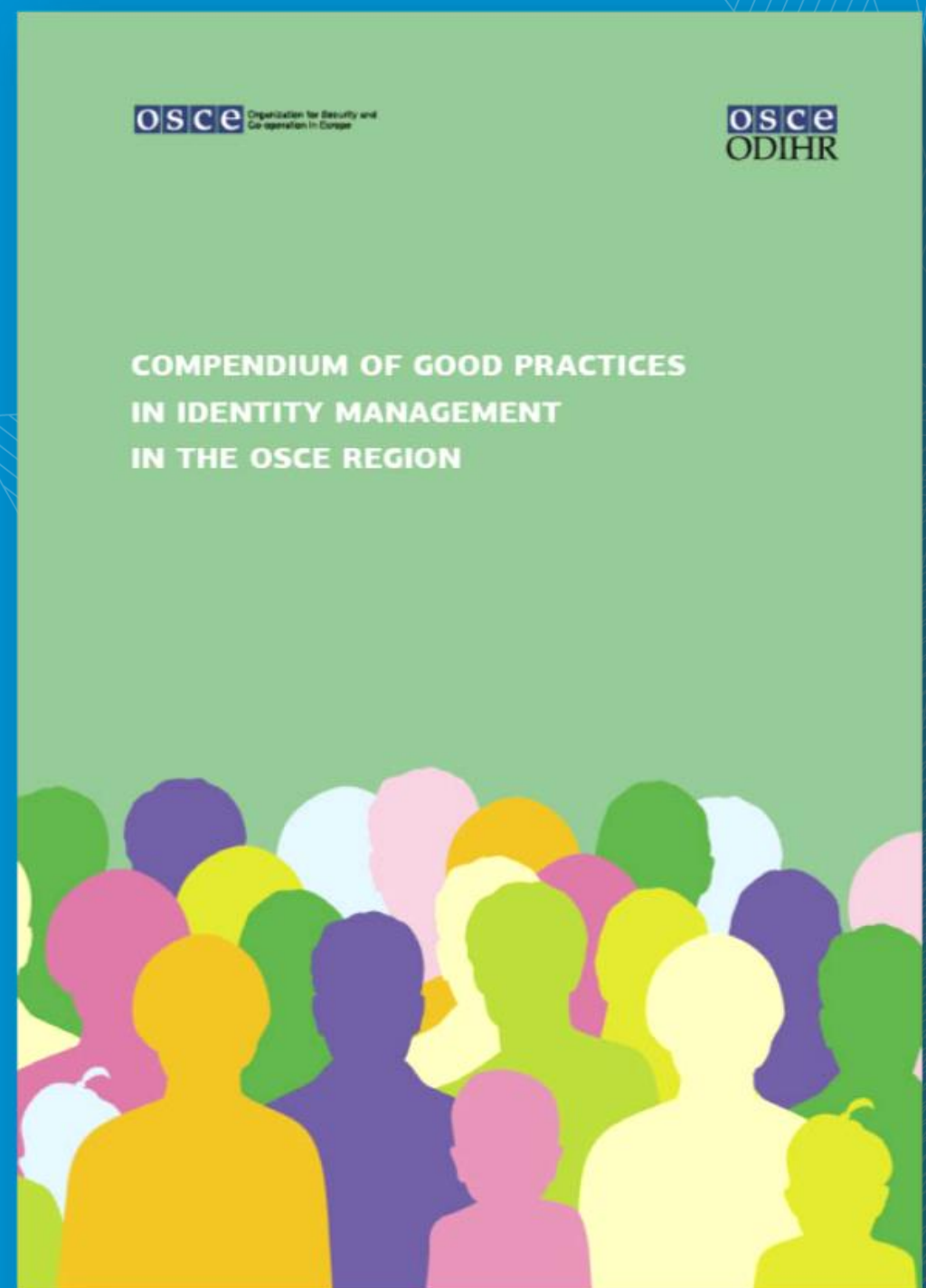
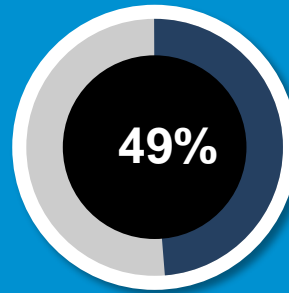
Birth records



Deceased persons



Marriage records



# National Identity Cards

Verification of the link between an identity and a natural person for the first-time applicants (minors and adults)

Social footprint

## Biometric identifiers **in database**

Responses by OSCE participating States		no response	response received	positive responses	% of positive responses as a proportion of received responses
What personal biometric information is stored in the database?	Digital photo	9	32	31	97%
	Digitized signature	9	32	29	91%
	Fingerprint	9	32	13	41%

## Biometric identifiers **on the document**

Responses by OSCE participating States		% of positive responses as a proportion of received responses
Electronic biometric information stored on document:	No biometric information stored	28%
	Digital photo	72%
	Fingerprint	38%
	Digitized signature	59%



# Civil identification

## Document renewal

Responses by OSCE participating States		No response	response received	positive responses	% of positive responses as a proportion of received responses
Automatic and mandatory online verification	Match between presented national identity card/travel document data and the data in the national identity card/travel document database	0	41	33	80%
	Biometric match (photo match or fingerprint match)	0	41	23	56%
	Signature match against the signature on file	0	41	7	17%
Responses by OSCE participating States		No response	response received	positive responses	% of positive responses as a proportion of received responses
Mandatory verification in paper records	Match between presented national identity card/travel document data and the data in the national identity card/travel document database	0	41	8	20%
	Biometric match (photo match or fingerprint match)	0	41	3	7%
	Signature match against the signature on file	0	41	10	24%
Responses by OSCE participating States		No response	response received	positive responses	% of positive responses as a proportion of received responses
Verification conducted only in case of doubt	Match between presented national identity card/travel document data and the data in national identity card/travel document database	0	41	5	12%
	Biometric match (photo match or fingerprint)	0	41	8	20%

# Civil identification

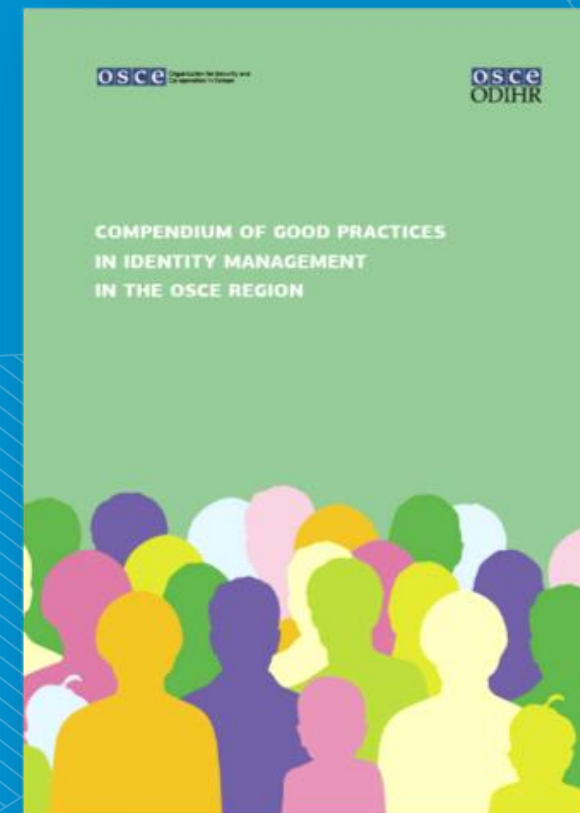
## Identity Management of resident non-citizens

Responses by OSCE participating States		no response received			positive responses received	% of positive responses as a proportion of responses received
Unique identification number assigned to resident foreign nationals	YES	8	33	25	76%	
	NO	8	33	8	24%	

Responses by OSCE participating States		no response received			% of positive responses as a proportion of responses received
Do you require resident foreign nationals to provide fingerprints at some point during their stay or upon entry?	YES	8	33	27	82%
	NO	8	33	6	18%

Download at:

[www.osce.org/odihr/registration](http://www.osce.org/odihr/registration)



# FONS KNOPJES

National Office for Identity Data  
Ministry of the Interior and Kingdom Relations  
Netherlands





National Office for Identity Data  
*Ministry of the Interior and  
Kingdom Relations*



# Vision International Identity Management



*November 15<sup>th</sup> 2018*

*Fons Knopjes*

*Senior Research & Development Advisor*

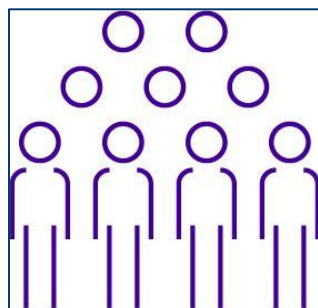


# Agenda

- *NOID*
- *ID infrastructure*
- *Figures*
- *International picture*
- *The Netherlands*
- *Borderless identity*
- *Conclusion*
- *Movie future*



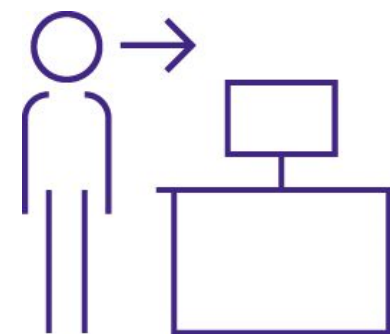
# NOID core business



ID management



ID generation



ID Verification  
@municipality



# Identity infrastructure

	Origin identity	Use identity	Control identity	End identity
Registrations				
Tokens (Documents)				
Processes				
Expertise				





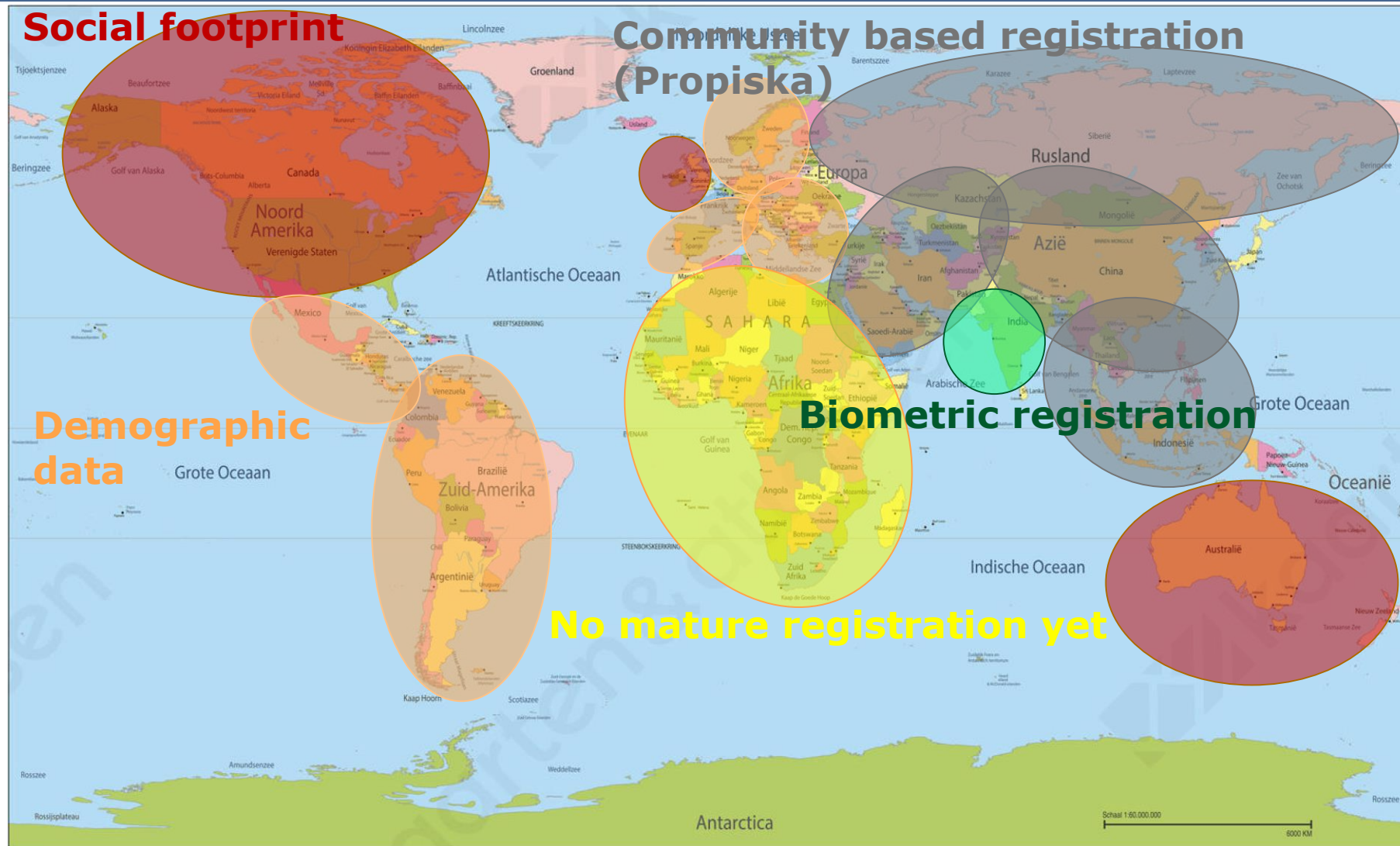
# Population Growth

	2017	2030	2050
<b>World</b>	7,55 mld	8,55 mld	<b>9,77 mld</b>
<b>Norway</b>	5,3 mlj	5,96 mlj	<b>6,8 mlj</b>

# Traveller Growth

	2016	2035
<b>World</b>	3,8 mld	<b>7,2 mld</b>

Source Population Growth: UD Department of Economic and Social Affairs  
[https://esa.un.org/unpd/wpp/publications/Files/WPP2017\\_KeyFindings.pdf](https://esa.un.org/unpd/wpp/publications/Files/WPP2017_KeyFindings.pdf)  
Source traveller Growth: IATA  
<https://www.iata.org/pressroom/pr/Pages/2016-10-18-02.aspx>





## Global / EU (*identity*)

### Impact content

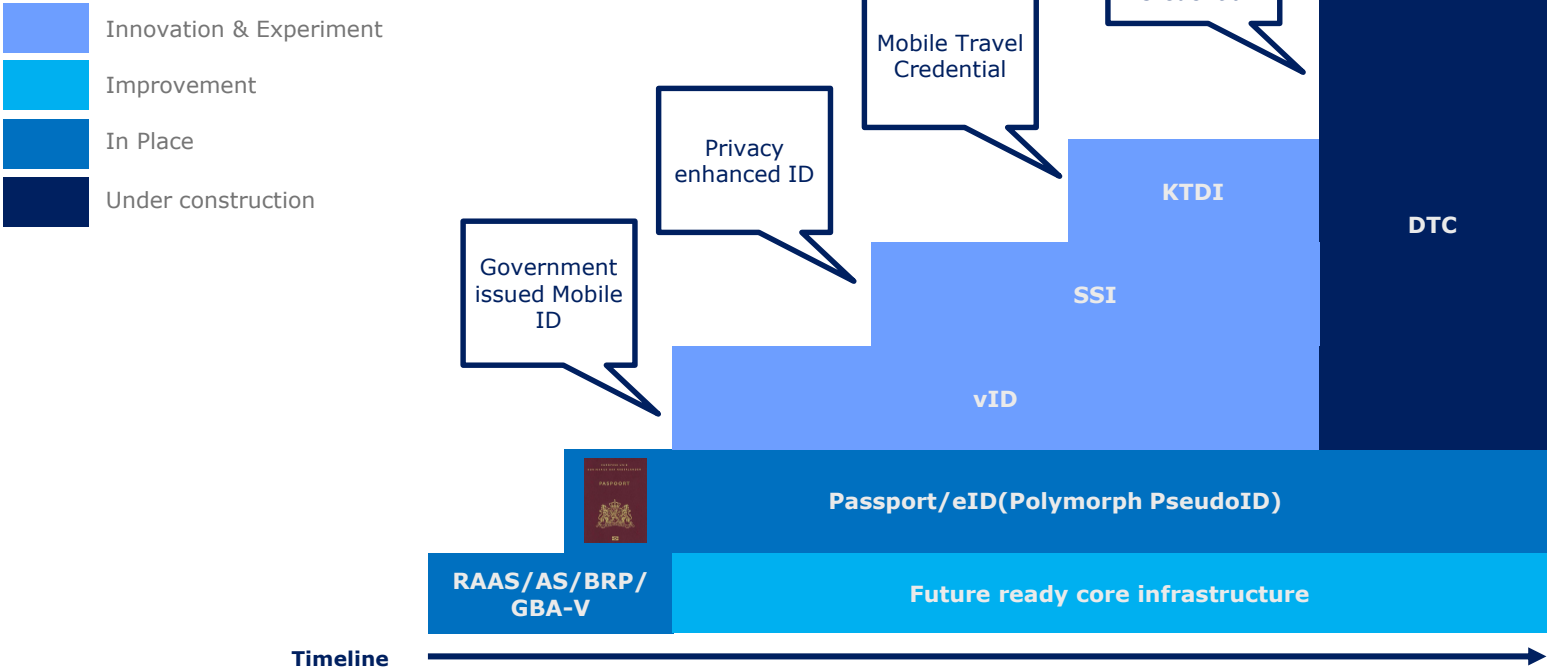
- Scaling
- Regionalization
- Digitization and use of technique
- Biometric
- Speed and flexibility
- Standardisation
- Changing verification techniques
- Terrorism
- Single Digital Gateway
- GDPR

### Administrative impact

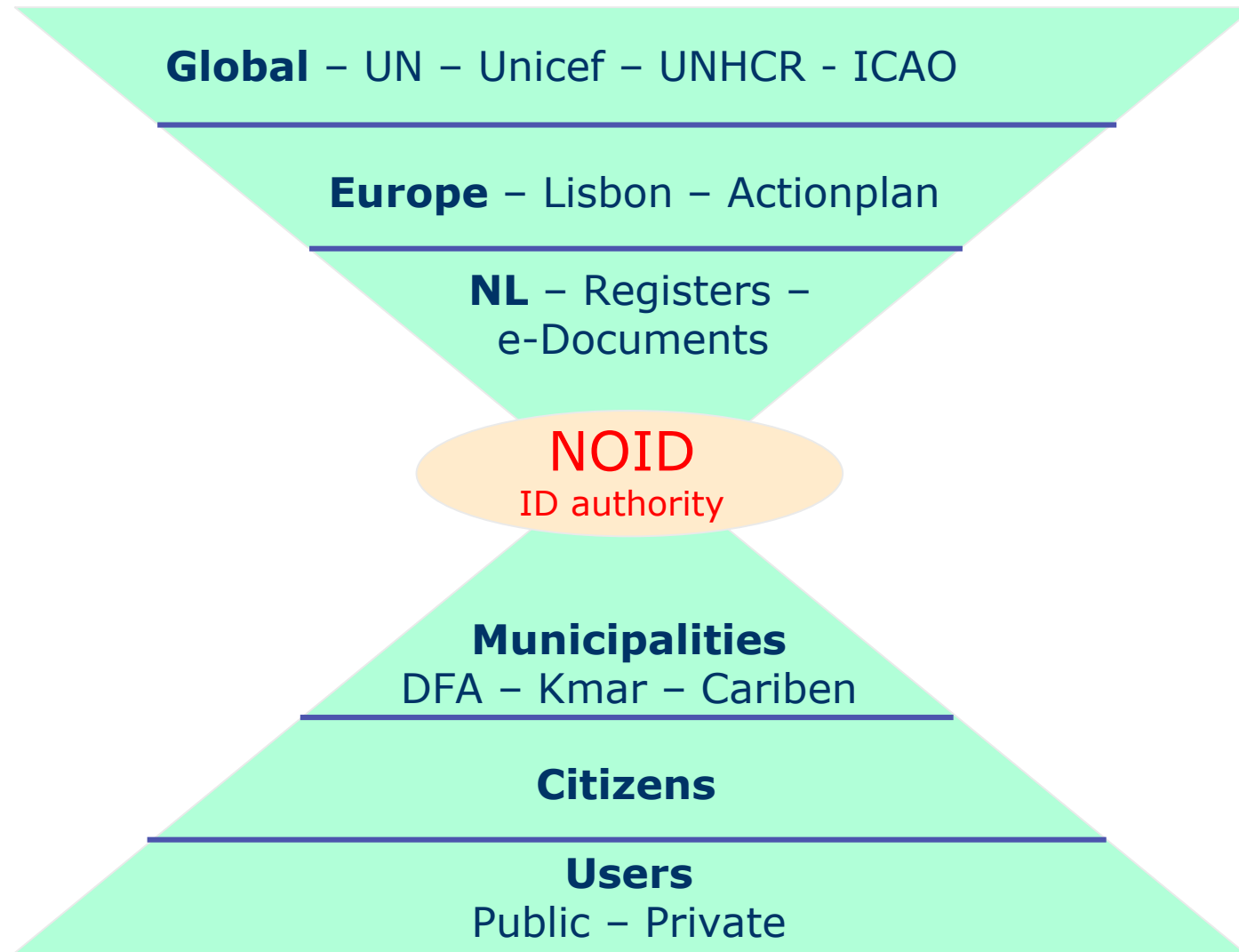
- Universal declaration of human Right
- Declaration of Right of child
- UNHCR declaration
- ICAO TAG/TRIP program
- Lisbon Agreement
- Action plan EC 12-2016
- FRONTEX



# Road map: from Dutch ID to Global DTC











## Requirements for borderless identity

- *Implement ID management processes according to standards for*
  - *Biometric interoperability*
    - *ISO standards of the subcommittees 27 (IT security techniques) and 37 (Biometrics)*
    - *ISO Standards of the technical committee 68 on financial services*
  - *Biometric Security*
    - *For example using ISO/IEC IS 24745:2011 – Biometric information protection*



# Requirements for borderless identity

- *Scalability and proportionality*
  - *Implement processes according to standards*
    - *ISO/IEC DIS 30124 – Code for practice for the implementation of biometric systems*
  - *Choosing biometric modes to reach scalability and proportionality*
    -  *Face for identity verification (1:1), as it is convenient (available and well accepted)*
    -  *Fingerprint for identification (1:N), as it is scalable (distinctive and unalterable)*



# Implementation of Borderless Identity

- *Concepts and infrastructure*
  - *More and more recognised that the concept of identification is:*
    - *Relative: evidence of identity, no proof of identity*
    - *Quantitative: face and fingerprint have their own merits*
    - *Dynamic: to increase or decrease the evidence of identity*
- *Digital ID infrastructure take over the paper based processes*







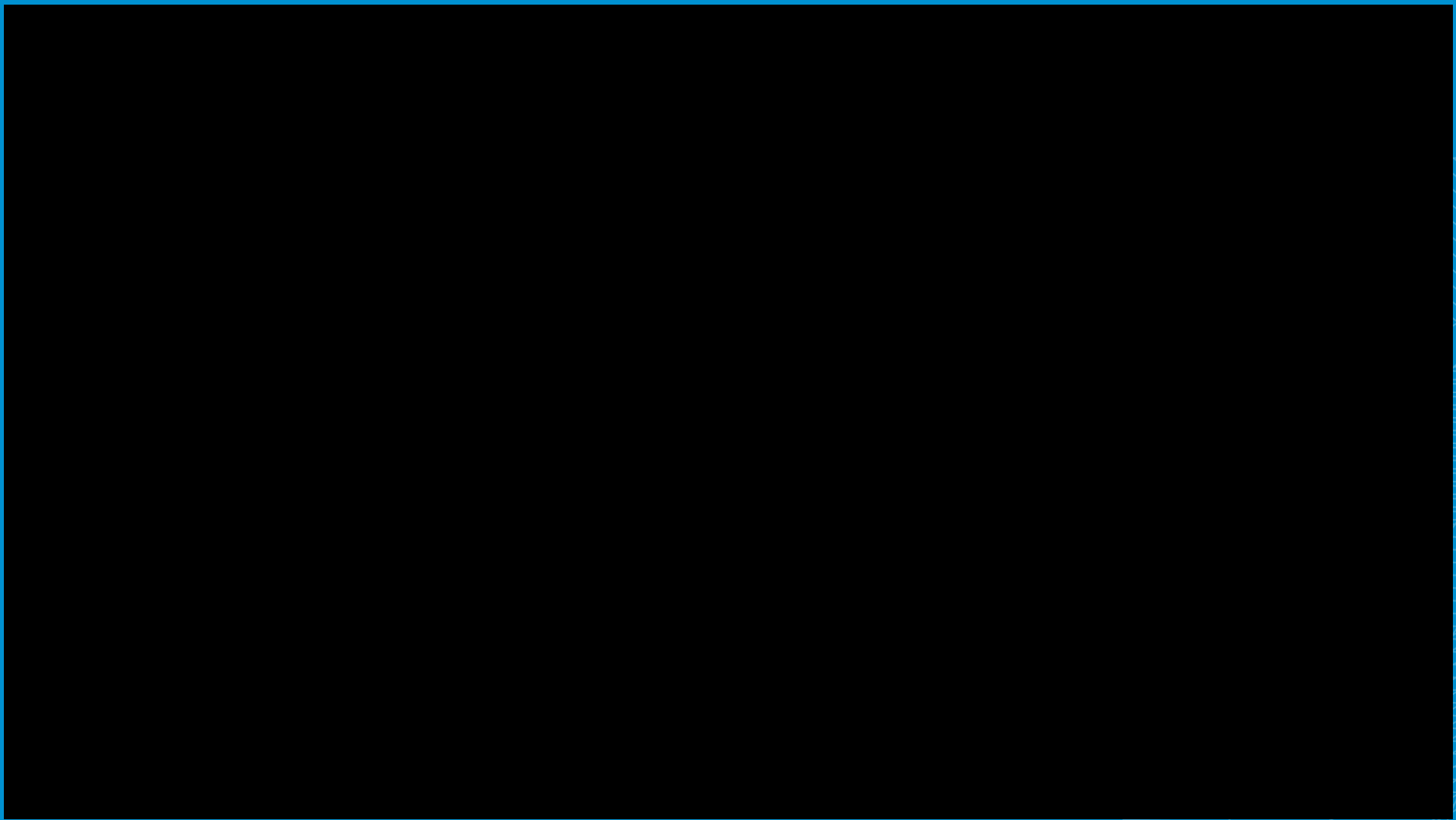
# Implementation of Borderless Identity

- *Roles and processes*
  - *ID management processes will be accepted if they offer balance between:*
    - *Privacy and trust (front office = back office)*
    - *Control and facilitation (unconstrained ID verification)*
  - *Roles and mandates regarding ID management still need clarification*
    - *Established international organisations for standards*
    - *Ad hoc international platform to coordinate ID processes*
    - *Quality assurance to accredit the processes and certify the actors*



## Conclusion

- *Achieve borderless ID is an ambitious goal requiring to build bridges with the international partners to:*
  - *Share a vision of ID management in the XXIst century*
  - *Translate the vision into ID management concepts*
  - *Implement these concepts in adequate ID management processes*





# ANDREAS WOLF

Bundesdruckerei GmbH  
Germany

# **Breeder Documents: CEN/TC 224/WG 19 and the harmonization of birth certificates in Europe**

**Dr. Andreas M. Wolf**


**Convenor, CEN/TC 224/WG 19 Breeder Documents**



# What happens when you search the Web for *breeder document*?

The screenshot displays a Google search results page for the query "breeder document". The search bar at the top shows the query and the Google logo. Below the search bar, there are tabs for "Alle", "Bilder", "Videos", "Shopping", "News", "Mehr", "Einstellungen", and "Tools". The search results are displayed in a grid format, showing various documents and images related to the topic of breeder documents. The results include:

- The Challenges: Different Terminology**: A document discussing the challenges of different terminology for breeder documents.
- BREEDER DOCUMENTS?**: A document discussing the challenges of different terminology for breeder documents.
- ICAO TRIP Strategy**: A document discussing the ICAO TRIP Strategy for breeder documents.
- Why RFID?**: A document discussing the benefits of RFID technology for breeder documents.
- ArjoSoluti**: A document discussing the ArjoSoluti system for breeder documents.
- Counterfeit Fraud Techniques**: A document discussing various techniques for creating counterfeit breeder documents.
- Sentencing Guidelines**: A document discussing the sentencing guidelines for breeder document fraud.
- DL Origins - not identification**: A document discussing the origins of driver licenses and their role in identification.
- Objective**: A document discussing the objectives of breeder document systems.
- ICAO TRIP Strategy**: A document discussing the ICAO TRIP Strategy for breeder documents.
- Why RFID?**: A document discussing the benefits of RFID technology for breeder documents.
- ArjoSoluti**: A document discussing the ArjoSoluti system for breeder documents.
- Counterfeit Fraud Techniques**: A document discussing various techniques for creating counterfeit breeder documents.
- Sentencing Guidelines**: A document discussing the sentencing guidelines for breeder document fraud.
- DL Origins - not identification**: A document discussing the origins of driver licenses and their role in identification.
- Objective**: A document discussing the objectives of breeder document systems.

 Norwegian ID Centre

# GEBURTSURKUNDE

Standesamt Dettingen am Main Nr. 2/1885  
Otto Lang  
geb. 6. April 1885  
in Dettingen am Main geboren  
Vater, Frans Lang II., Kaufmann.  
katholisch, wohnhaft in Dettingen am Main.  
Mutter, Antonia Lang geborene Feiner,  
katholisch, wohnhaft in Dettingen am Main.  
Änderung der Eintragung: keine.

Dettingen am Main, den 7. April 1985

Der Standesbeamte  
in Vertretung:  
*Giedemann*

Geb.-Reg. 13  
Gebühr 30



Vertrieb 4009 Walter Kuhn, Verlagsgesellschaft Buchdruckerei, München 13, Schwanthausstr. 41

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# What are Breeder Documents?

- In Germany, “Breeder Documents” are civil status documents
- Register extracts from civil status registers
- Marriage certificates
- Partnership certificates
- **Birth certificates**
- Death certificates
- Copies from the register of death declarations

# An attempt to define Breeder Documents

Evidence of identity (EOI), sometimes mentioned as **breeder documents** in a physical representation form, refers to a single or a set of evidence that can be used to provide confidence to the claimed identity. Trust of evidence of identity needs prudential assessment by an authority or a service provider before such evidence of identity can be accepted for identity verification or eligibility evaluation purposes.

Yang et.al.: Towards standardizing trusted evidence of identity. Proceedings of the 2013 ACM workshop on Digital identity management.  
[https://www.researchgate.net/publication/262362997\\_Towards\\_standardizing\\_trusted\\_evidence\\_of\\_identity](https://www.researchgate.net/publication/262362997_Towards_standardizing_trusted_evidence_of_identity)

**Why do we need harmonization of  
breeder documents?  
Doesn't it work as it is?**



# EU Position: Registration of Identity



EUROPEAN  
COMMISSION

Brussels, 16.10.2018  
COM(2018) 696 final

## **REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND THE COUNCIL**

**on the implementation of the Action Plan to strengthen the EU response to travel  
document fraud**

# EU Position: Registration of Identity

Regarding **Research & Development activities** on breeder documents and document verification including mobile technologies, the Commission financed three main projects in the framework of the Horizon 2020 programme for Secure Societies: **ORIGINS**, which finished mid-2017, **FIDELITY** concluded in 2015 and **ARIES** launched in 2016. These research projects address aspects related to combating ID fraud, protection of existing identities, image morphing and fingerprint spoofing. Follow-up activities include continuity of the ORIGINS project through the **European Committee for Standardisation (CEN) WG19 on breeder documents standardisation**; a consortium on an image morphing research program; the SIRIUS project aiming at capturing standardised reference data from documents and ENLETS Mobile, which looks into new developments and shares good practices on mobile solutions for front line law enforcement officers.

# Issues to be addressed by harmonized breeder documents

- Read and understand documents issued in other (all?) countries.
- Verify validity and authenticity of a document and its content.
- Do this automatically, with low effort, inexpensive and simple.
- Bind the document to its holder.
- Avoid any patented technology.
- Consider and accept national legal and cultural context needs.
- Be aware that the cryptographic technology will change during the lifetime of a breeder document.
- Be aware that the transition and co-existence of old and new documents will take decades.

# Winners

- Europeans not living in their country of birth.
- Migrants from other countries whose identity may be determined faster.
- All who need a reliable ground truth to prove their identity.
- Individuals to be identified and authorities/organizations to determine or verify that identity.



# Losers

- Fraudsters. Of all kind.
- It will take time until the new system takes effect.
- The advantages do not take effect during one legislative period.
- This is not a short term project!





**How to proceed?**

**Identify best practices,  
harmonize,  
standardize.**

# History and work schedule of WG 19

- **Established by CEN/TC224 Decision 2016/2030:**  
“CEN/TC 224 approves the creation of a Working Group dedicated to the standardization of Breeder Documents and invites AFNOR to start the process of the creation of the group, considering the importance of the topic for European standardization, by the end of January 2017.”
- **Standardization of Breeder Documents for Europe:**  
“CEN/TC224/WG19 is leading standardization activities specifically for Europe in the field of Breeder Documents. It includes, but is not restricted to, data collection, application, issuance and renewal processes.”

# Members of WG 19

- Part of CEN/TC224 “Personal identification, electronic signature and cards and their related systems and operations”.
- 37 registered experts from Austria, Finland, France, Georgia, Germany, the Netherlands, Norway, Spain, Switzerland, UK, and ANEC.
- Secretariat: Sobhi Mahmoud (DIN)
- Convener: Andreas Wolf (DIN)
- Next meetings:
  - 7th meeting: 05-12-2018 – 06-12-2018 in Teddington (UK)
  - 8th meeting: 06-03-2019 – 07-03-2019 in Madrid (ES)
  - 9th meeting: 25-06-2019 – 26-06-2019 in Munich (DE)
  - 10th meeting: 23-09-2019 – 24-09-2019 in Helsinki (FI)

# The project

## **TS on “Personal identification – Secure and Interoperable European Breeder Documents”**

- The text work is ongoing.
- Jens Urmann (DIN) works as Editor.



# Additional action items of WG 19

- Preparation of a roadmap covering all topics which might become important when standardizing breeder documents within the next two to ten years.
  - Inclusion of biometric data?
  - If yes, which modality or modalities?
  - Block chain or other distributed ledger technologies?
- Cooperation with stakeholders
  - EU Commission (DG HOME, JRC, ...)
  - ICAO (NTWG, ICBWG)
  - ISO/IEC JTC 1/SC 17/WG 3
  - Relevant research projects

# Biometrics

- For sure a good breeder document needs a close binding between the document and its holder.
- Which biometric characteristic? Fingerprint? DNA? Something else?
- How to protect privacy wrt. biometric data? What about acceptance of biometric technology?
- How to encode and secure biometric data?
- Consider data format, storage, access control, ageing.



# State of the art

- As already mentioned: The FP7 research projects
  - FIDELITY
  - ORIGINS
- are a starting point for the WG 19 project.

# Scalable validation and verification of harmonized breeder documents





# Harmonized layout

**BIRTH CERTIFICATE**  
GEBURTSURKUNDE/CERTIFICATE DE NAISSANCE

01. DOCUMENT NUMBER  **D001456BABC0123**

02. PLACE OF BIRTH  
**Brandenburg**

03. DATE OF BIRTH  
**15.12.1990**

04. SEX OF THE CHILD  
**F**

05. SURNAME OF THE CHILD  
**Mustermann**

06. FORENAMES OF THE CHILD  
**Erika, Maria, Sophia**

07. SEX OF THE FIRST PARENT  
**F**

08. SURNAME OF T. F. P.  
**Mustermann**

09. FORENAMES OF T. F. P.  
**Katharina**

10. BIRTH NAME OF T. F. P.  
**Schmidt**

11. SEX OF THE SECOND PARENT  
**M**

12. SURNAME OF T. S. P.  
**Mustermann**

13. FORENAMES OF T. S. P.  
**Jakob Thomas**

14. BIRTH NAME OF T. S. P.  
**-**

15. NAME OF THE ISSUING AUTHORITY  
**Standesamt Mitte**

16. DATE OF ISSUANCE  
**22.12.1990**

17. PLACE OF ISSUANCE  
**Berlin**

18. DATE OF BIRTH OF THE FIRST PARENT  
**31.12.1965**

19. PLACE OF BIRTH OF T. F. P.  
**Hamburg, Germany**

20. CITIZENSHIP OF T. F. P.  
**German**

21. CREDENTIAL NUMBER OF T. F. P.  
**D0012345XYZ1234**

22. DATE OF BIRTH OF THE SECOND PARENT  
**01.02.1960**

23. PLACE OF BIRTH OF T. S. P.  
**Wien, Austria**

24. CITIZENSHIP OF T. S. P.  
**Austrian**

25. CREDENTIAL NUMBER OF T. S. P.  
**AUT98765ABCDEF**

26. NAME OF THE ISSUING OFFICER  
**Klaus Mueller**

27. BIRTH PLACE ADDRESS  
**Zentralkrankenhaus, Musterstr. 1, 12345 Brandenburg**

28. TIME OF BIRTH  
**21:00**

29. SECONDARY IDENTIFICATION NUMBER  
**123456789ABCDE**

  
Signature/Unterschrift/Signature



30. REMARKS  
**none**

1. numéro du document 2. lieu de naissance 3. date de naissance 4. sexe de l'enfant 5. nom de l'enfant 6. prénoms de l'enfant 7. sexe du premier parent 8. nom du premier parent 9. prénoms du premier parent 10. nom de naissance du premier parent 11. sexe du second parent 12. nom du second parent 13. prénoms du second parent 14. nom de naissance du second parent 15. nom de l'autorité de délivrance 16. date de délivrance 17. lieu de délivrance 18. date de naissance du premier parent 19. lieu de naissance du premier parent 20. nationalité du premier parent 21. n° de l'acte de naissance du premier parent 22. date de naissance du second parent 23. lieu de naissance du second parent 24. nationalité du second parent 25. n° de l'acte de naissance du second parent 26. nom de l'agent chargé de la délivrance 27. adresse du lieu de naissance 28. heure de naissance 29. numéro d'identification secondaire 30. remarques

1. Dokumentennummer 2. Geburtsort 3. Geburtstag 4. Geschlecht des Kindes 5. Nachname des Kindes 6. Vornamen des Kindes 7. Geschlecht des ersten Elternteils 8. Nachname des ersten Elternteils 9. Vornamen des ersten Elternteils 10. Geburtsname des ersten Elternteils 11. Geschlecht des zweiten Elternteils 12. Nachname des zweiten Elternteils 13. Vornamen des zweiten Elternteils 14. Geburtsname des zweiten Elternteils 15. Name der ausstellenden Behörde 16. Ausstellungsdatum 17. Ausstellungsort 18. Geburtsdatum des ersten Elternteils 19. Geburtsort des ersten Elternteils 20. Staatsangehörigkeit des ersten Elternteils 21. Nr. des Ursprungsdokumentes des ersten Elternteils 22. Geburtsdatum des zweiten Elternteils 23. Geburtsort des zweiten Elternteils 24. Staatsangehörigkeit des zweiten Elternteils 25. Nr. des Ursprungsdokumentes des zweiten Elternteils 26. Name des ausstellenden Beamten 27. Geburtsort / Anschrift 28. Uhrzeit der Geburt 29. Nummer der Drittperson (z.B. Zeuge) 30. Bemerkungen

1. documento n. 2. luogo di nascita 3. data di nascita 4. sesso del bambino 5. cognome del bambino 6. nomi del bambino 7. sesso del primo genitore 8. cognome del primo genitore 9. nomi del primo genitore 10. cognome di nascita del primo genitore 11. sesso del secondo genitore 12. cognome del secondo genitore 13. nomi del secondo genitore 14. cognome di nascita del secondo genitore 15. Autorità 16. data di rilascio 17. luogo di rilascio 18. data di nascita del primo genitore 19. luogo di nascita del primo genitore 20. cittadinanza del primo genitore 21. numero del certificato di nascita del primo genitore 22. data di nascita del secondo genitore 23. luogo di nascita del secondo genitore 24. cittadinanza del secondo genitore 25. numero del certificato di nascita del secondo genitore 26. nome del funzionario 27. indirizzo del luogo di nascita 28. ora di nascita 29. numero di identificazione secondario 30. commenti

1. document number 2. geboorteplaats 3. geboortedatum 4. geslacht van het kind 5. achternaam van het kind 6. voornamen van het kind 7. geslacht van de eerste ouder 8. achternaam van de eerste ouder 9. voornamen van de eerste ouder 10. geboortenaam van de eerste ouder 11. geslacht van de tweede ouder 12. achternaam van de tweede ouder 13. voornamen van de tweede ouder 14. geboortenaam van de tweede ouder 15. naam van de uitgevende instantie 16. afgiftedatum 17. afgifteplaats 18. geboortedatum van de eerste ouder 19. geboorteplaats van de eerste ouder 20. nationaliteit van de eerste ouder 21. nummer van de geboortakte van de eerste ouder 22. geboortedatum van de tweede ouder 23. geboorteplaats van de tweede ouder 24. nationaliteit van de tweede ouder 25. nummer van de geboortakte van de tweede ouder 26. naam van de uitgevende functionaris 27. adres van de geboorteplaats 28. geboortetijd 29. tweede ID-nummer (functionaris/getuige) 30. beperkingen

1. número de documento 2. lugar de nacimiento 3. fecha de nacimiento 4. sexo del niño 5. apellido(s) del niño 6. nombre(s) del niño 7. sexo del primer progenitor 8. apellido(s) del primer progenitor 9. nombre(s) del primer progenitor 10. apellido de soltero del primer progenitor 11. sexo del segundo progenitor 12. apellido(s) del segundo progenitor 13. nombre(s) del segundo progenitor 14. apellido(s) de soltero del segundo progenitor 15. nombre de la autoridad emisora 16. fecha de emisión 17. lugar de emisión 18. fecha de nacimiento del primer progenitor 19. lugar de nacimiento del primer progenitor 20. nacionalidad del primer progenitor 21. número de credencial del primer progenitor 22. fecha de nacimiento del segundo progenitor 23. lugar de nacimiento del segundo progenitor 24. nacionalidad del segundo progenitor 25. número de credencial del segundo progenitor 26. nombre del funcionario responsable de la emisión 27. dirección del lugar de nacimiento 28. hora de nacimiento 29. número de identificación secundario 30. comentarios



# Harmonized data content

based on the 2013 draft ICCS Convention recommendations

## Mandatory data records

- 1 Document number
- 2 Place of birth
- 3 Date of birth
- 4 Sex of the child
- 5 Surname of the child
- 6 Forenames of the child
- 7 Sex of the first parent
- 8 Surname of the first parent
- 9 Forenames of the first parent
- 10 Birth name of the first parent
- 11 Sex of the second parent
- 12 Surname of the second parent
- 13 Forenames of the second parent
- 14 Birth name of the second parent
- 15 Name of the issuing authority
- 16 Date of issuance
- 17 Place of issuance

## Recommended data records

- 18 Date of birth of the first parent
- 19 Place of birth of the first parent
- 20 Citizenship of the first parent
- 21 Credential number of the first parent
- 18 Date of birth of the second parent
- 19 Place of birth of the second parent
- 20 Citizenship of the second parent
- 21 Credential number of the second parent
- 26 Name of the issuing officer
- 27 Birth place address
- 28 Time of birth
- 29 Secondary identification number
- 30 Remarks

# Durability and physical security

FIDELITY provides mandatory and optional features for breeder documents to achieve

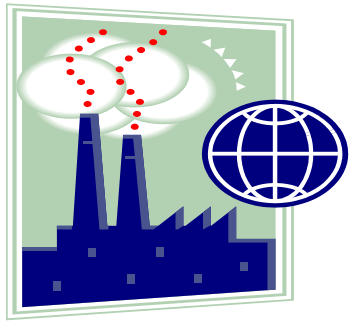
- life-long durability
- security against manipulation and fraud
- machine readability to facilitate (automated) processes

FIDELITY suggests to

- produce breeder documents centrally
- with a standardized number scheme
- personalize breeder documents locally

# Durability and physical security

## Pre-production



Centralized production of pre-personalized documents containing:

- Unique number
- Optical security features
- Double ID-3 format



Final personalization at the local authorities



Personalized document handed out to the citizen



# Establish a Europe-wide harmonized numbering system



[http://europa.eu/about-eu/countries/index\\_en.htm](http://europa.eu/about-eu/countries/index_en.htm)

Example: 15 digits

**ABC 1A3B5 XY67Z89**

Country code, 3 characters  
Issuing authority  
Consecutive number

- Use three-letter country codes as defined in ISO/IEC 7501
- Every pre-personalized document has a unique number
- Establish a EU wide tracking system



# Machine readability

## Use two 2D barcodes

- QR Code or DataMatrix or other standardized 2D barcode

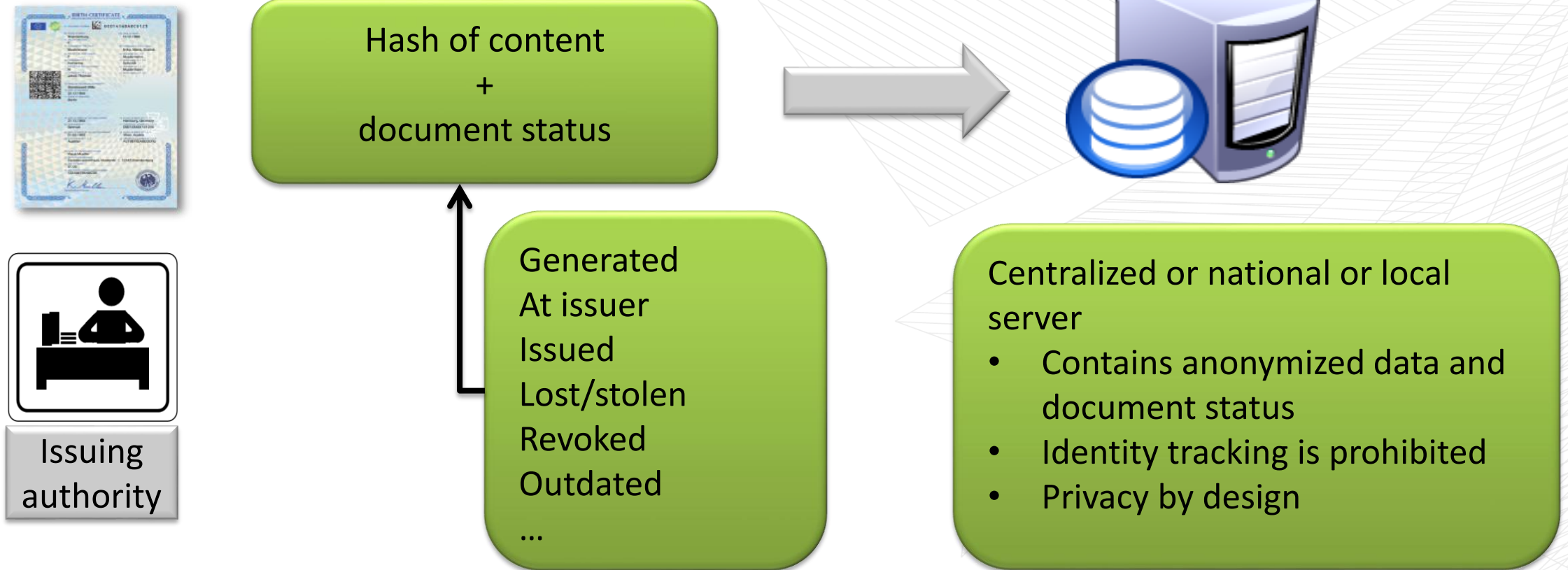
## The barcodes contain

- The unique number printed at the time of pre-personalization
- The unique number (again), mandatory data records, and (optionally) biometric template data



# Scalable verification and validation

Here: server content creation







# **CEN Technical Specification Personal identification - Secure and interoperable European Breeder Documents**

# Document scope

- Guidance to generate, manage, and use secure and interoperable breeder documents in Europe
- A framework in which citizens retain the control of breeder document data and use them to support identity proofing and verification
- Provides methodologies to assess and increase the level of trust in breeder documents
- Specifies methods for defining physical and logical/digital representations of a secure breeder document, securing breeder document processes, and linking the document to its legitimate holder
- Considered document types: birth certificates, marriage certificates, death certificates
- Considered management processes: registration, issuance, renewal, inspection/verification, and revocation
- Specific considerations: first-time application, later-in-life registration of an identity, and content update



**We are on the right track to  
secure and interoperable European Breeder  
Documents, but have not arrived yet.**

**A lot of things have to be done.  
Supporters and contributors are welcome.**



# Thank you for your attention.

**Dr. Andreas M. Wolf**  
**Bundesdruckerei GmbH**  
**Technology | Principal Scientist Biometrics**  
**E-Mail: [Andreas.Wolf@BDR.DE](mailto:Andreas.Wolf@BDR.DE)**  
**Telefon: +491723656222**

The background is a solid magenta color. Overlaid on this are several large, overlapping triangles. Each triangle is filled with a pattern of thin, parallel, light-colored diagonal lines. The triangles are oriented in various directions, creating a dynamic, layered geometric effect.

# NORWAY



**KNUT IVARSON ØVREGÅRD**

**Norwegian ID Centre**

# TOWARDS A HOLISTIC ID MANAGEMENT

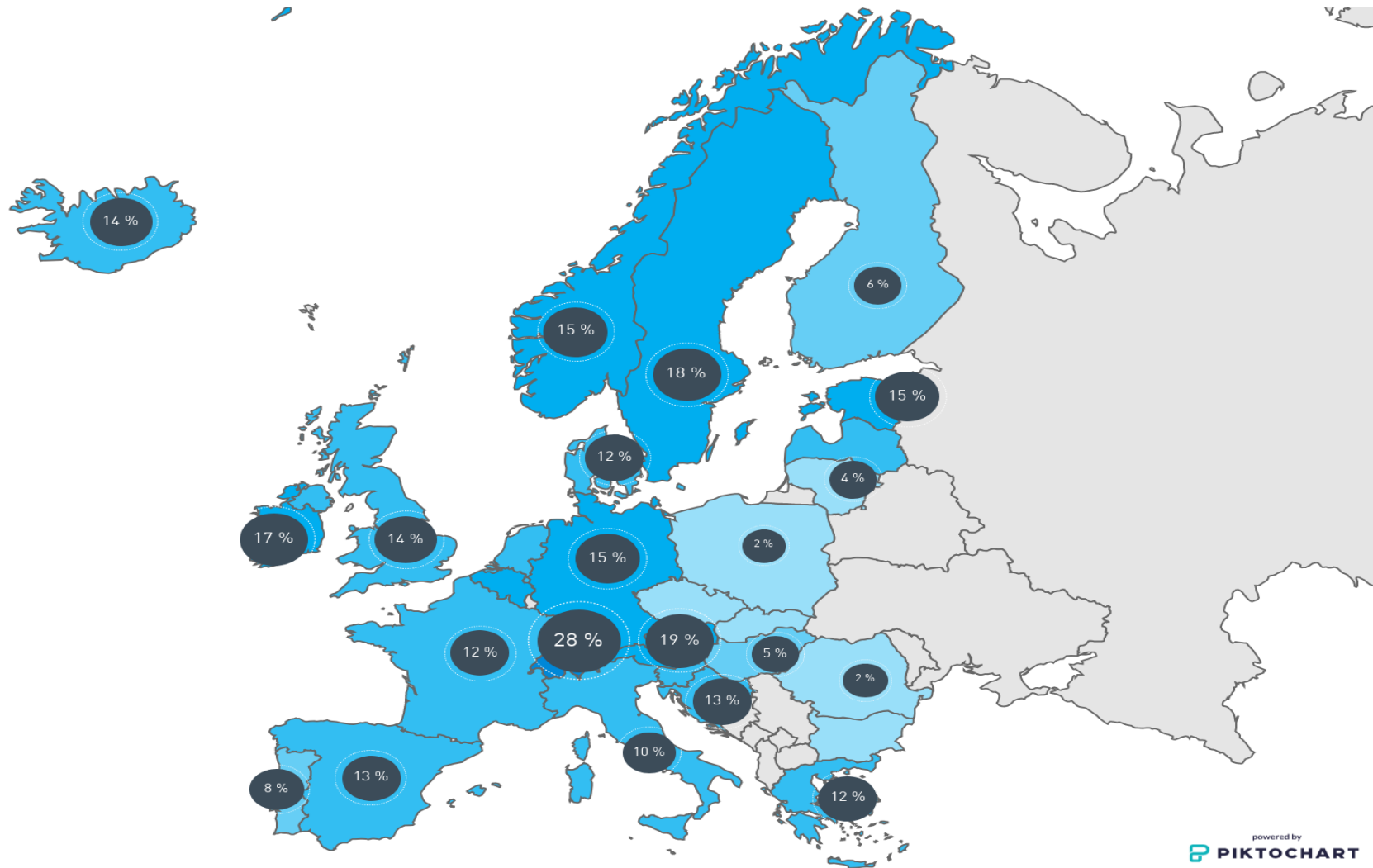
**Knut Ivarson Øvregård**  
Norwegian ID Centre





Foto:Thinkstock

# Registered identities born in a foreign country



# A chain is only as strong as its weakest link!



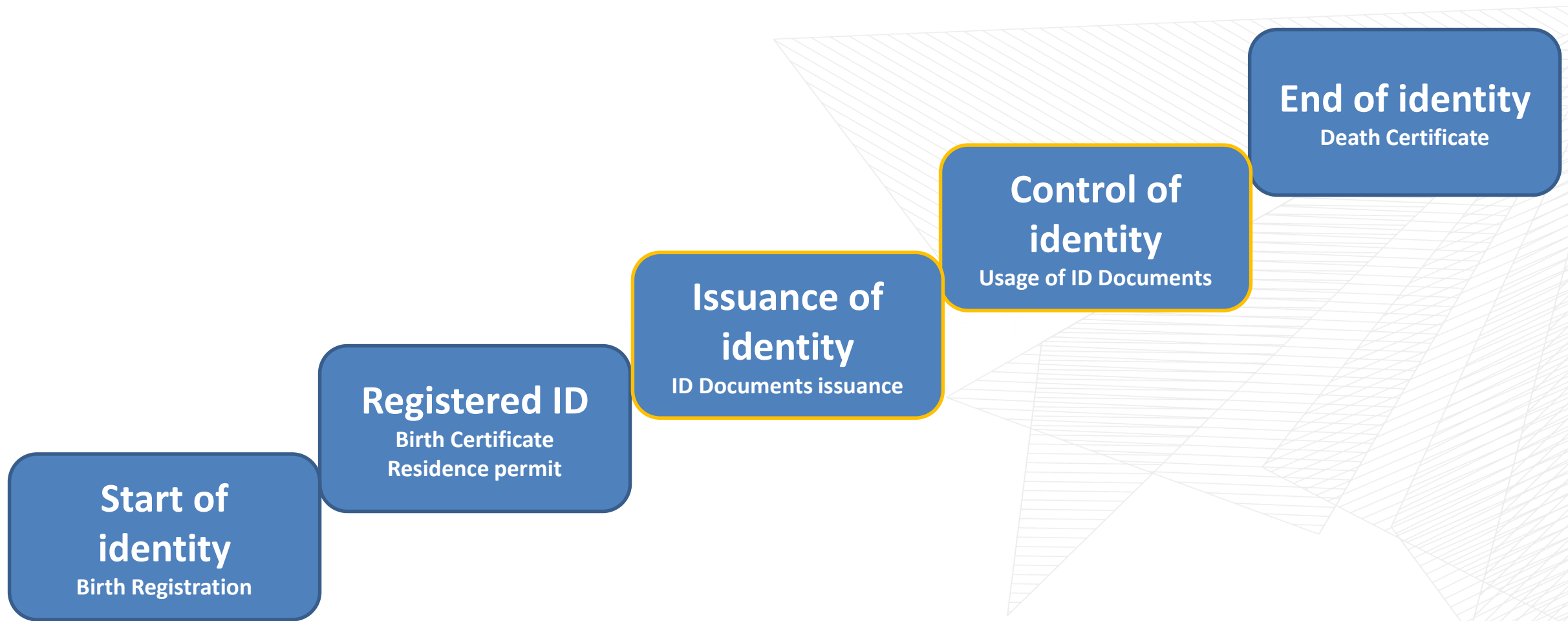


# Changes in fraudulent methods



- Increasing abuse of EU / EEA documents
- Imposters are increasing
- Increasing abuse of wrongly issued genuine documents

# The identity chain





# Consequences of a weak identity chain





NORGE NOREG  
NORWAY

PASS  
PASSPORT





# How to strengthen the identity chain

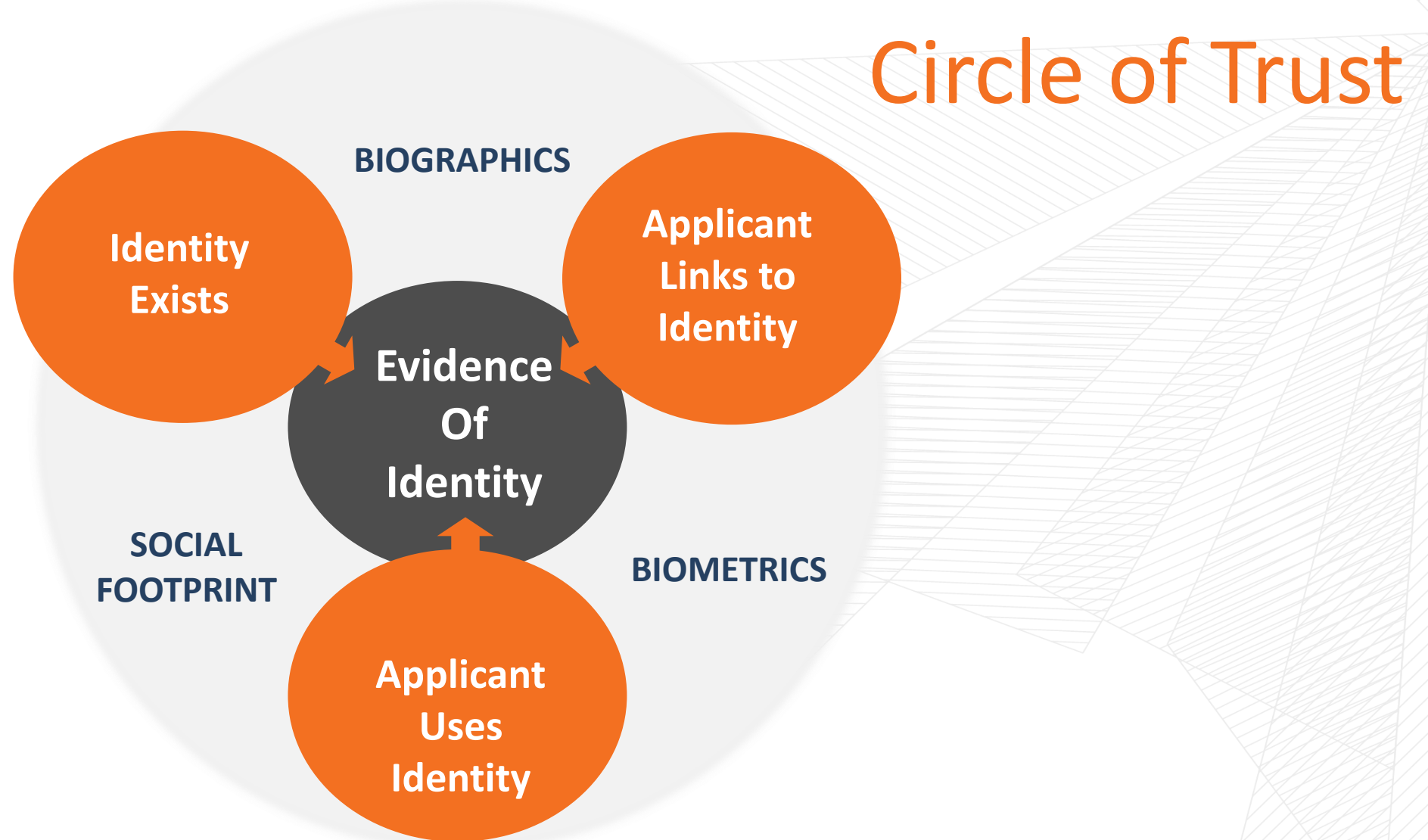


## ICAO TRIP Guide on **EVIDENCE OF IDENTITY**



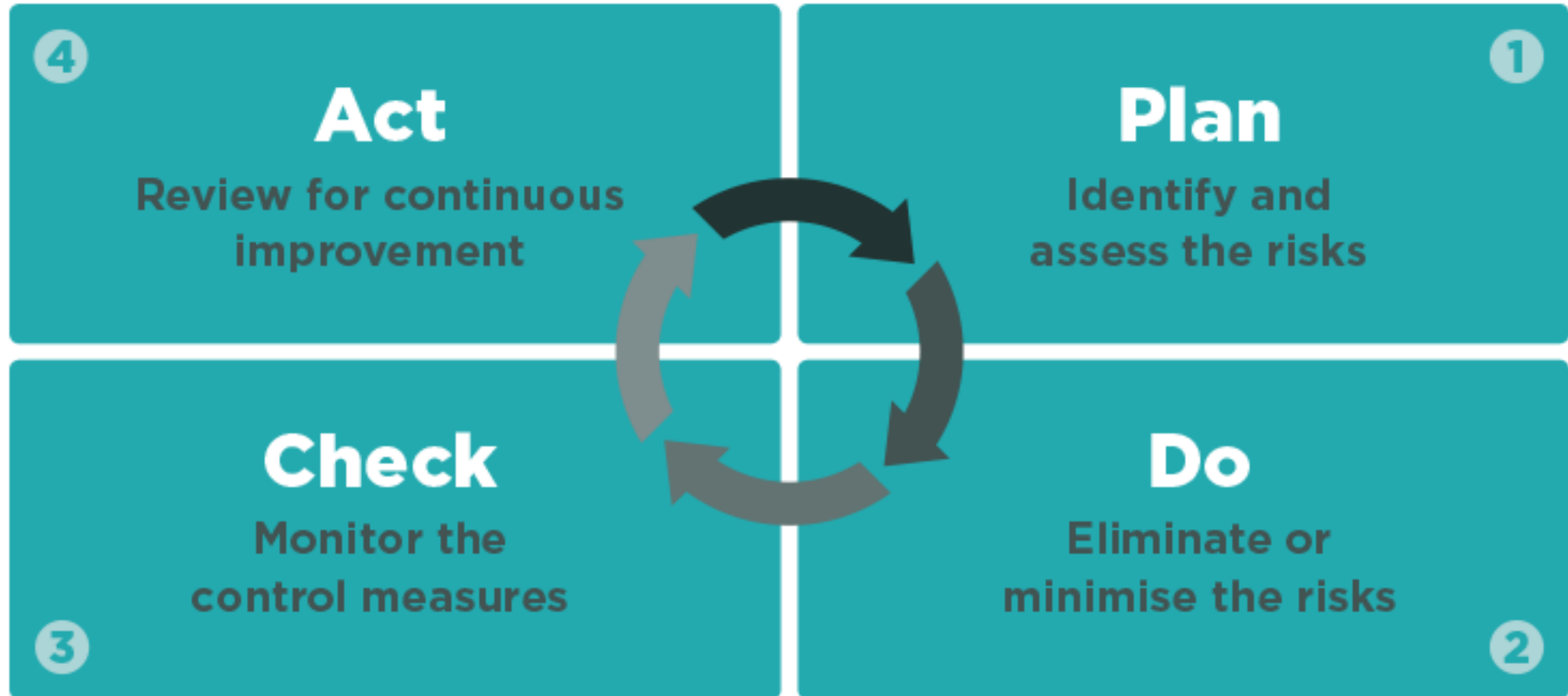
ICAO Security and Facilitation

# Evidence of Identity





# What about risks?



# Summary and conclusions

- Fraudsters will always attack the weakest link
- We must always consider identity-related risks before determining the level of control
- A reference standard is required to rely on other players' identity checks

# Everything is about trust



# *Thank you for your attention!*

Knut.ovregard@nidsenter.no



# AFRICA

The image features a solid orange background. On the right side, there is a large, abstract graphic composed of several overlapping triangles. These triangles are filled with a pattern of fine, parallel diagonal lines in a slightly lighter shade of orange, creating a textured, layered effect. The word "AFRICA" is centered horizontally in the middle of the image, rendered in a bold, white, sans-serif typeface.

# Joseph Atick

## ID4Africa & Identity Counsel





# Making Everyone Count

## The Multidimensional Challenge of the Last Billion



**Dr. Joseph J. Atick**

**Executive Chairman, ID4Africa**



18 October 2018, The Biometric Institute Congress, London



**Today**

**A lingering challenge of the  
ID 4 Development Agenda :**

***The Challenge of the Last Billion***

**WB: 1.0 B people have no way to prove who they are. They have difficulty accessing:**





# Appreciating the Challenge



**1 Billion**

Data From:  
Index, UNICEF, UNSD, World  
Bank, ID4Africa

**Rural**

**450 M**

**Sub-Saharan  
Africa**

**500 M**

**Low Income  
Countries (LIC)**

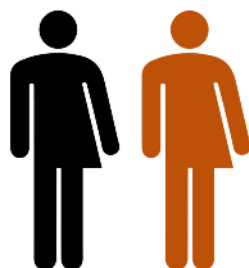
**300 M**

**Children**

**500 M**



**300 M in Africa**



**200 M in ECOWAS ZONE**



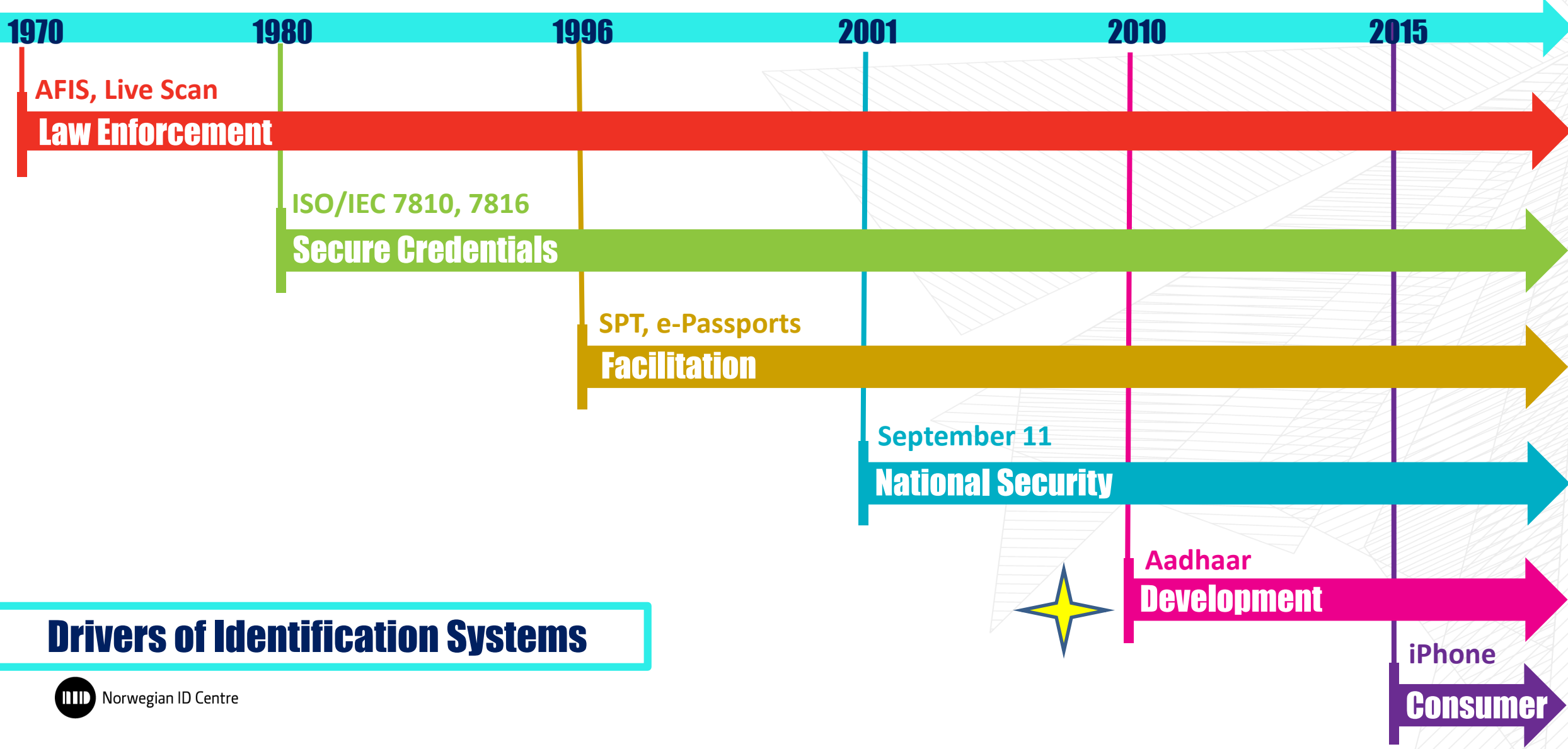
**Compare ROW: 1 in 18-20**



**125 M < 5yrs in Africa  
No Birth Certificate**



# ID4Dev: Historical Context



# ID4Dev: Road to Aadhaar



## PAN Card Project

### NOT A TRUE DEVELOPMENT PROGRAM

- Tax collection & not social inclusion.
- Attempts were made over a decade before Aadhaar.

**FAILED**

## Andrapradesh

### FIRST ID-BASED LARGE SCALE DEV. PROGRAM

- Iris enrolled > 60M social assistance beneficiaries.
- Demonstrated: strong ROI & feasibility. Functional ID limited to 1 program using proprietary not standards based platform.

**LIMITED SUCCESS**

## Aadhaar

### FIRST ID-BASED LARGE SCALE DEV. PLATFORM

- Multipurpose foundational identity, minimal identifiers, standards based.
- Featured an innovative procurement strategy that cut down licensing cost by a factor of 5!

**SUCCESS**



# Aadhaar: Evolution of Opposition



**In 2009**

**Will  
FAIL**

**“No way to distinguish 1 billion people uniquely apart”**

**impossible**



**Proof Positive**

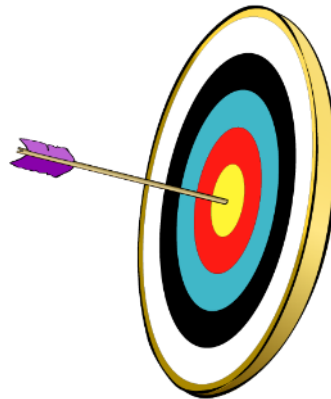
- Scientific mobilization: 10 fingers + 2 iris enough to produce a unique signature to differentiate 1 in Billion.
- Today performance data: biometrics work in real world & in scale.



**By 2014**

**USELESS**

**Today: There is enough data to prove the contrary**



*See next slide*

**By 2018**

**DANGEROUS**

**Remains a legitimate concern**



- SCI ruling: Wake-up call.
- Need safeguards to ensure foundational ID systems **DO NO Harm** by design.
- Concerns about privacy & human rights violations must be addressed.



# Demonstrable Benefits of ID Systems



1



2



3



4



5



6



# Birth of a Movement & an Initiative



**Back in  
2014**

Feasibility & ROI established  
already: NOT A Challenge.



Extent of remaining challenges  
revealed in number of  
assessments in collaboration with  
World Bank.



**Led to birth of 2 ID-4-all  
sister initiatives**



**Born in 2014**



**WORLD BANK GROUP**



**Born in 2015**

Promoting responsible adoption of robust identification systems 4  
development & humanitarian action.



# ID4Africa: Broad Participation



## BOARD

Robert Palacios



Group  
Thematic  
Leader

**Founding**



Niall McCann



Lead  
Electoral  
Advisor

**Founding**



Cornelius Williams



Associate  
Director &  
Global Chief  
Child  
Protection



Alan Gelb



Senior  
Fellow

**Founding**



Samatar Omar Elmi



Senior  
ICT  
Officer



## Ambassadors

- 1/country
- Selected competitively from individuals nominated (many/country) by their institutions.
- Important link between the Movement & in-country identity stakeholders.



# ID4Africa: The Movement



## The Stakeholders



**INST.**



**INDIV.**

## Activities



### THE ANNUAL MEETING



Tanzania



2015



Rwanda



2016



Namibia



2017



Nigeria



2018



South Africa



2019



June 18-20



**THE  
AMBASSADORS  
PROGRAM**

**THE ANNUAL  
IDENTIFICATION  
SURVEY**

**PUBLICATIONS**  
• Almanac  
• Annual Report  
• Newsletters

**OUTREACH AND  
TARGETING**

**ID4AFRICA  
MOBILE  
APPLICATION**



# Developmental Outcomes



**ID4Africa activities in 2018/2019 are designed to promote this set of developmental outcomes**

**Responsible identity lifecycle  
right from the start**

**Inclusive society leveraging  
efficient ID-enabled service  
delivery**

**Trust in the end-to-end  
democratic process**

**Better care through secure  
identification of patients, health  
workers & data**

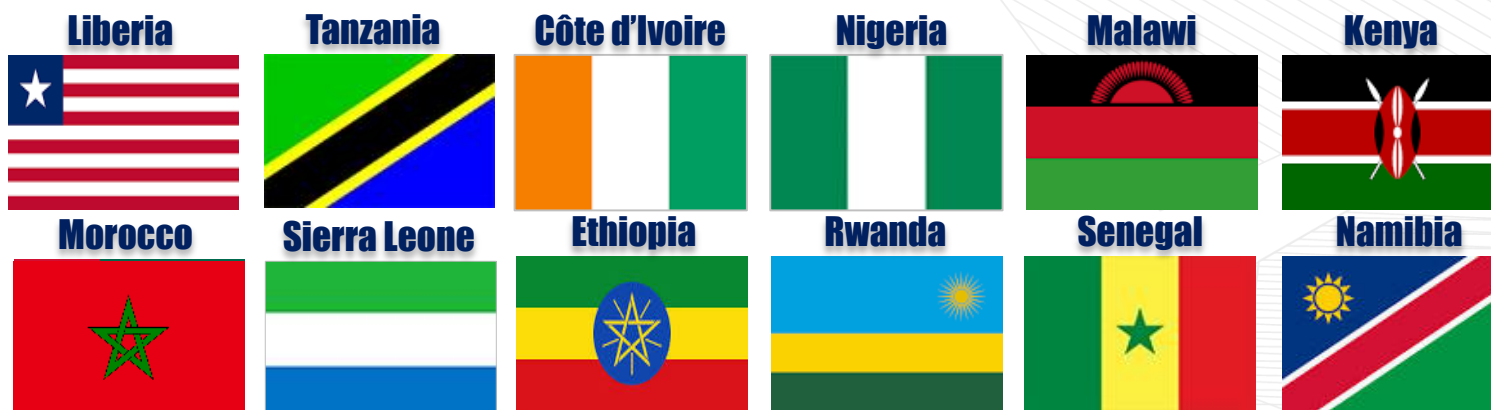
**Free & secure movement of  
people**

**Innovation to solve Africa's  
identification challenges**

# Assessing Where Africa is

- **With exception of South Africa**, still do not have harmonized identity ecosystems with total coverage of population linked to civil registration & that are used for service delivery.
- **Progress is being made**

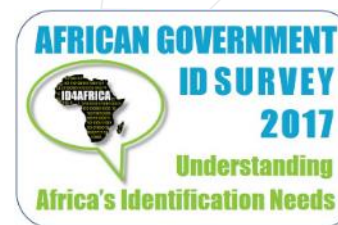
South Africa



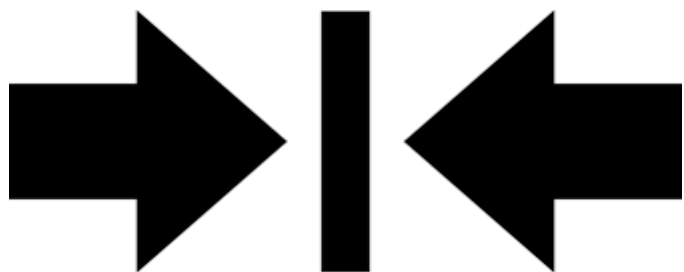
- **Significant challenges remain:** ID4Africa tracks the challenges annually through its engagement channels.



Data presented below from



# Iconography



**Constraints**



**Challenges**



**Opportunity 4 Action**



# Severe Constraints



## Rural, Sub-Saharan, LIC

- Difficult geographic accessibility.
- Low network connectivity.
- Weak governance & low numbers of administration points.

## Social Norms re: Women & Children

- Registration policies often disadvantage women (UN Study 2016).
- Children often not priority.



## Points of Contact Fragmentation

- Health & Education (good POC), often don't participate on NID management decisions.
- Population systems are not interconnected.

## Absence of Total Birth Registration

- Undermines registration efforts.
- Population remains invisible from the start.

**If you care about  
the poor,  
gender equality  
children**

**Africa**

**You would join the search for the  
missing Billion**



# The Multi-dimensional Challenge of Inclusion

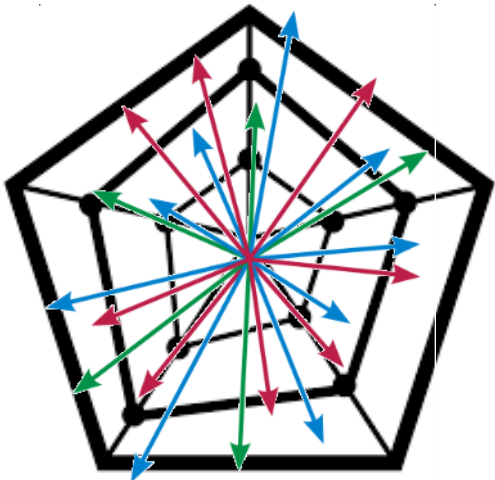


## Objective 2030 (Variant of SDG 16.9):



Robust\*, responsible legal identity for all 1 B that empowers them to exercise their rights, be included in development, and holds them accountable for their action in society.

\*Robust & responsible comes from linking CI with CR within a life cycle approach, safeguarding ID data & protecting privacy.



**Requires progress along multiple dimensions to see genuine results.**



**Will present a rank-ordered set of recommended actions to inform the development agenda subject to stated constraints.**

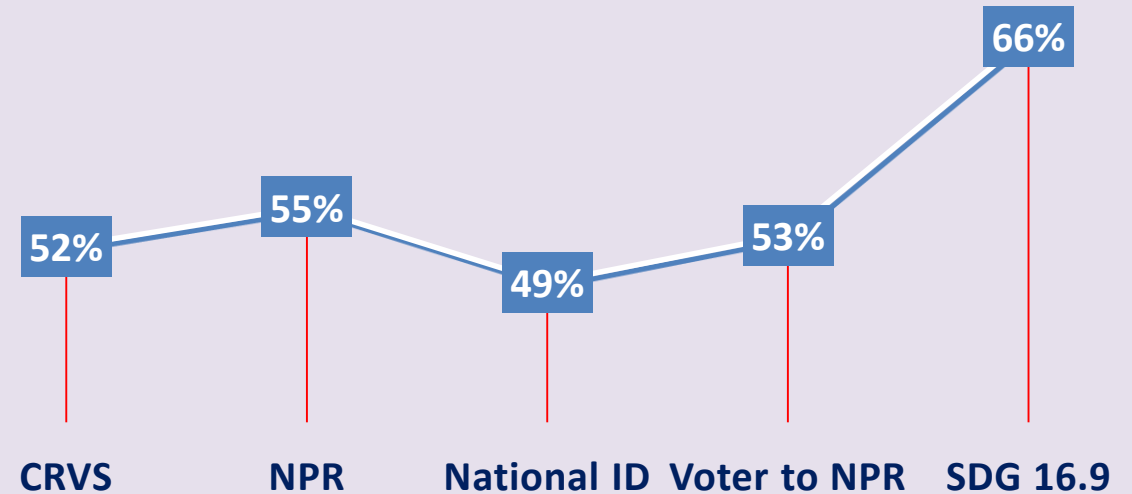
# 1. Turn Political Won't to Will



## Political Will & Awareness

- Strong commitment for ID systems & legal identity is lacking.
- Big disconnect between political and technical wills.
- Political establishment : *“prefers knee-jerk projects or short duration campaigns with media coverage instead of systematically planned institutionalized and sustainable projects.”*

## PERCENTAGE THAT SAY NOT A HIGH PRIORITY FOR POLITICAL LEADERSHIP



**Direct engagement with political leadership  
including opposition is needed**

**Campaigns to mobilize public opinion &  
sensitize politicians**

# Example: Political Will Building Campaign



Let the world forgets, join  
the coalition calling for the  
recognition of September  
16 as International  
Identity Day

<http://www.id-day.org>

BECAUSE IT MATTERS  
SDG 16.9 made Legal Identity  
for All a development goal



Coalition partners as of 12 October 2018



ESTONIA



PERU



ETHIOPIA



GUINEA



COTE D'IVOIRE



MADAGASCAR



CAMEROON



CENTR. AFRICAN REP.



MAURITANIA



CHAD



SOUTH SUDAN



MAURITANIA



NIGER



CHAD



MALI



GHANA



SOUTH SUDAN



DJIBOUTI



MAURITANIA



LIBERIA



SENEGAL



ESWATINI (SWAZILAND)



MALAWI



SOUTH AFRICA



NIGERIA



ESTONIA



KENYA



NIGERIA





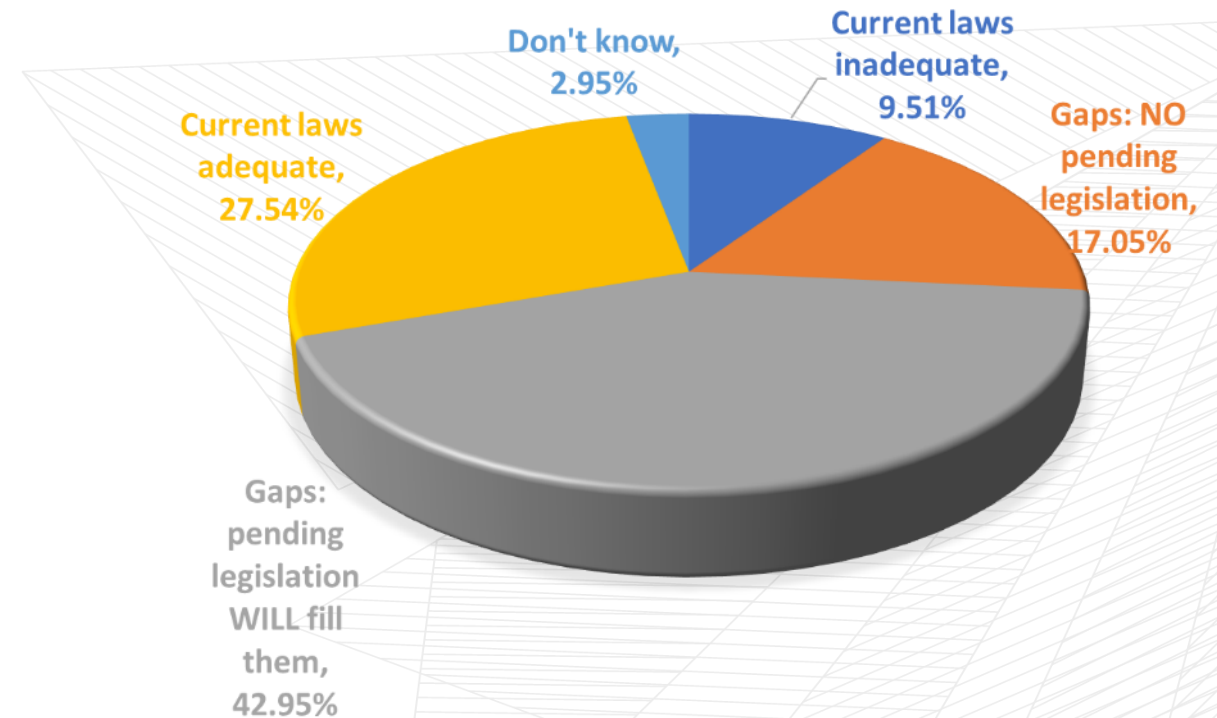
## 2. Front Load Legal & Regulatory Work



- **Only 1 in 4 African Officials think** current laws are adequate to cover identity mandates including privacy.
- **Outdated or incomplete laws**
- **Many attribute current situation to:**
  - Legislators Lack of familiarity with identity matters.
  - Lack of systematic guidance on needed legal frameworks



**Insist on commitment to develop legal & policy frameworks early on as part & parcel of financing project implementation.**



**Legal framework must be first priority after political will.**

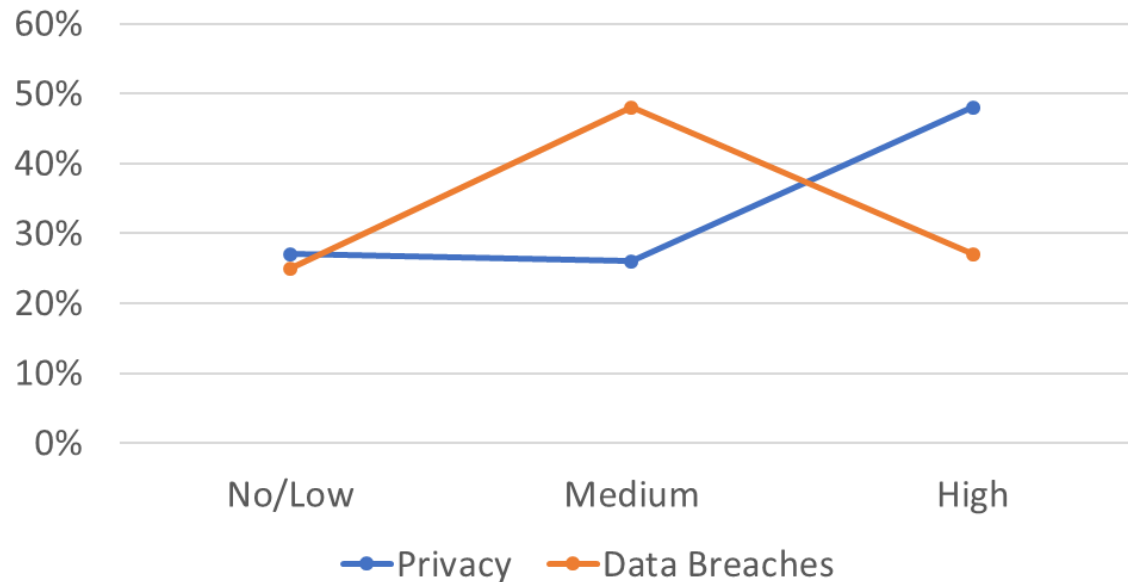
The Aadhaar experience in this regard is NOT good one to follow.



# Privacy & Data Protection Must Be @ Core



DATA CONCERNS OF IDENTITY COMMUNITY



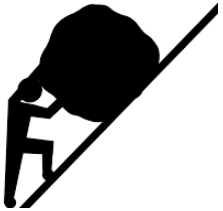
**> 80% have high or medium concerns about Privacy & Data Security**

**Privacy and Data Protection was the number one topic that respondents to the Annual Survey said should dominate the development agenda for the next 24 months.**



**Good news: DPOs from half dozen African countries are now collaborating with ID4Africa to sensitize the identity stakeholders about data protection matters.**

# Data Protection is More Than Legal Frameworks



- **Privacy by design**
- **Data minimization & anonymization of transactions**
- **Tokenization & sector specific Unique ID numbers**



**Need good knowledge transfer across legal, technical & institutional domains**

## **Types of Data:**

1. **Enrollment Data**
2. **Data Exhausts:** byproduct of identity-facilitated use
3. **Linkage facilitated by the UIN**
4. **Online & offline persona linkage.**



# 3. Clarify Institutional Arrangements



- **Lack of National level steering body**
  - Survey **1 in 2 African countries** do not have it & not planned.
- **Institutional mandates need revision**
  - Turf, competing priorities & mandates.
  - Security often at odds with development agenda.
  - Calls to establish independent commissions as custodians of national identity assets including civil registration have not been uniformly successful.
- **Politicization** Absent a national strategy with buy-in from all stakeholders, ID Systems get invariably politicized. **Recent example Ghana.**



Independent  
**COMMISSION**



**Strategy document for ecosystem development should be first deliverable of a National Identity Steering committee representing all stakeholders.**



# 4. Help Nations Invest in Capacity

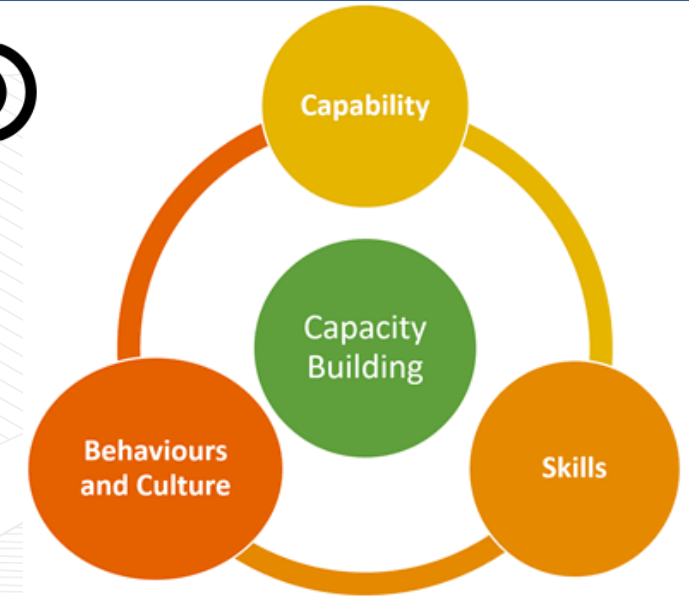


## Capacity

- Continues to be one of the most important structural gaps.
- Qualified individuals lured into private sector or by development agencies through better compensation.
- Not just HR, includes information management & data processing capacity

## Africa is asking for help (Rated No. 1)

- 1 Capacity Building
- 2 Knowledge Exchange
- 3 Technical Manuals
- 4 Technical Assistance
- 5 Financial Assistance



More emphasis on training & ownership as part of procurement.

- South-South exchange.
- Attendance at conferences that build **community & culture** (e.g. ID4Africa AM).
- Scholarships for study abroad conditioned on return to country.
- Investments in information management.

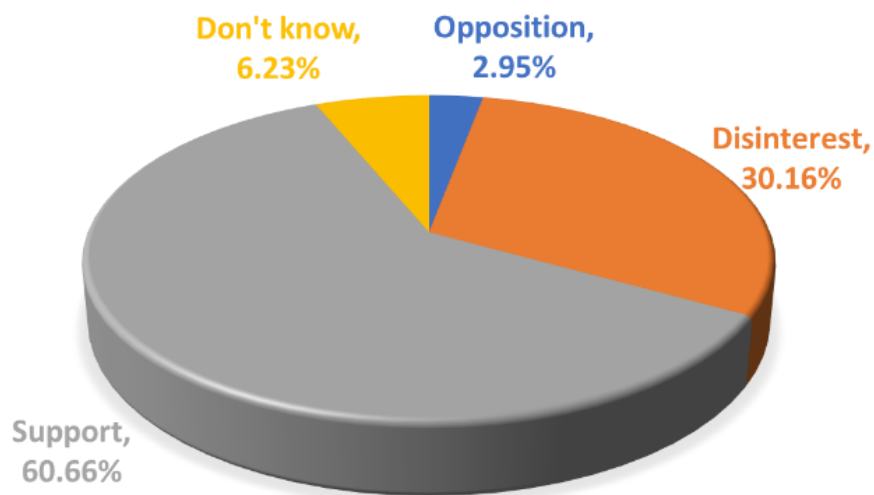


# 5. Make Inclusion Less Difficult



**Significant portion of population does not to care or does not want to be included.**

ATTITUDE OF POPULATION RELATIVE TO ID SYSTEMS



**Reason appears to be Accessibility Challenges relative to perceived value**

Top 5 reasons inclusion in ID systems in Africa remains low (2018 Survey):

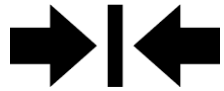
1. Complex enrollment procedures
2. Lack of awareness by the general public
3. Not enough registration points
4. Inadequate funding
5. Lack of use cases for ID



- **Simplify enrollment process & reduce breeder doc requirements**
- **Collect only minimal mandatory data (4 uniqueness)**
- **Use proximity centers for improved access**
- **Inclusion should not cost the public**

**(Easy)**  
**(Fast)**  
**(Accessible)**  
**(Free)**

## 6. Make Inclusion More Rewarding



- **Identity that is Not used does not contribute to a country's development**
- **Greatest incentive is linking to useful services**
- **Africa lacks experience with ID enabled use cases**
  - ID cards often remain an end in themselves.



- **Encourage development of identity systems within ecosystem approach**
- **Prioritize leading use cases: Elections\*, social protection, financial inclusion**
- **Encourage development of open APIs for scalability of inclusion (like EU PSD2)**
- **Invest in public awareness campaigns about utility of ID & how to get it**

(\*In 2015 \$1.5 B spent on one-off voter registration exercises)

# 7. Make Virtual Identity Viable Option



## Building virtual identity platform



- Proving to be difficult in Africa
- Population demands physical credential
- ID systems continue to be dominated by offline considerations
- Lack of pervasive online connectivity infrastructure
- Immature cloud & lack of trust in it



**Virtual identity can lower the cost of inclusion**

**Requires omnipresent online authentication services**

**ID Systems continue to be heavily materialized leading to**



**Already implemented an ID program**

**Programs with an ID Document?**

**Intends to launch a new ID program in next 24 months?**

**Issue ID card**

**Issue mobile ID in addition**

**Establish online identity authentication services**

**Anglophone**

**Francophone**

**88%**

**82%**

**95%**

**88%**

**58%**

**66%**

**90%**

**82%**

**56%**

**63%**

**76%**

**59%**



# 8. Support Harmonization Through Standards



## Pathways to harmonization

1

### Reuse of Legacy Data

- Most exercises of linkage of existing databases have met with partial success or failure.
- Reasons
  1. Identity data is not standardized
  2. Non uniform Business practices.
  3. **Data quality problems.**



2

### Fresh Start

- Cheaper to reenroll than to leverage existing assets?
- *Harmonization: the coordinated capture of new identifying data by diverse groups of stakeholders following same standards & the deployment of this data (federated, centralized, mix, etc) through online authentication services for all to use.*





# 9. Support Initiatives to Lower Design Risk

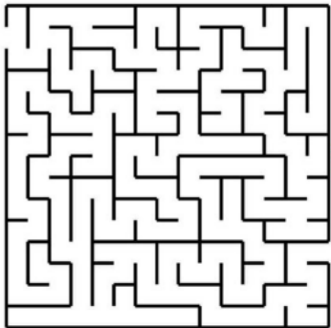


**High risk process that strikes fear in the hearts of government architects**

## Today ID System Development

Complex branching process that includes choices of path & direction, may have multiple entry & exits and dead ends.

Maze (Wiki Dictionary)



**Initiative: From the Maze to the Labyrinth**



## Where it needs to be

Process with no dead ends, which while it may have twists and turns you cannot get lost. You just trust that the path will lead you to where you need to be.

Labyrinth (Wiki Dictionary)



# 10. Nurture Healthy Industry Practices



- **Practices of few rogue vendors taint whole industry & raise customer concerns:**

1. Vendors lock-in
2. Cost overruns
3. Speed of implementation
4. Service by vendors

Rank ordered concerns of officials relative to industry practices from recent survey

TANZANIA

The National Newspaper

## DAILY NEWS

TANZANIA AUGUST 22, 2018

GOVT RECOVERS OVER 20BN/- IT'S THE MONEY FROM THREE OUT OF SEVEN FIRMS THAT CONTRACTED WITH NIDA



- **Fear of vendor lock-in** is leading to **MOSIP** (Modular Open Source Identity Platform) and **Open Standard APIs**
- **SIA industry code of Ethics (October 2017). More is needed**
  1. Signed by small fraction of the industry.
  2. Encourage in field industry leadership on what the Code means in terms of operational behavior.
  3. Explore adding monitoring, enforcement & sanction mechanisms.





# **VYJAYANTI DESAI**

**Identification for Development (ID4D)**  
**World Bank Group**



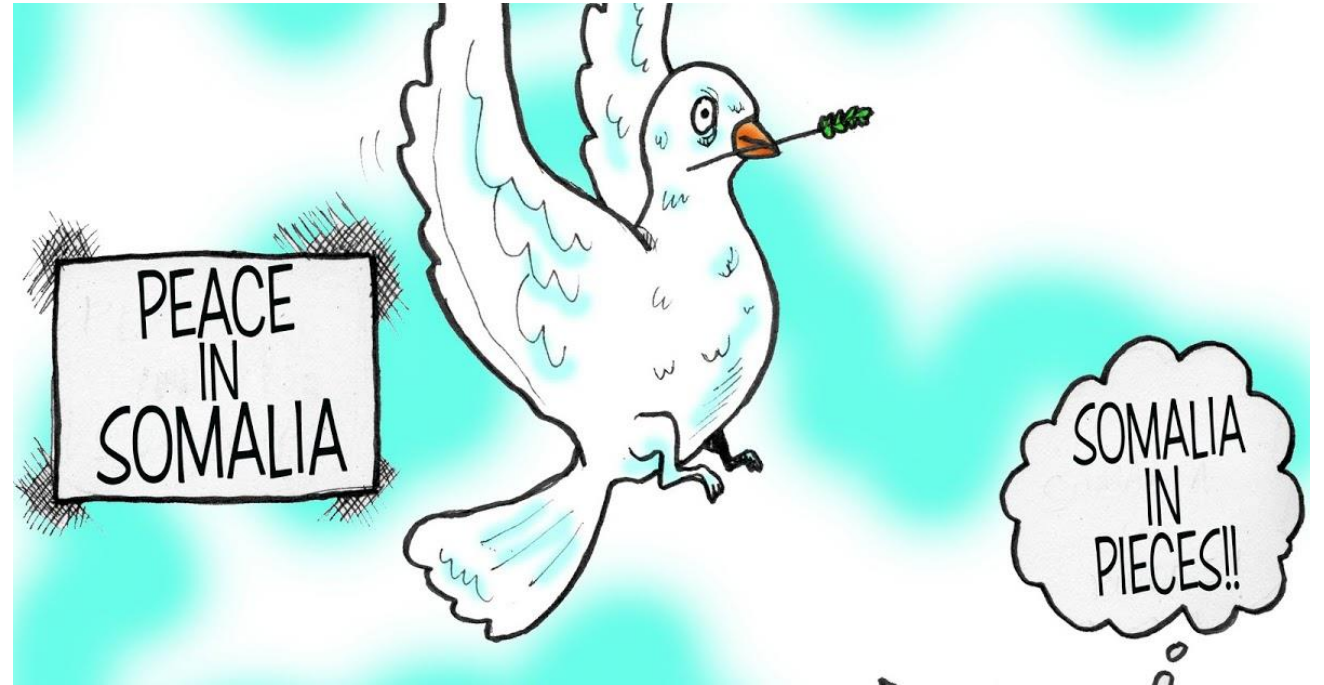
**VEBJØRN HEINES**

**Norwegian Ministry of Foreign Affairs**



# Somalia

Supporting institutions in a fragile state



SOMALIA

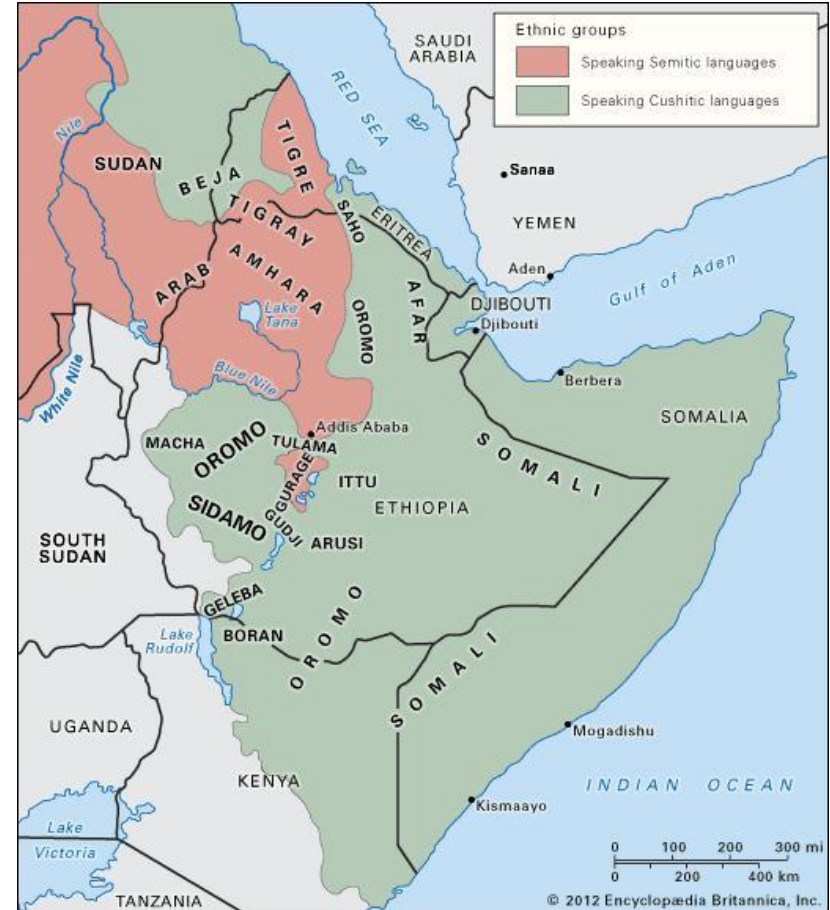
MAMA  
WHAT IS  
FAKE NEWS?

THIS IS  
NOT

H  
\$17  
CAI/NYTS



# Nations, borders, peoples and identity





# A small anecdote about three brothers...





# Key developments

- 2012 Provisional Constitution
- 2013 Compact – New Deal
- 2016/17 Elections
- May 2017, London Conference
- 2018 Transition Plan



# Norway's engagement

- Large diaspora
- Humanitarian support
- Support for Peace Processes
- Special Financing Facility (SFF)
- Bilateral Stabilisation Program
- Economic Reforms
- Constitutional Review
- Natural Resources
- **Immigration** – building relations, trust, institutions and reaching agreements





# Challenges

- Security
- Lack of trust
- Lack of capacity to lead/coordinate
- Overlapping initiatives/projects
  - Large scale humanitarian projects
  - Elections – voter registration
  - Bank ID
  - National ID



# **ANETTE BAYER FORSINGDAL**

**Department of Civil Registration  
Ministry of Home Affairs and Immigration  
Windhoek, Namibia**





## **NAMIBIA: REFORMING CIVIL REGISTRATION THROUGH DIGITALISATION AND INTER- MINISTERIAL PARTNERSHIPS**



# Namibia on the world map



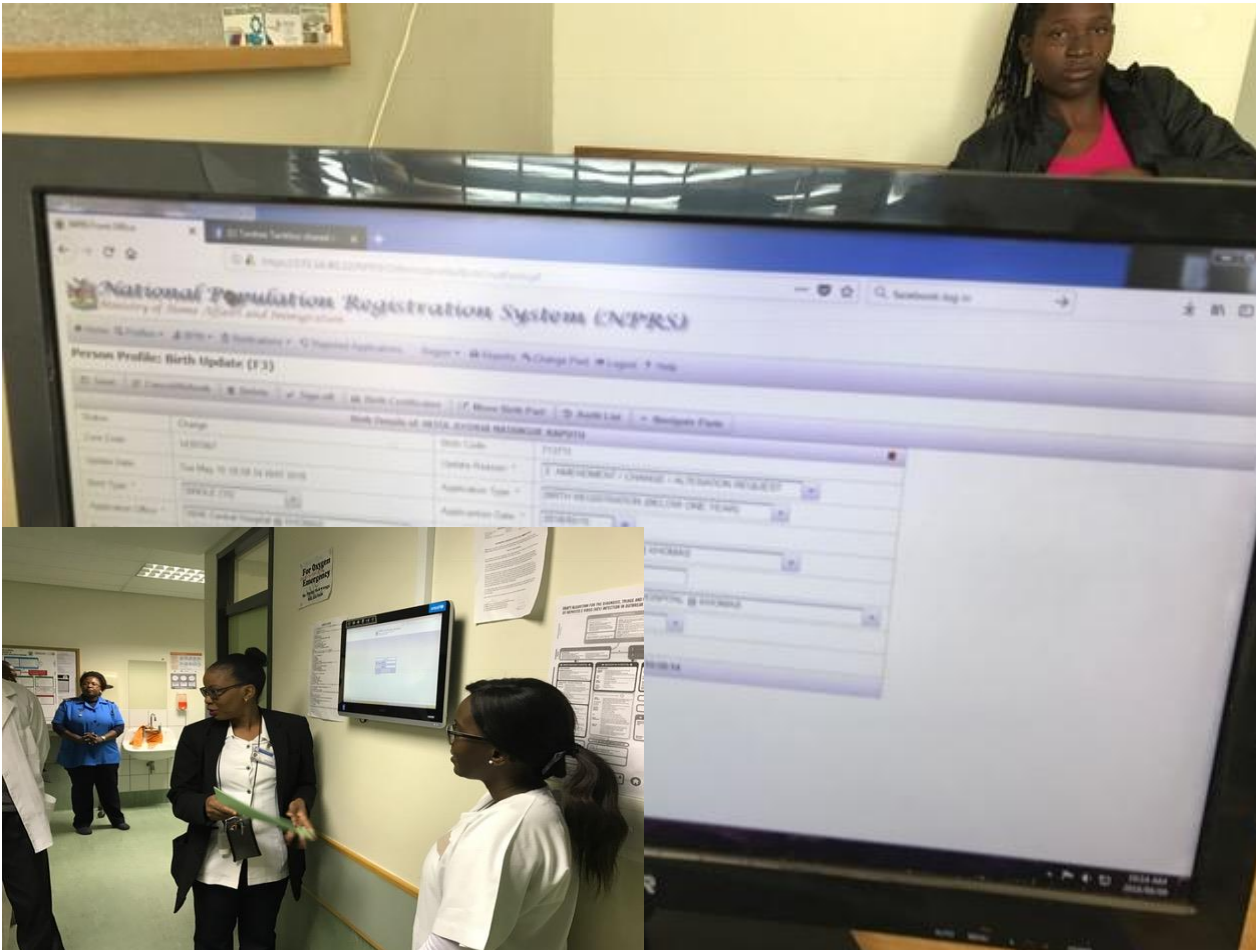
Population (2016): 2 324 388 ( urban: 1 112 868, rural 1 209 643)



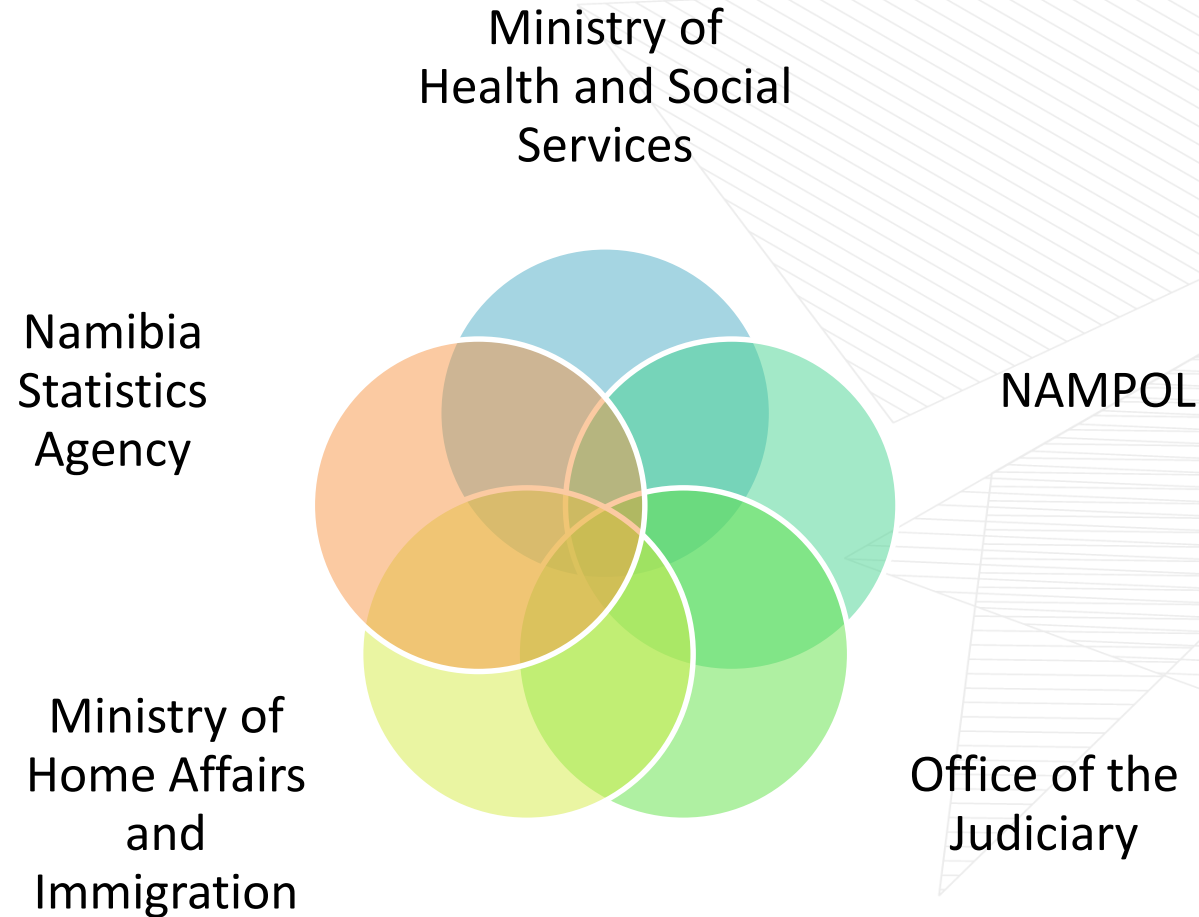


# Aim of presentation

- To share the Civil Registration reform initiatives in Namibia
- Persisting challenges in order to achieve a universal, timely and accurate Civil Registration



# Key Stakeholders in the Civil Registration and Vital Statistics System





# Civil Registration Reform Initiatives

Vision: Universal, Trustworthy and Accurate National Population

**Interministerial  
CR strategy and  
corporation**

MOUs  
Assessments

**Organisational  
Structural  
review**

(Access to  
services)  
(How and  
where?)

**Review  
administrative  
processes  
(barriers)**

Case  
Management  
Systems

**Legal Reform /**

building of  
capacity/  
knowledge

**Digital Reform**

Setting up new  
systems/  
automating  
historical records

**Human capacity  
and  
development**

Change  
management

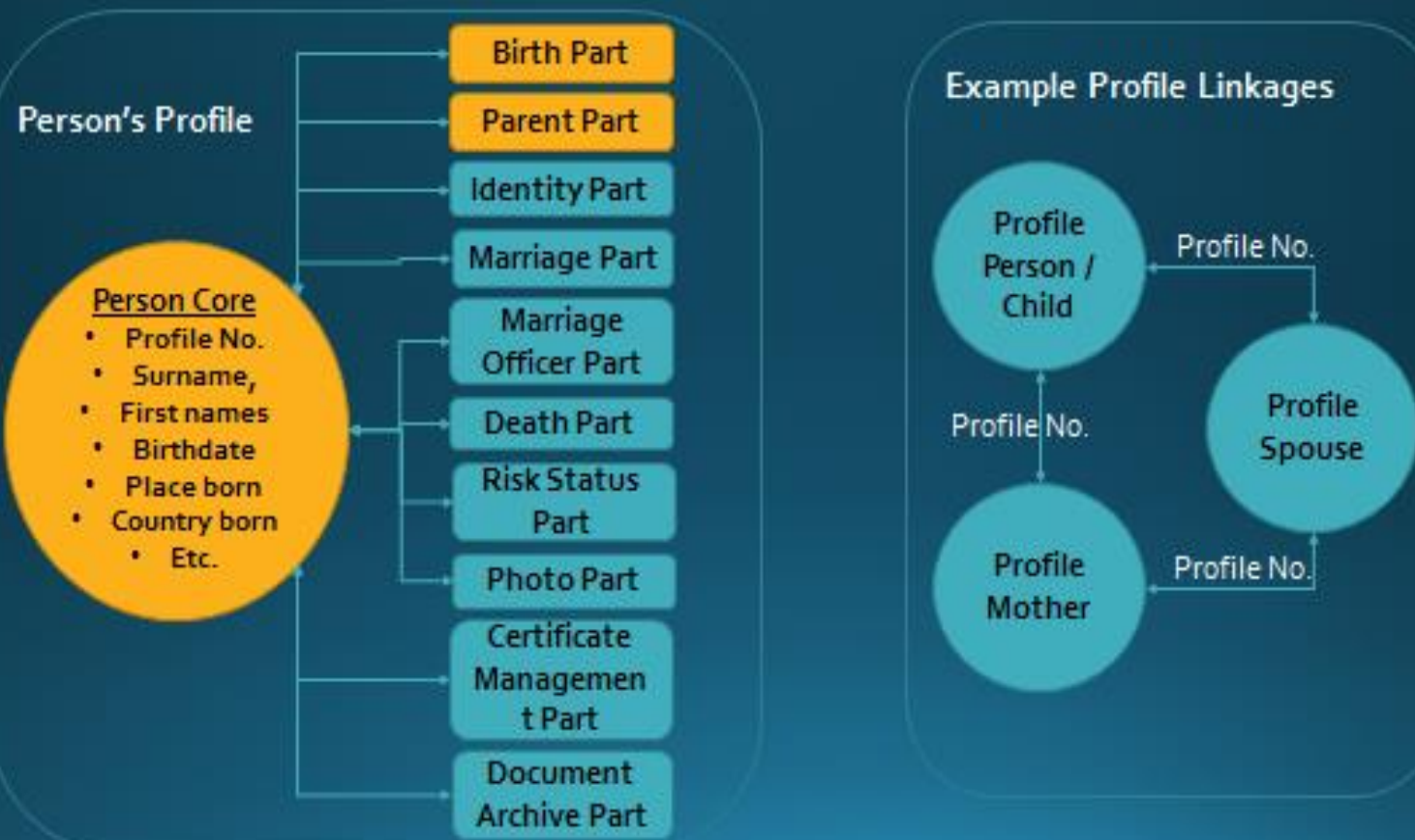
**CR**  
a cornerstone in  
**Social  
Protection**

**Production of  
accurate and  
timely  
demographic  
statistics**

# E-National Population Register

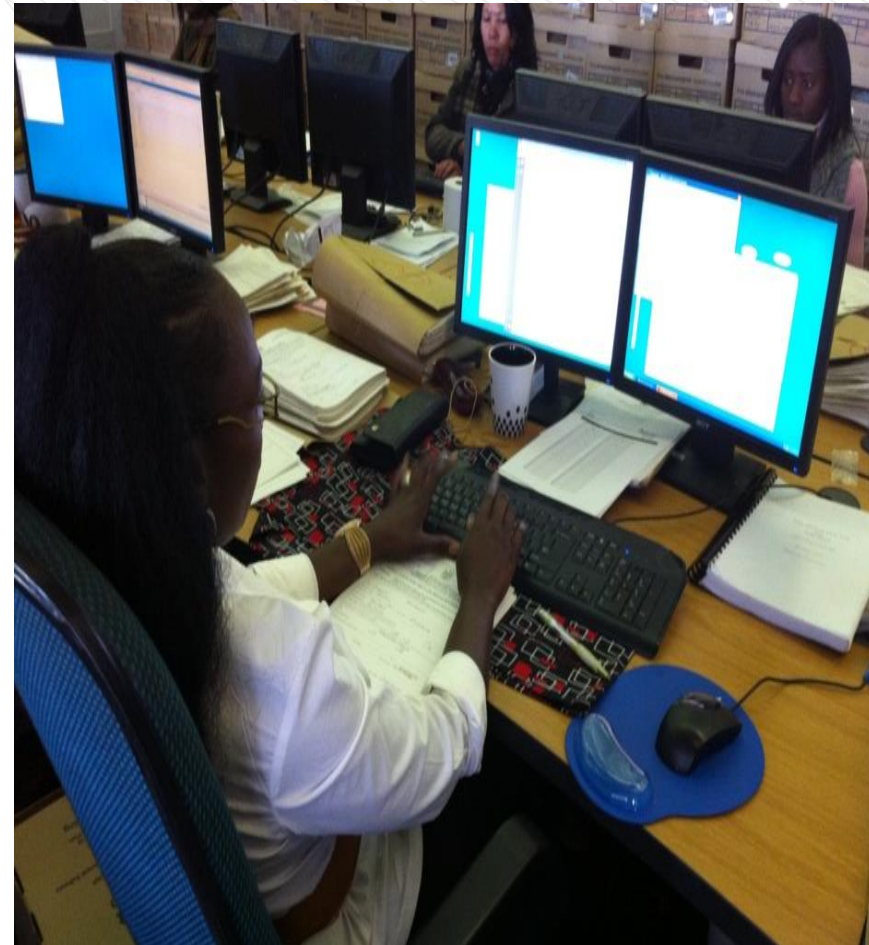
## eNPRS Person Population Profile Data Architecture Model

At the heart of the eNPRS lies the profiles of persons that are formed through the different civil registration and civil identification processes. Profiles represent the vital event life cycle which a person will go through during their life (i.e., From Birth to Death) which relates to civil and identity registration.

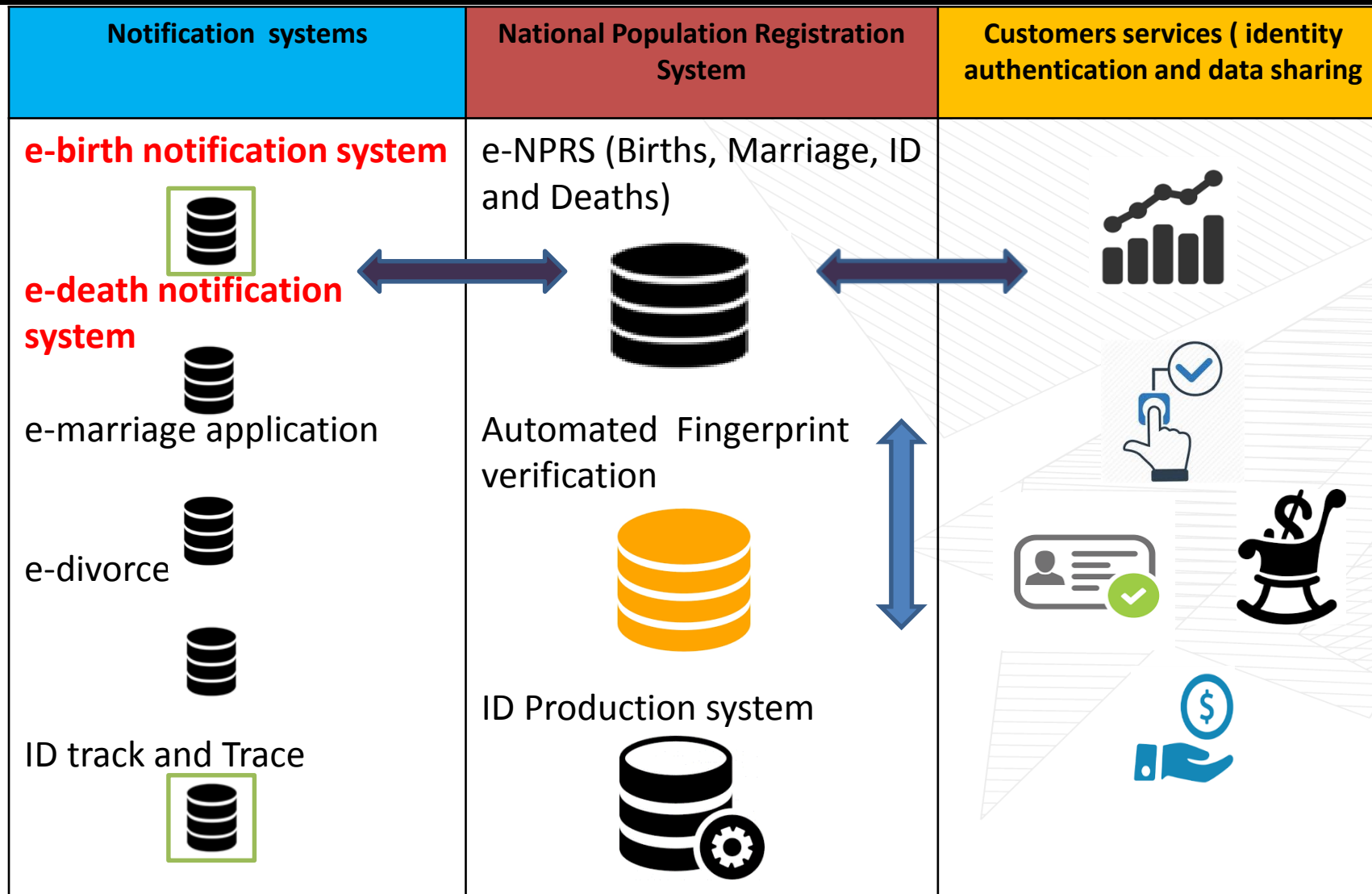




# 8 years of digitalising historical records (15 000 000 pieces of papers)

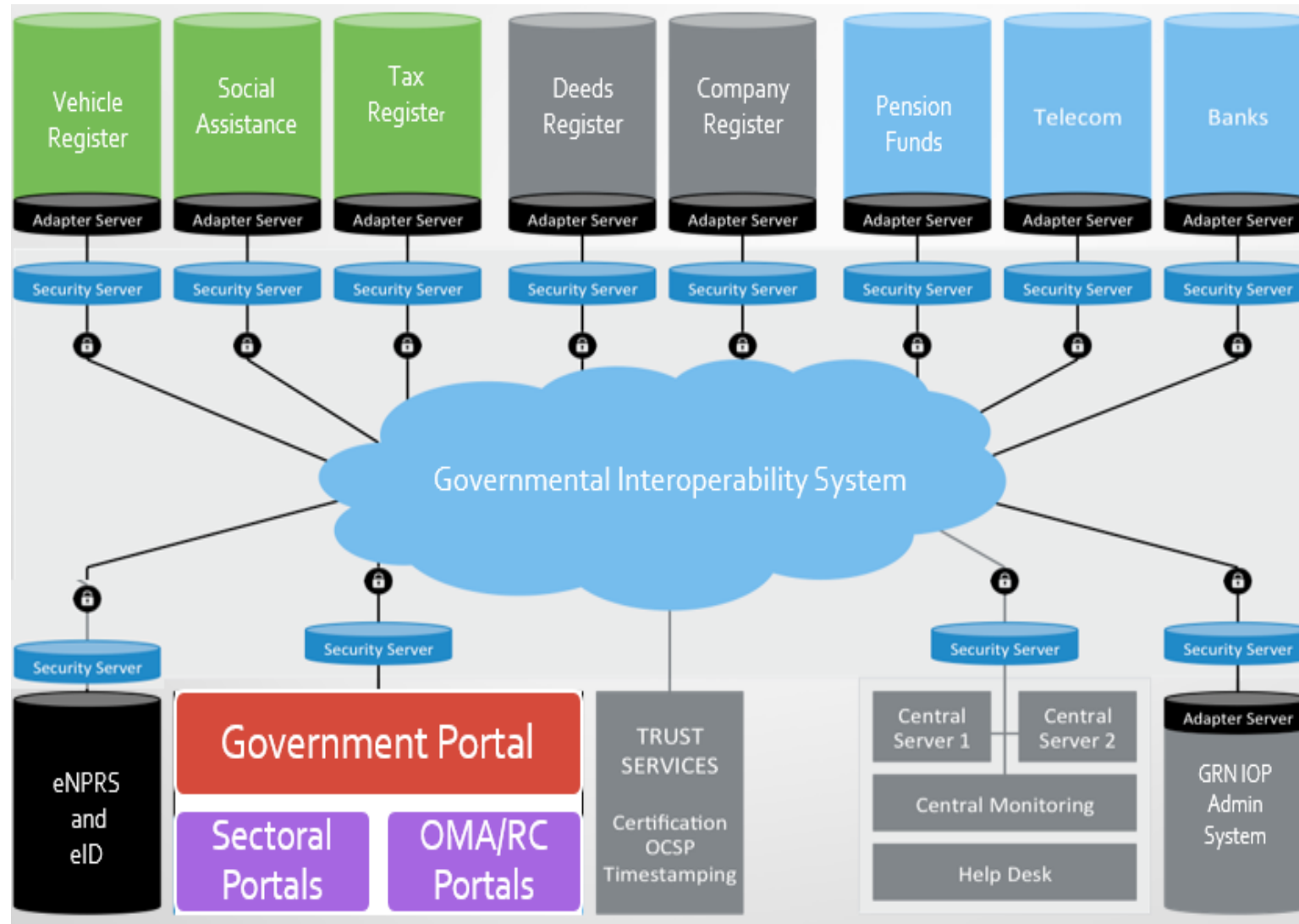


# Vision: Civil Registration (foundation register for data sharing and compilation of demographic statistics)

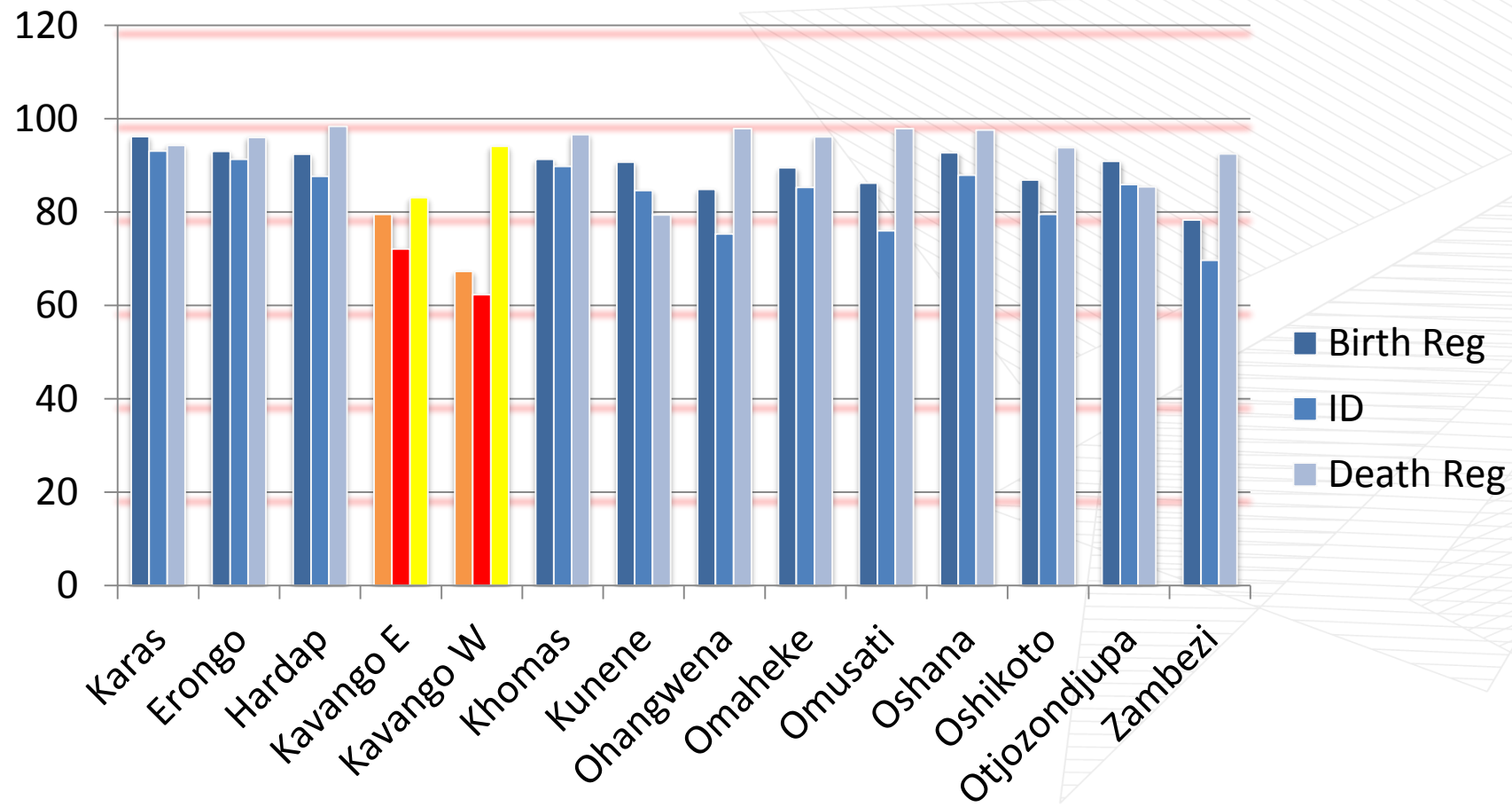




# Government of Namibia (GRN) Interoperability (IOP) System Model (OPM)



# Birth, ID and Death registration coverage



# Key Challenges

- Strengthening capacity and corporation across various institutions/departments/borders
- Low Legal capacity / project management capacity
- Case management easily overshadows the project initiatives,
- Late registration of birth





# Thank You

## BIRTH REGISTRATION HOW TO REGISTER THE BIRTH OF MY CHILD?

What documents are required for a free early registration service?

{ **FIRST ISSUED HEALTH CARD (YELLOW) OR ANY PROOF OF BIRTH FROM HOSPITAL** }  
Please note that the child must be registered on either the father's or the mother's surname



Republic of Namibia  
Ministry of Home Affairs  
and Immigration

Would you like to recognise one or both biological parents on the birth certificate?

### ONE BIOLOGICAL PARENT

- Notification of Birth form signed by the registering parent
- The registering parent's original documents or certified copies thereof (ID, Full Birth Certificate or Passport)

### BOTH BIOLOGICAL PARENTS (Are you married or unmarried?)

#### NON-NAMIBIAN PARENTS

Namibian Immigration Status (Permit, Citizenship or Visa, for each non- Namibian parent wishing to be declared, stated, on the child's Birth Certificate)

#### MARRIED

- Notification of Birth form signed by one parent
- One parent's original documents or certified copies (ID, Full Birth Certificate or Passport)
- Original or certified copy of parents' Marriage Certificate

#### UNMARRIED

- Notification of Birth form signed by both parents
- Both parents' original documents or certified copies (ID, Full Birth Certificate or Passport)

Are both parents present to register the child?

#### ONLY ONE PARENT PRESENT

- Affidavit (statement from both parents) indicating parental consent for registration





# **PANEL DISCUSSION**



**LARS PETTER HENIE**

**Norwegian Ministry of Foreign Affairs**

***Thank you for your attention!***