



**INFORMATION SYSTEMS
AND INNOVATION GROUP**

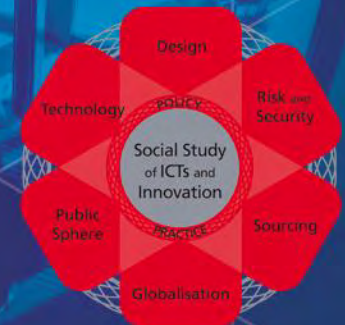
Department of Management

Digital identity privacy principles and the context of sustainable development

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GLOBAL CHALLENGES FOR IDENTITY POLICIES

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TECHNOLOGY, WORK AND GLOBALIZATION



Sustainable Development Goals (SDG)

SDG 16.9

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

Legal identity

- Legal civil status obtained through birth registration and civil identification that recognizes the individual as a subject of law and protection of the state.
 - IADB Civil registration and identification glossary

AN ESTIMATED 1.1 BILLION PEOPLE IN THE WORLD ARE UNABLE TO PROVE THEIR IDENTITY.

That is 1 in every 6 individuals. The majority live in Africa and Asia, and more than a third are under the age of 18.



The ID4D Program: Making Everyone Count

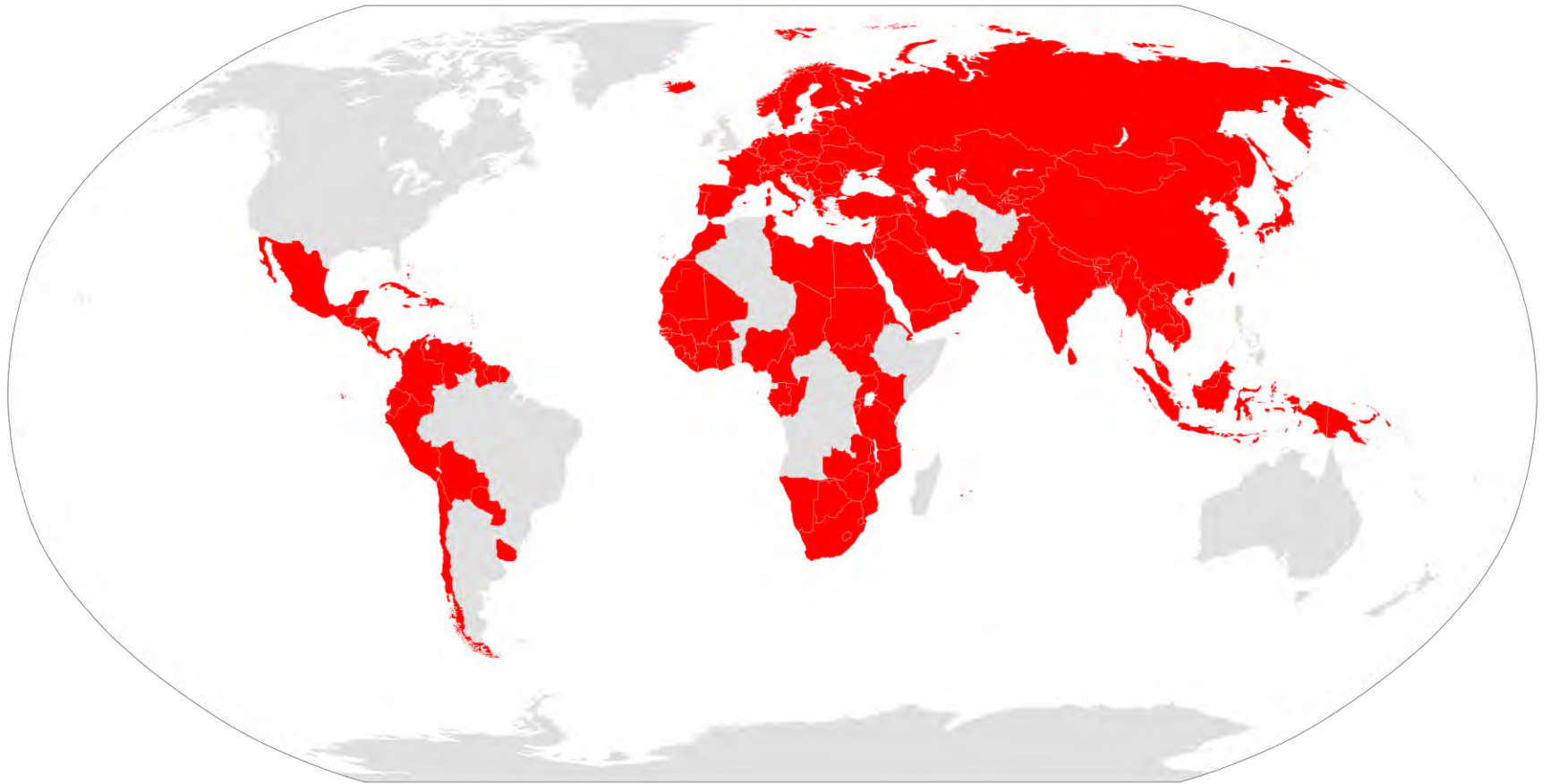
Legally operational identity (LOID)

- An identity credential that can be used for operational purposes such as to open a bank account, receive cash transfers, inherit property etc.
- Physical card or digital credential?

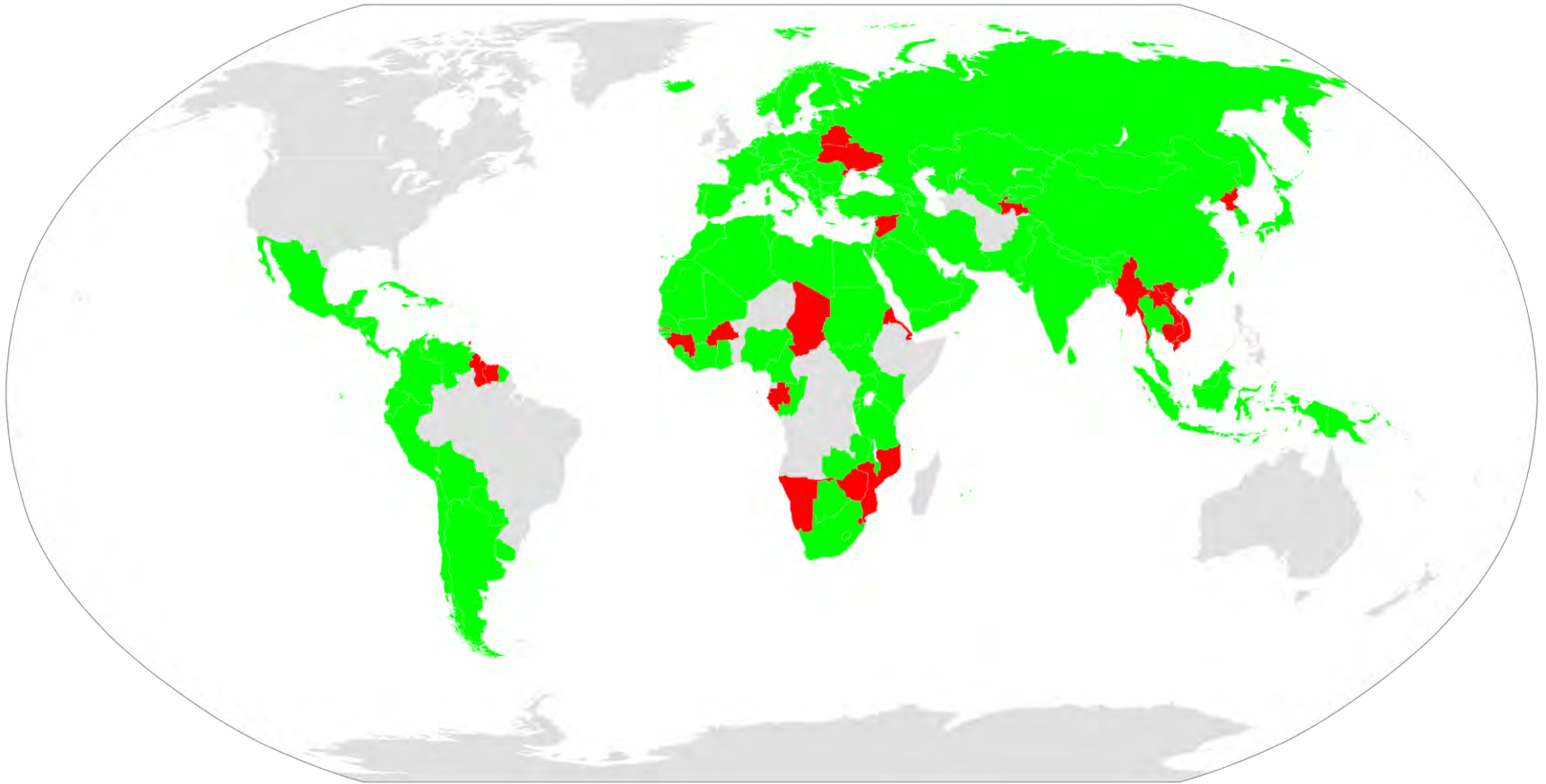
Current state of eID

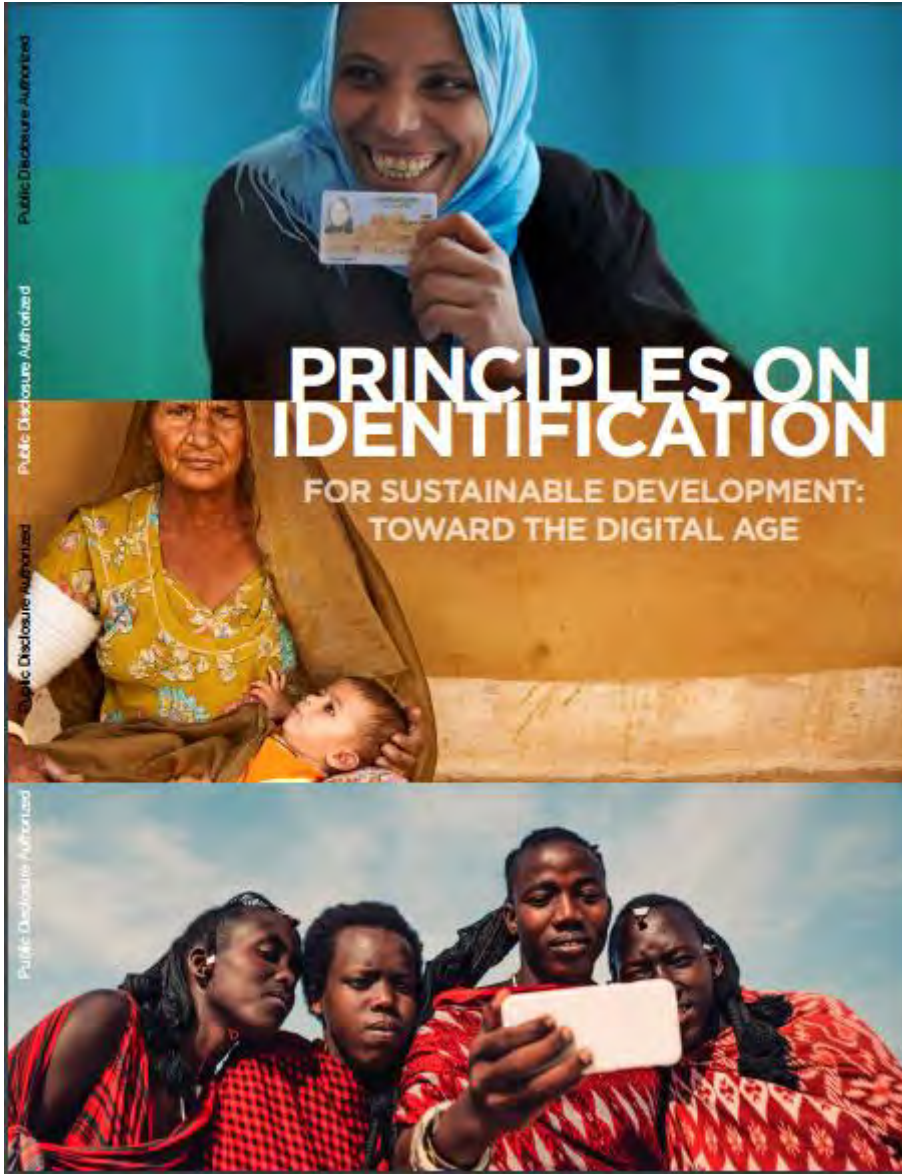
(World Bank Data June 2017)

Countries with an ID



Countries with an eID





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PRINCIPLES ON IDENTIFICATION

FOR SUSTAINABLE DEVELOPMENT:
TOWARD THE DIGITAL AGE

Safeguarding data privacy,
security, and user rights
through a comprehensive
legal and regulatory
framework.

Digital Identity: Issue Analysis



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Digital Identity Privacy Principles

- Mapped on to existing privacy and identity principles
 - OECD guidelines
 - Fair Information Practice Principles
 - EU Data Protection Directive
 - Laws of Identity (Kim Cameron)
 - GOV.UK Verify Principles

Four themes

- Fairly regulated
- Citizen centric
- Protecting privacy
- Interoperable and secure

Separating authentication from identification

- Digital technologies can provide strong authentication
 - Biometric reader
 - Two factor authentication

Authentication and identification

- Enable strong authentication even if identity evidence package is poor
- Grow identity evidence over time

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- Digital identity: Issues analysis report
 - http://www.chyp.com/wp-content/uploads/2016/07/PRJ.1578-Digital-Identity-Issue-Analysis-Report-v1_6-1.pdf

Data mashup

- World Bank ID4D data set (June 2017)
 - June 2017
http://databank.worldbank.org/data/download/IDS/WB_ID4D_dataset.xlsx
- Graham Greenleaf's Global Tables of Data Privacy Laws and Bills (5th Ed, June 2017)
 - https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2992986