Election Technologies

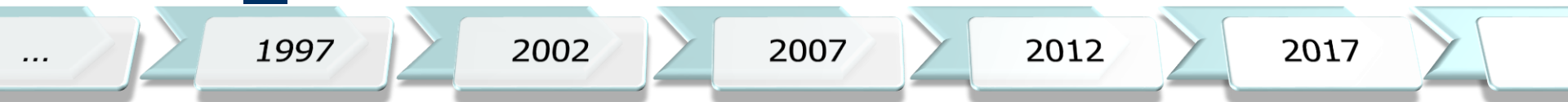## Global long term perspectives and trends

Peter Wolf
International IDEA
IDEA/IOF/NE/RECEF Workshop on the use of New Voting Technologies
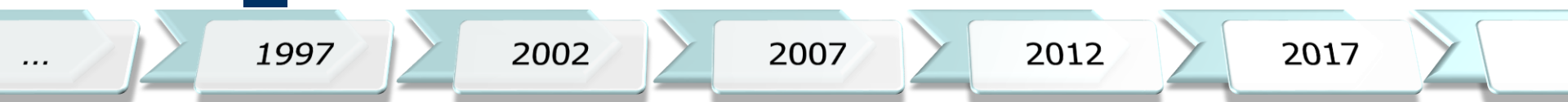Praia, 22 November 2017

20+ years of "new" voting technology

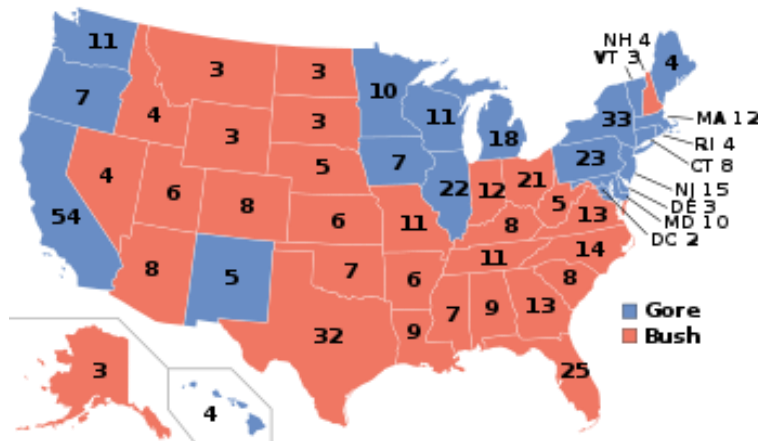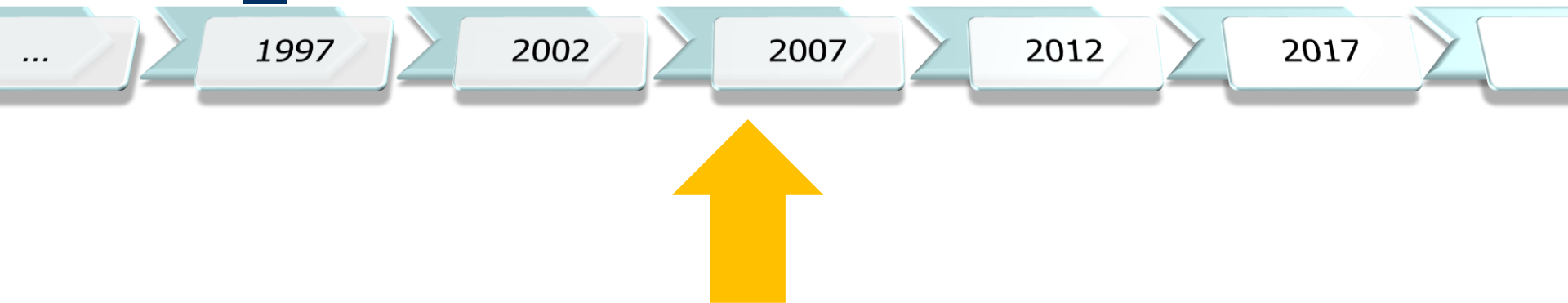... | 1997 | 2002 | 2007 | 2012 | 2017

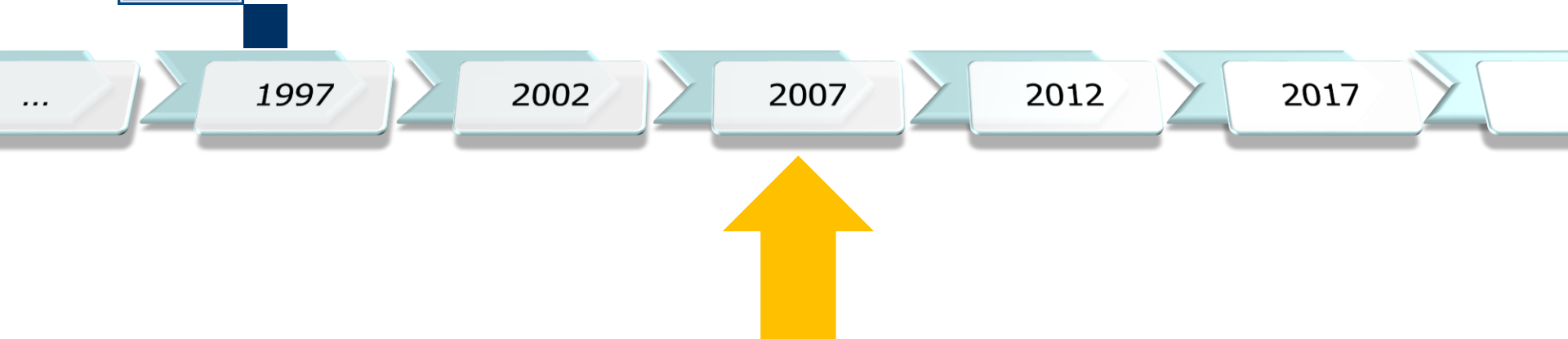# Voting Machine Pioneers 1980s-1990s
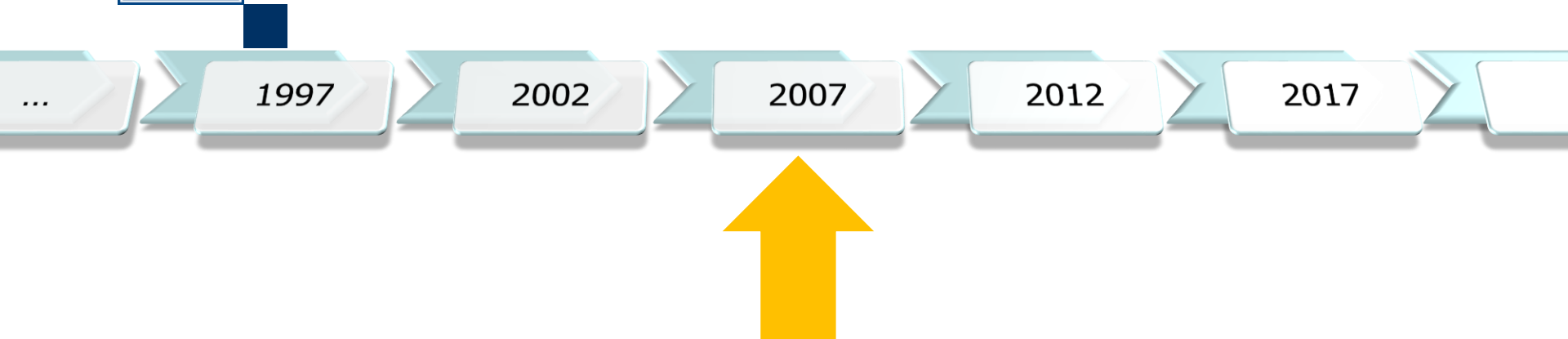
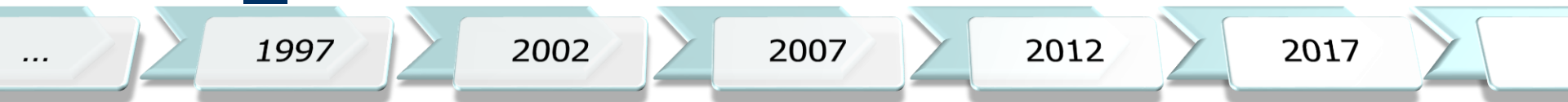# VM investment boom after US 2000

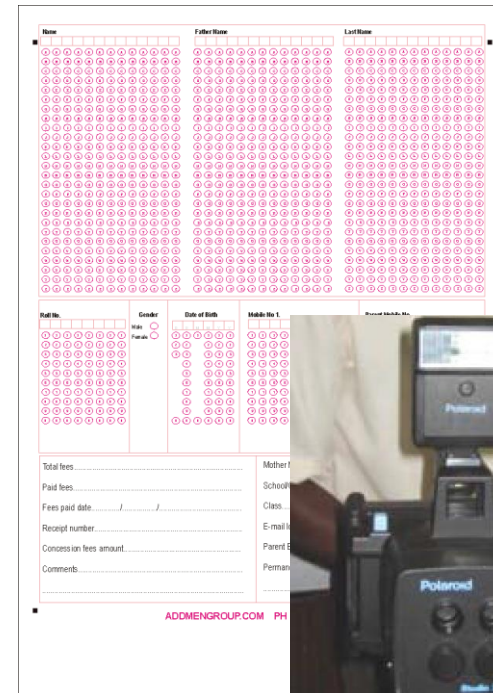# Internet voting Estonia 2005

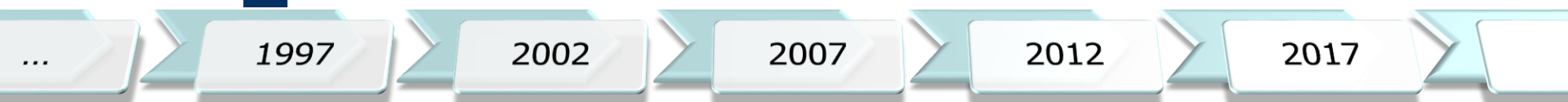# The future is e-voting!

The future is e-voting?
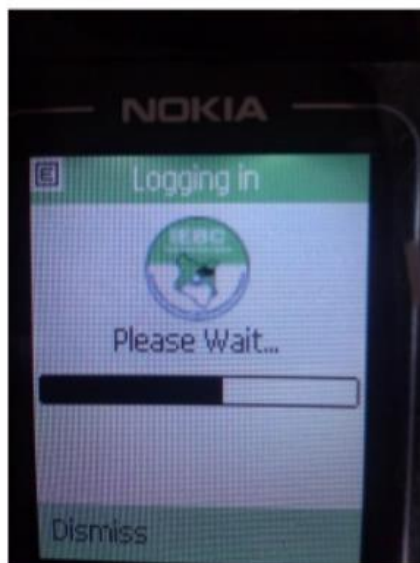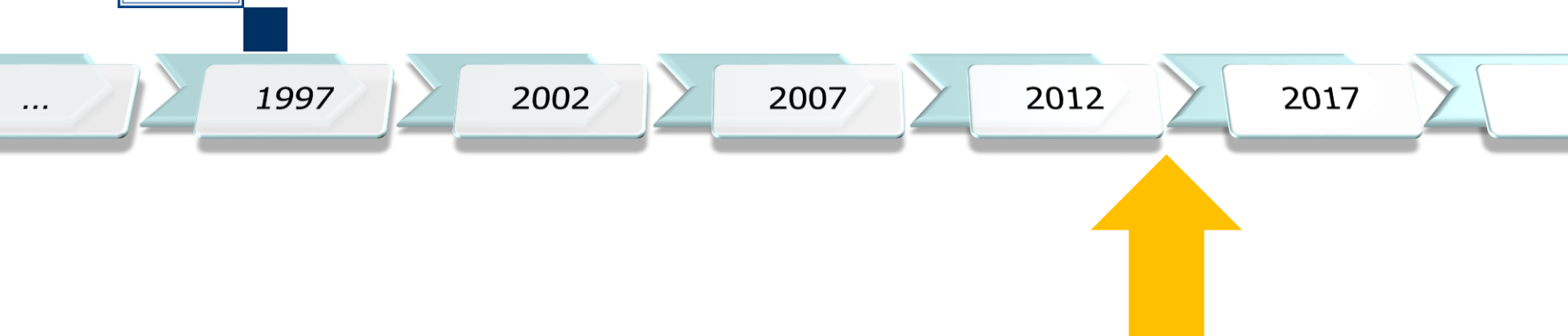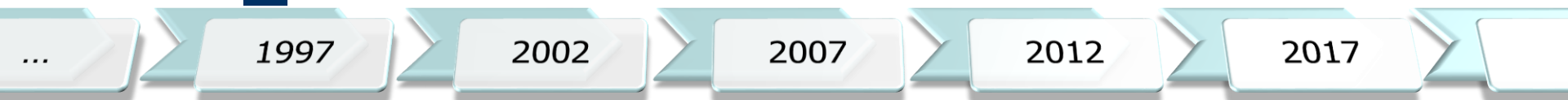
More critical view on e-voting

Voter registration, from OMR and Polaroid …

… to biometric VR field kits.
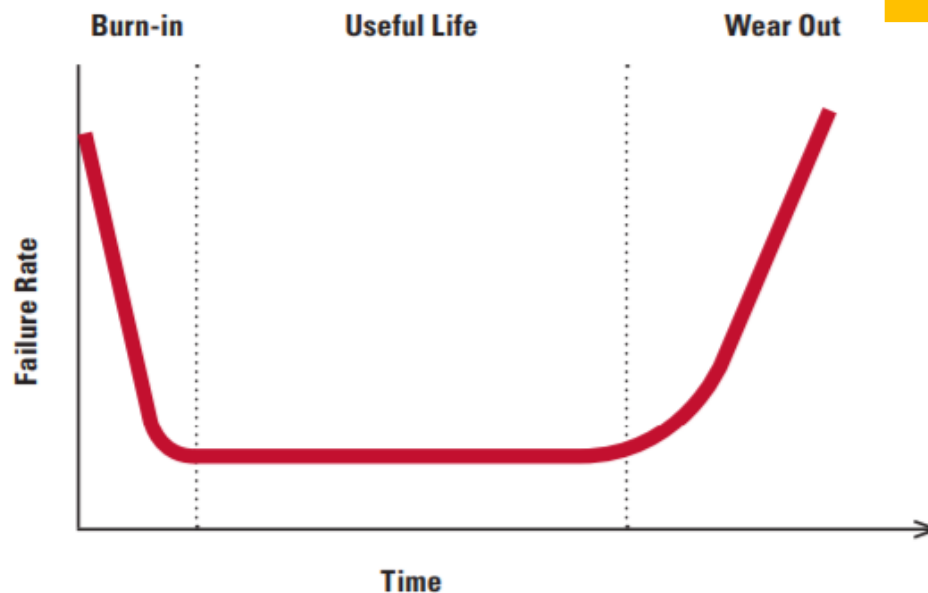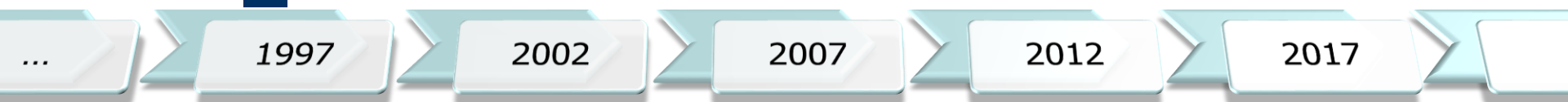

... | 1997 | 2002 | 2007 | 2012 | 2017

Electronic Tally and Transmission

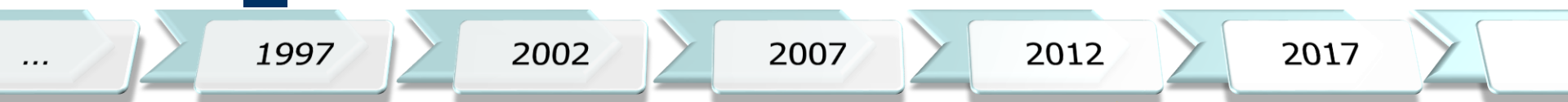# Biometric Voter Identification

Some challenges: Technology failures?

Some challenges: Election and technology cycles?

Election year	1992	1996	2000	2004	2008	2012
Operating System						
Data Transfer						
Mobile Computers						
Biometrics Standard	1-1986	1-1993	1a-1997	1-2000	1-2007	1-2011

International IDEA

Cost & sustainability – The need for synergies

... | 1997 | 2002 | 2007 | 2012 | 2017

The Use of Open Source Technology in Elections

CIVIL REGISTRATION

SHARE
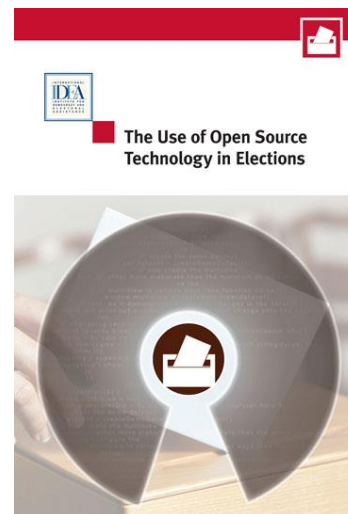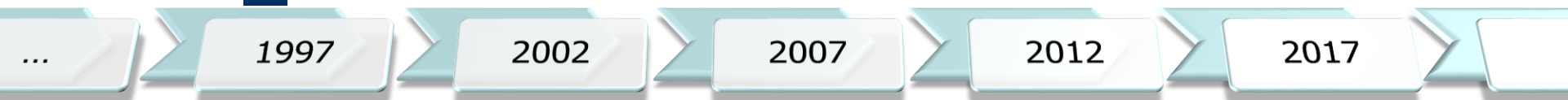
Another focus since 2016
Reality, Perception, Counter-Measures

... | 1997 | 2002 | 2007 | 2012 | 2017
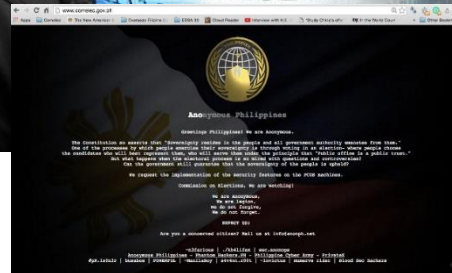
Where is are we in 2017?

... 1997 2002 2007 2012 2017
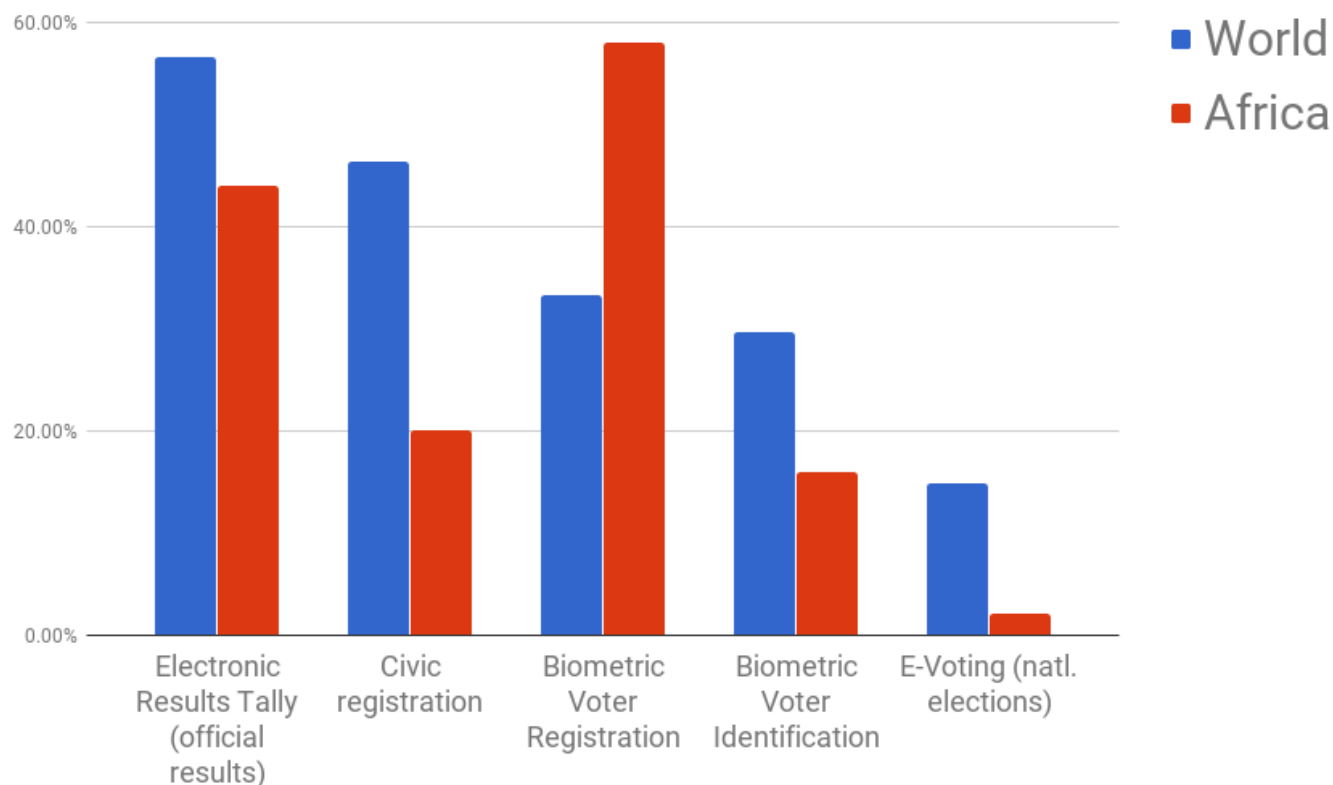
Source: IDEA ICT in Elections Database: https://www.idea.int/data-tools/data/icts-elections
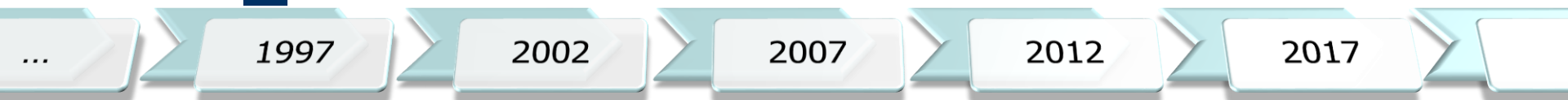
Beyond the stats: Taking stock

What were the successes and achievements?

What are remaining and new challenges?

What solutions have been found?

What is the future?

Beyond the stats: Taking stock

What were the successes and achievements?

What are remaining and new challenges?

What solutions have been found?

What is the future?

Open Data in
Electoral Administration

Thank You!