State Automated Information System - Elections

Technical Overview

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Motivation

for

Centralized e-Register of Voters

Out of Country or Displaced

- Estimate of 2.3 Million Voters
- 30% of Voters working outside of Moldova
- 15-25% break away region
- Disabled people voting from home
- Hospitals and Prisons

Multiple Voting

- **Many paper lists causes a *silo* effect**
  - **Difficult to pick up multiple registrations**
  - **Difficult to spot discrepancies**
  - **Different formats**
  - **Different layouts**
- **Central Database**
  - **Easy to find Duplicates**
  - **One place for Voter updates**
  - **One place to see Voting Status**
  - **Live Results available to all**
- **Period after elections – correct cycle to start big IT developments**

Quality of Register of Voters

- Many believe that the bad quality of the ROV were one of the main reasons for the unrest after April 2009 Parliamentary Elections
- Voter can proof
  - he is a citizen
  - His domicile but is not on the local voters list
  - this cause mistrust
  - But he will be added to supplementary list
- Supplementary Lists is a good indicator of the Quality of ROV
- Supplementary List of July 2009 Parliamentary Elections was overall roughly 10% of Voters
- The e-ROV reduced the Supplementary count at the Pilot from 4% (31) to 0.2% (2) Voters

Electronic Register of Voters

Centralised Database

Web Based

CEC IT Team

- Smart
- Willingness
- Eager to make it work
- Proudly Moldovan
- Right Electoral Cycle for capacity building

Pre-Election IT Overview 2009

Election
- Date
- Type
- Locality

RoP
- Population
- Locality + IDNP
- Name, Surname, DOB
- Web Service

Import
- Village Codes
- Citizen Data

PEB
- Create Polling Stations
- Assign Polling Stations

Allocation
- Auto Allocate
  - Locality Code
- Manual Allocate
  - Visual Lists

Voter List
- Verify List
- Export PDF

Reporting
- Web Site
- MS Excel Table
- History

Pre-Election IT Overview 2010

EMB
- DEC Members
- PEB Members

Political
- Party Register
- Candidates / Locality
- Representative

Observers
- Local
- National
- International

Ballot
- Generation
- Management
  - Printers
  - Issue
  - Waste

Reporting
- Web Site
- MS Excel Table
- History

Voting Process IT Overview 2009

Voter List

Verify List

Allocate Mobile Votes

Prepare PC

Chairman

Polling Officer

Mobile

Search

Verify Voter

- Previous Votes
- Current PEB
- Above Age
- Moldovan Citizen

Issue Ballot

Voting

Paper Based

Counting Issues

Observer Issues

Turn Out

Instantaneous

Ballot Paper Issued

Detailed

- Normal
- Absentee
- Mobile
- Moved
- New

Results

At close of Poll

Protocol Verified

Protocol Entered at Polling Station

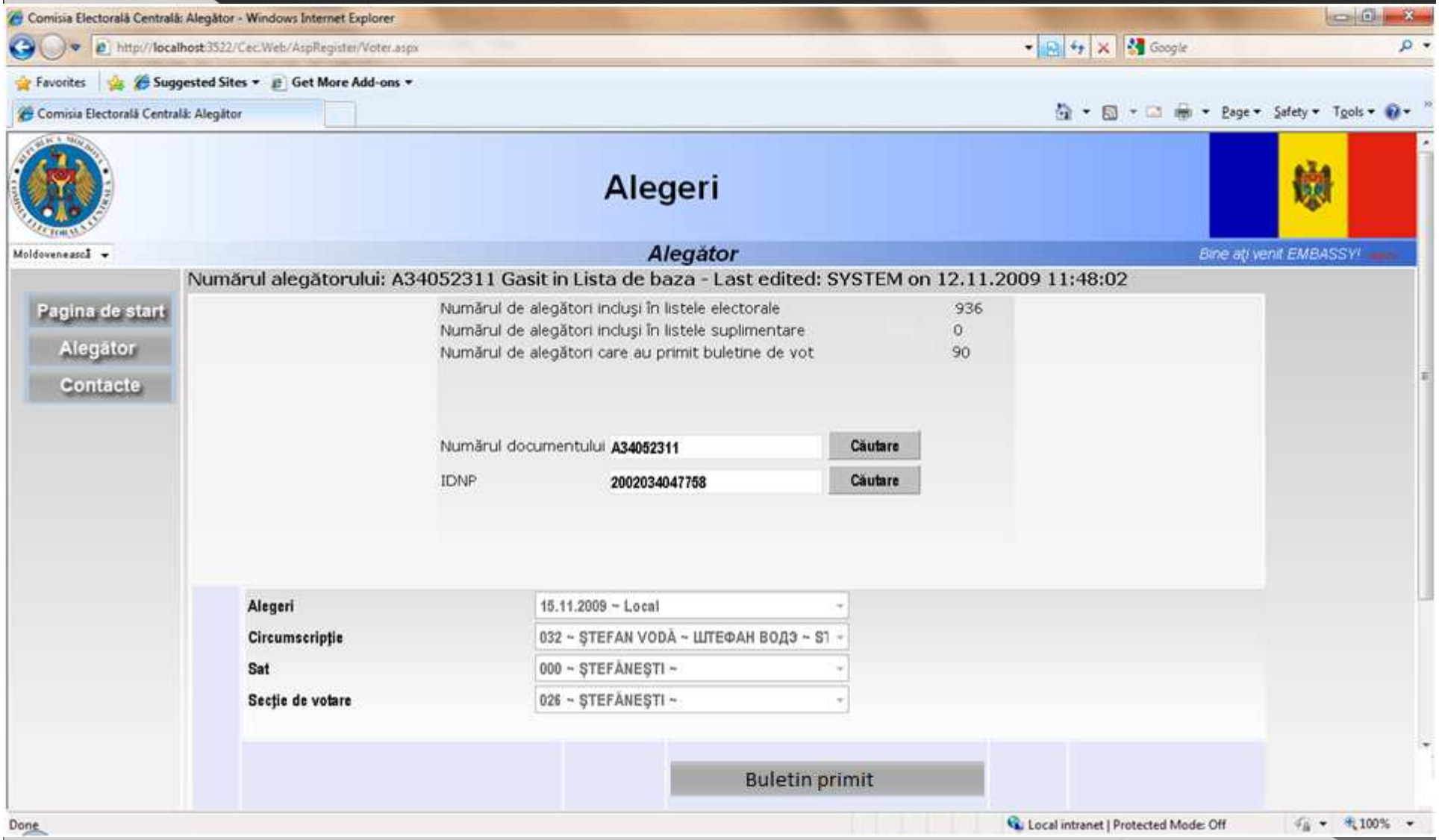
Reporting

Web Site

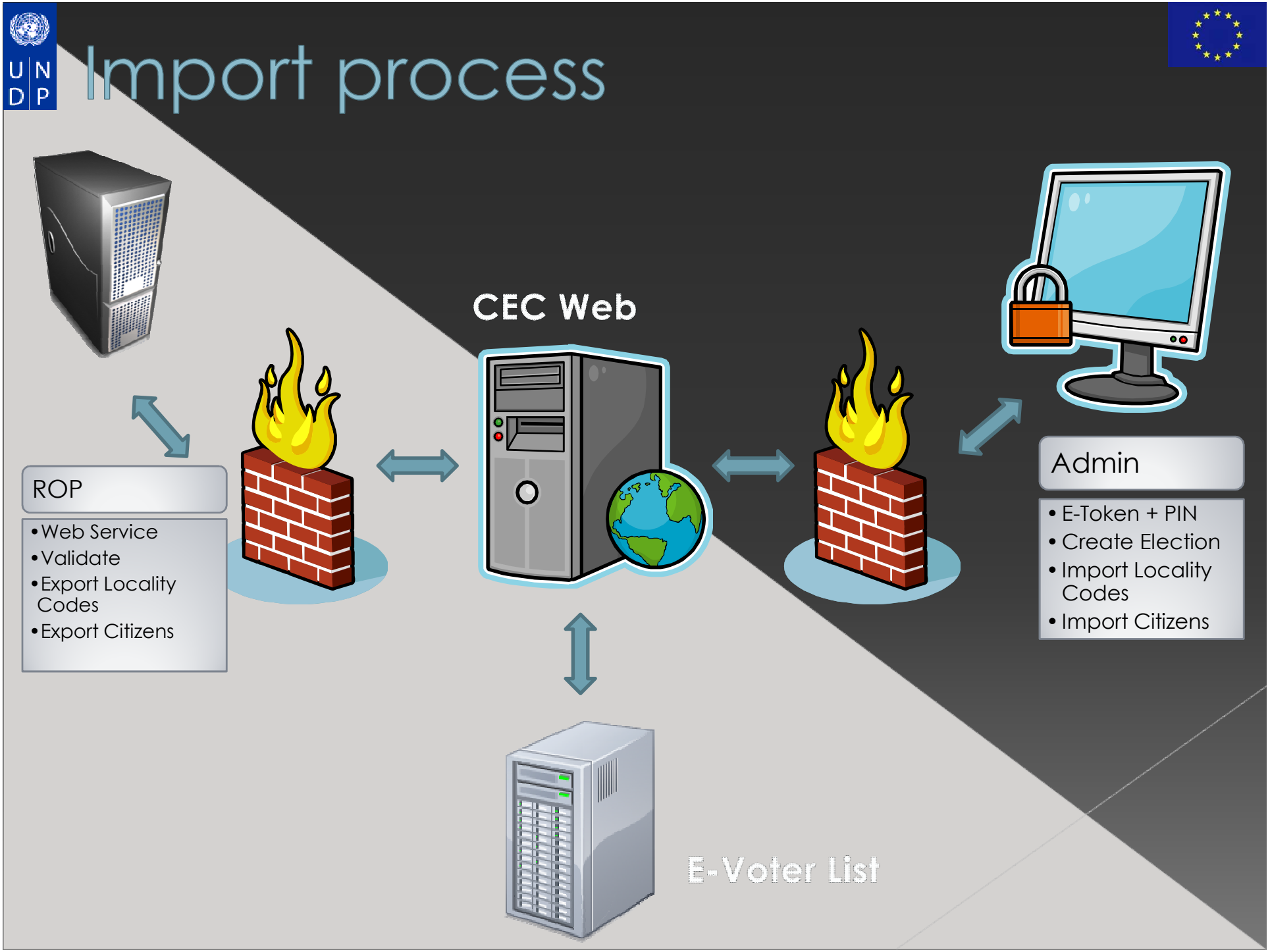
MS Excel Table

History

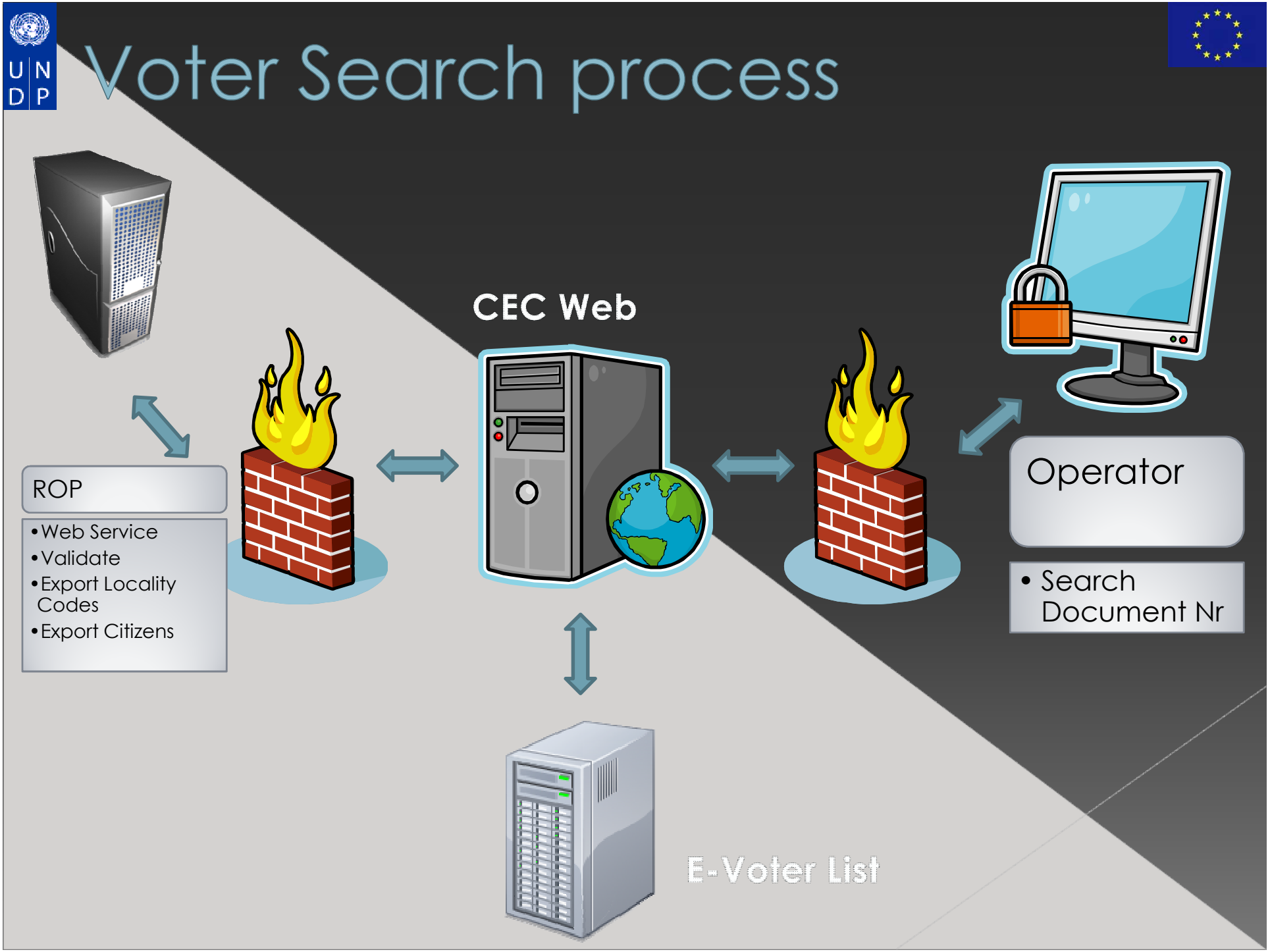
The Voter Search at Polling



Import process



Voter Search process



What do the Voters think?

Voter Education

Vs.

Technology Problems

Voter Exit Poll

A total of 396 voters were interviewed, representing 26% of the total number of voters on the voter lists, and 50% of voters who actually voted		
Sex:	Male	44.2%
	Female	55.8%
Age:	18-29	15.2%
	30-45	28.5%
	46-60	36.4%
	60+	19.9%
Education:	No education	4.0%
	Incomplete secondary education	20.7%
	Secondary school	24.5%
	Vocational school	32.8%
	High school	.8%
	Higher education	16.6%
	REFUSAL	.5%
Ethnicity:	Moldovan	63.6%
	Romanian	3.5%
	Russsian	26.0%
	Ukrainian	5.1%
	Gagauzian	1.0%
	Bulgarian	.5%
	Other	.3%

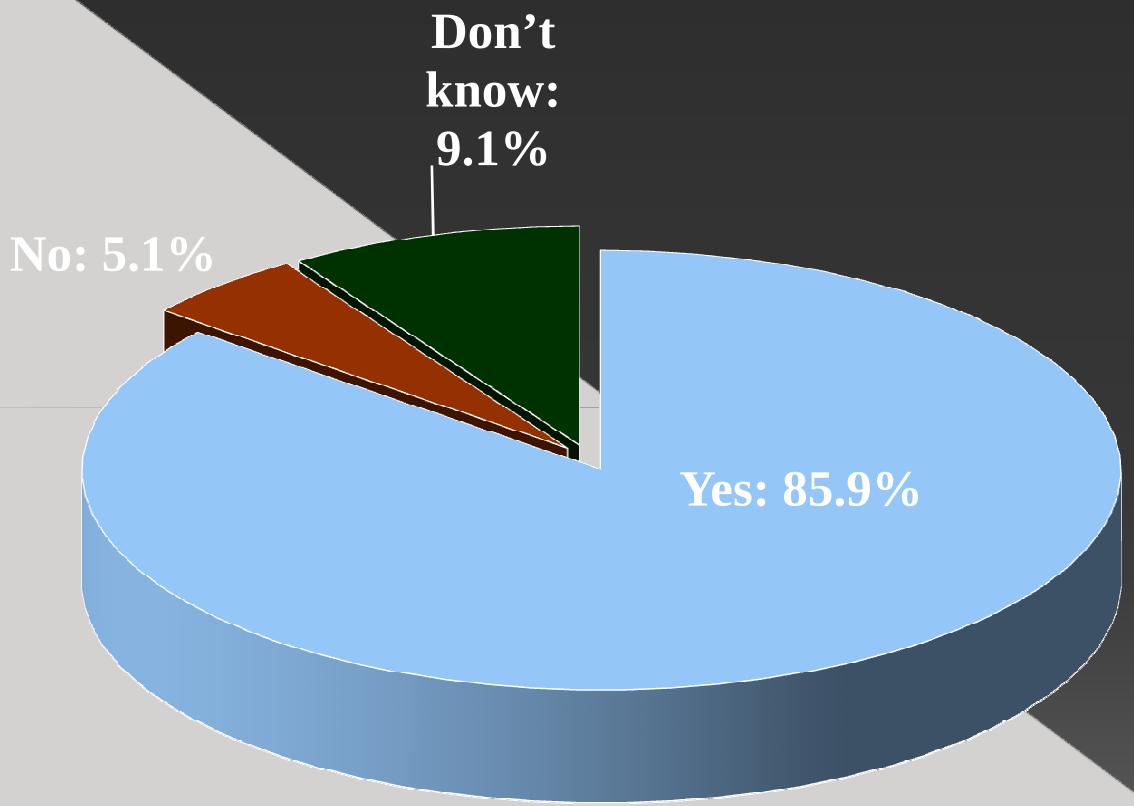
Executor:

GALLUP INTERNATIONAL

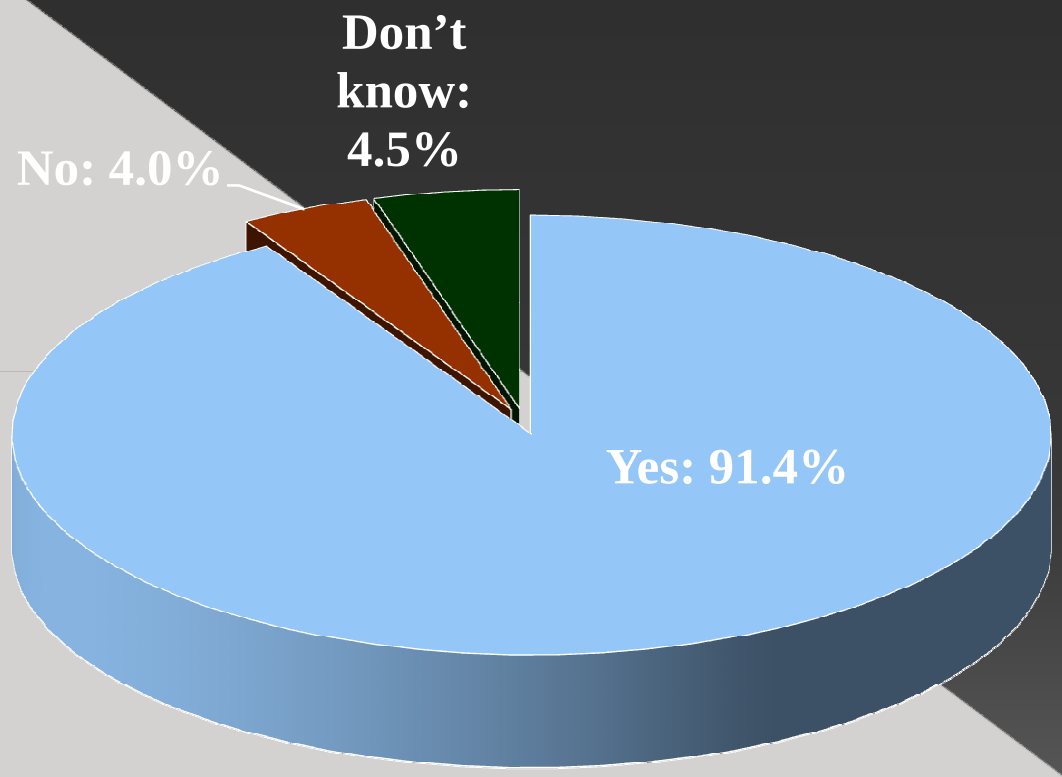
Centrul de Investigații Sociologice și Marketing "CBS-AXA"

15 November 2009

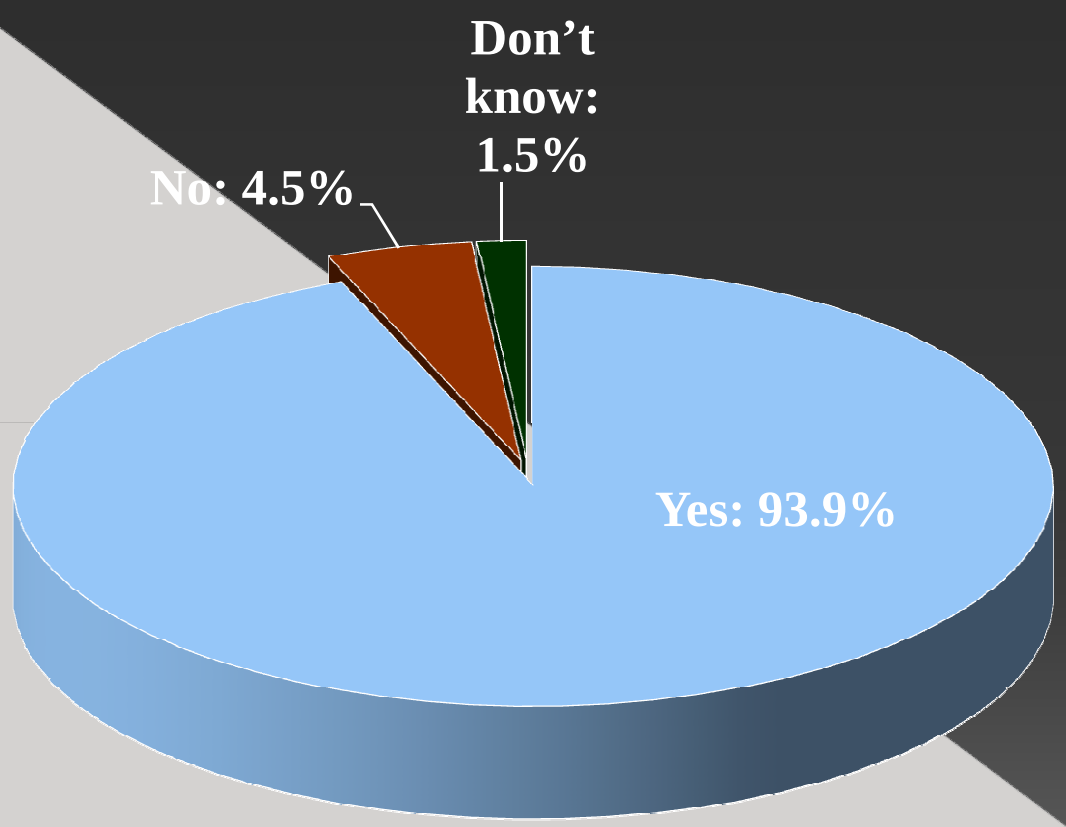
Are you satisfied with the procedure of testing the Electronic Register of Voters?



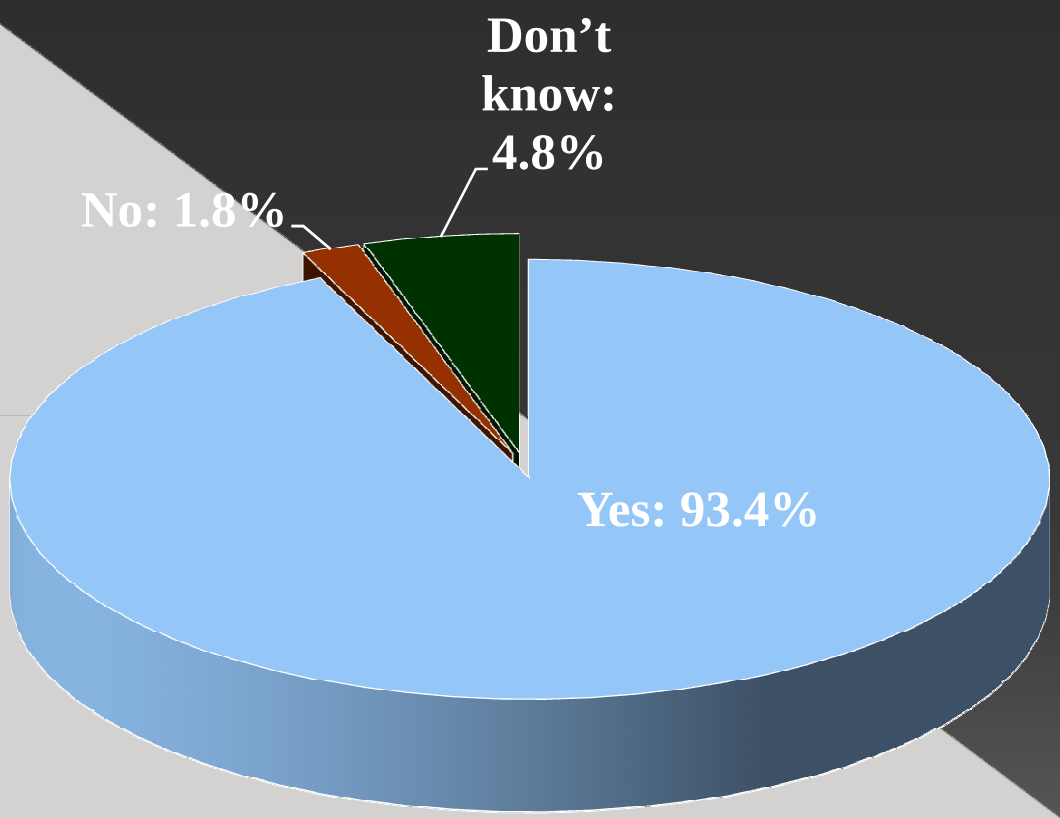
Do you think it is good to use electronic voters' lists?



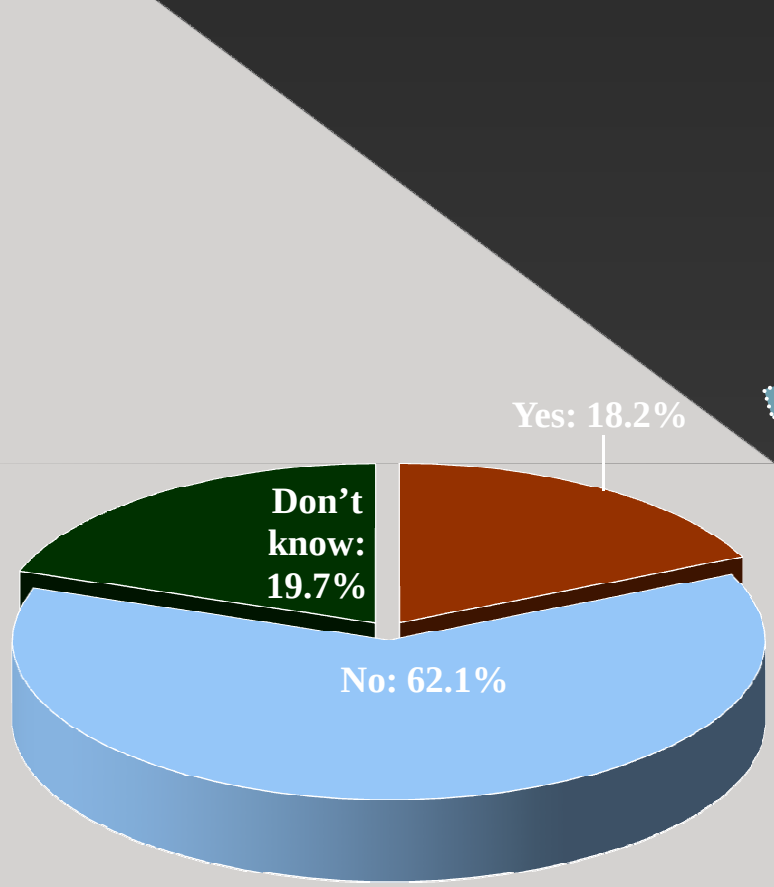
Did you find easily the operator and computer in the polling station?



Was your name found in the electronic voter list?

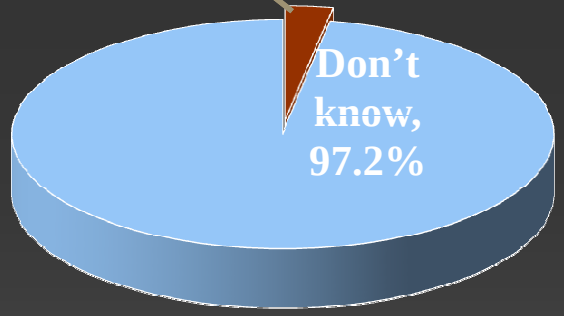


Do you think the electronic system of keeping records about voters will somehow affect your personal data?

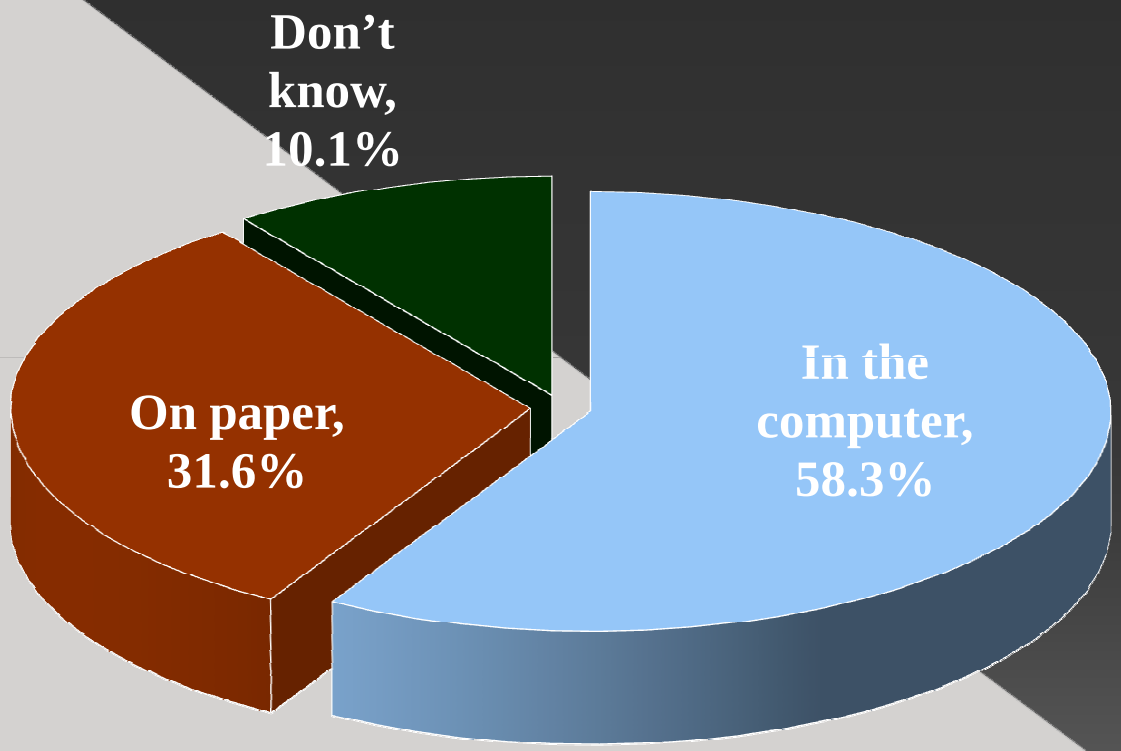


HOW?

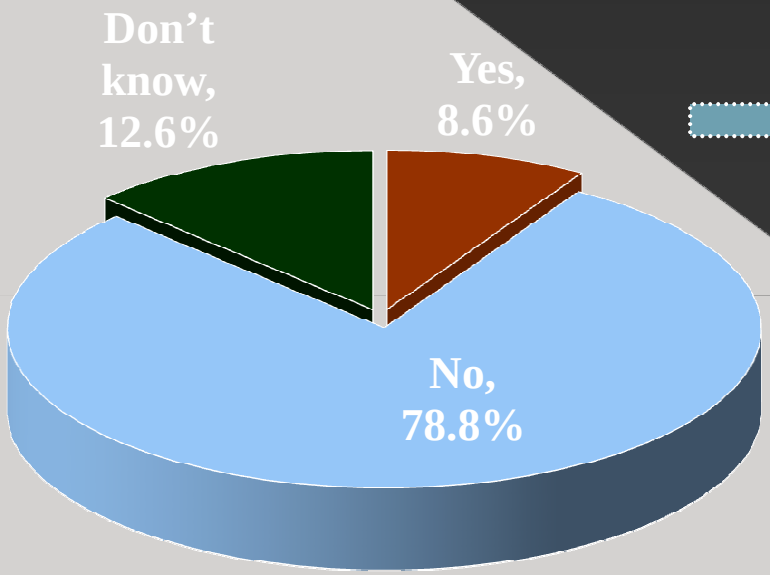
Interventions can be made to the Register without the voter's presence, 2.8%



Where was your name found easier, in the computer or on paper?



Do you think the electronic verification of voters' lists will make the voting procedure more difficult?



HOW?

Don't know	70.6%
The registration on paper is faster, more efficient	11.8%
The electronic registration procedure is too slow	8.8%
The voter cannot follow the registration procedure in the computer	5.9%
The procedure is too complicated	2.9%

Lessons Learned

Expected

New

Solutions

Lessons Learned

- Too many lists to be synchronized
- IDNP to be used
- Voter Education
- Operator Training
- Number of Computers
- Windows Updates
- Internet Connection
- Connection Speed

Legal Implications

Law in the Digital Age

Electoral Law or Electoral Code Changes

- Communication with Register of Population
- Digital Results Tabulation
- EMB Members and Observer Accreditation
- Supplementary Lists
- Mobile Votes
- Local Elections
- Display of Voters Lists
- Approval Procedures

Future Possibilities

Extension to
i-Voting

Thank you

Questions?