

# ICT and Elections

## CAPE VERDE EXPERIENCE

**Information Technology and Elections Management**  
Informed Decisions for Sustainable Outcomes

5/9 March 2012 Mombasa, Kenya

Guevara Cruz

# Agenda

Cape Verde in Numbers

Voter registration Process

Election Day 2011

Conclusion

# Cape Verde key figures

**Population** - 491. 600 habitantes

**Area** – 4, 033 square km

**Growth rate** – Average 6%

**Income per capita** - 3.826 USD

**Inflation Rate** - 2%

**Unemployment rate** - 13%

# Cape Verde key figures

## Education - Literacy

- 79% (Adults) and 97% (youth )

## Health - life expectancy

- 76 years (women) / 73 (Men)

Considered most stable country in Africa for the year 2011-12

## People registered (ELECTION)

- ~315.000

# Cape Verde in numbers

## Mobile penetration

- **75%** ( ITU, 2011).

## Internet access

- **2000 to 2011 - From 2% to 30%** ([www.itu.int](http://www.itu.int), 2011)

## Computer access

- **10.8%** (INE.CV, QUIBB 2007)

# Democracy Index 2011

Pais	Ranking	Resultado Global	I Processo Eleitoral e Pluralismo	II Funcionamento das Instâncias Governamentais	III Participação Política	IV Cultura e Maturidade Política	V Direitos Cívicos
Noruega	1	9.80	10.00	9.64	10.00	9.38	10.00
Suécia	4	9.50	9.58	9.64	8.89	9.38	10.00
Estados Unidos	19	8.11	9.17	7.50	7.22	8.13	8.53
Maurícias	24	8.04	9.17	8.21	5.00	8.13	9.71
 Cabo Verde	26	7.92	9.17	7.86	7.22	6.25	9.12
Portugal	27	7.81	9.58	6.43	6.11	7.50	9.41
África do Sul	28	7.79	8.75	8.21	7.22	6.25	8.53
Botswana	33	7.63	9.17	7.14	5.56	6.88	9.41
Timor Leste	42	7.22	8.67	6.79	5.56	6.88	8.24

# In house solution

Cape Verde Approach to “Integrated Administration” was innovative and self directed

Cape Verde was innovative by introducing the concept of integrated vision for the public administration, sustained by national competencies since 1998. This concept was validated by UN (From e-Gov to connected Gov) in 2008.



# EMBs



CNE

## National Electoral Commission

Guarantee that elections are conducted in accordance with the electoral laws in a manner that reflects the will of the people;

- etc.



DGAPE

## General Directorate for Electoral Management

- Provides all logistic activities for electoral process
- Maintenance and management of the electoral system

....



NOSI

ICT Support



CRE

## Registration Office

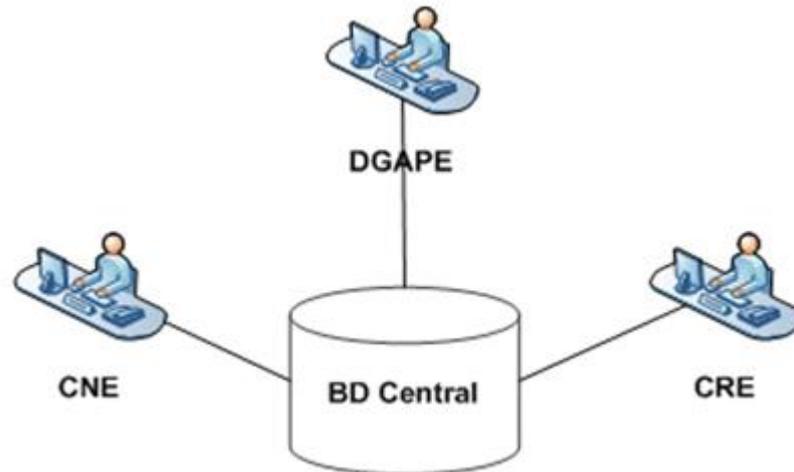
- Independent
- Execute the registration process in the field
- Management of the processes registration
  - Update
  - Eliminate
  - Address Transfer

- etc.

# Stakeholders for Data Integrity

**Objective** - Ensure that all legitimate voters will be able to vote and there are no cases of double registration

Possibility of instant and simultaneous use of data has eliminated any geographical borders



# Why ICT in election?

Unique record

Nationality issues

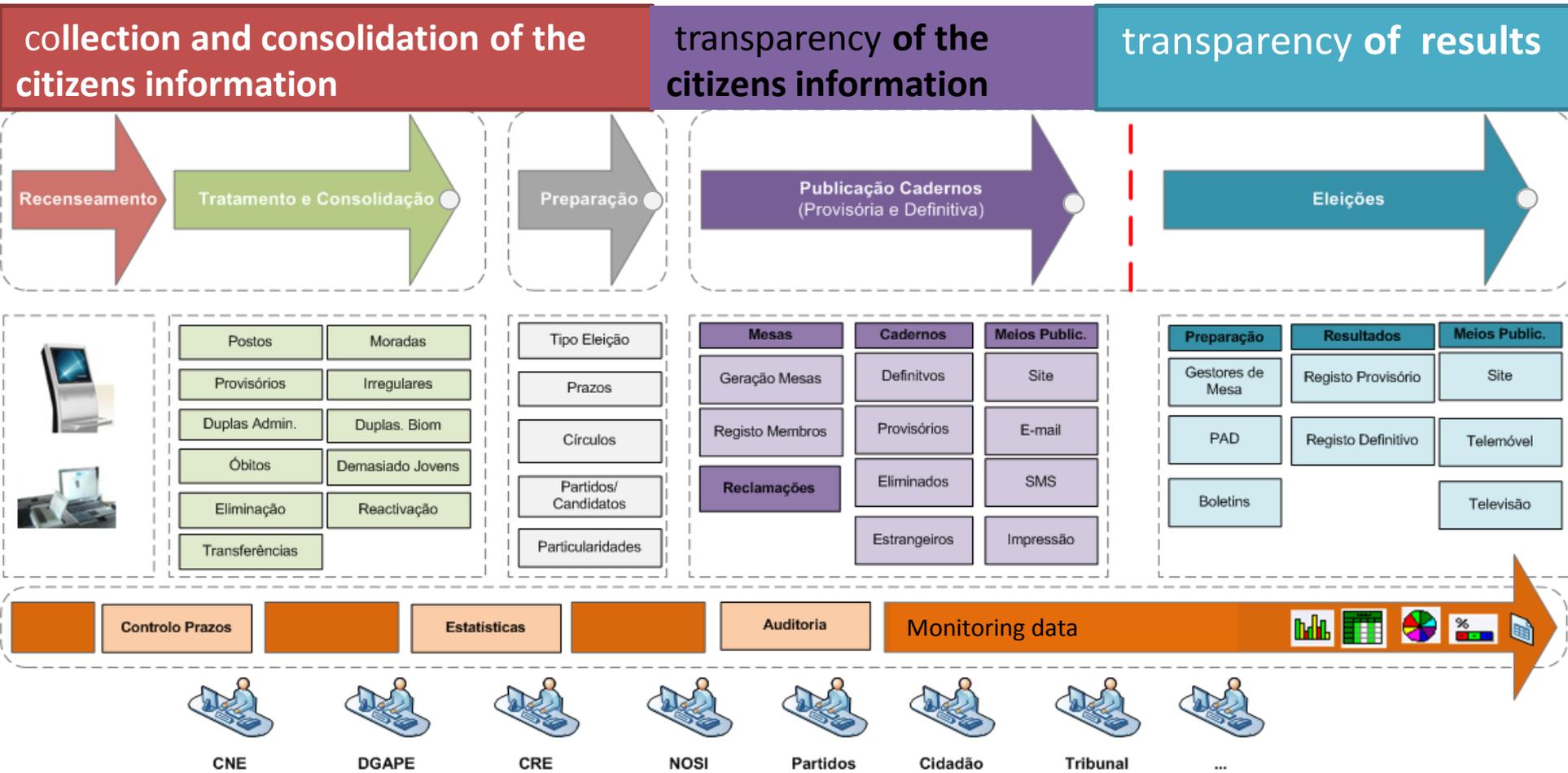
Inactive citizens (deaths)

Continuous registration

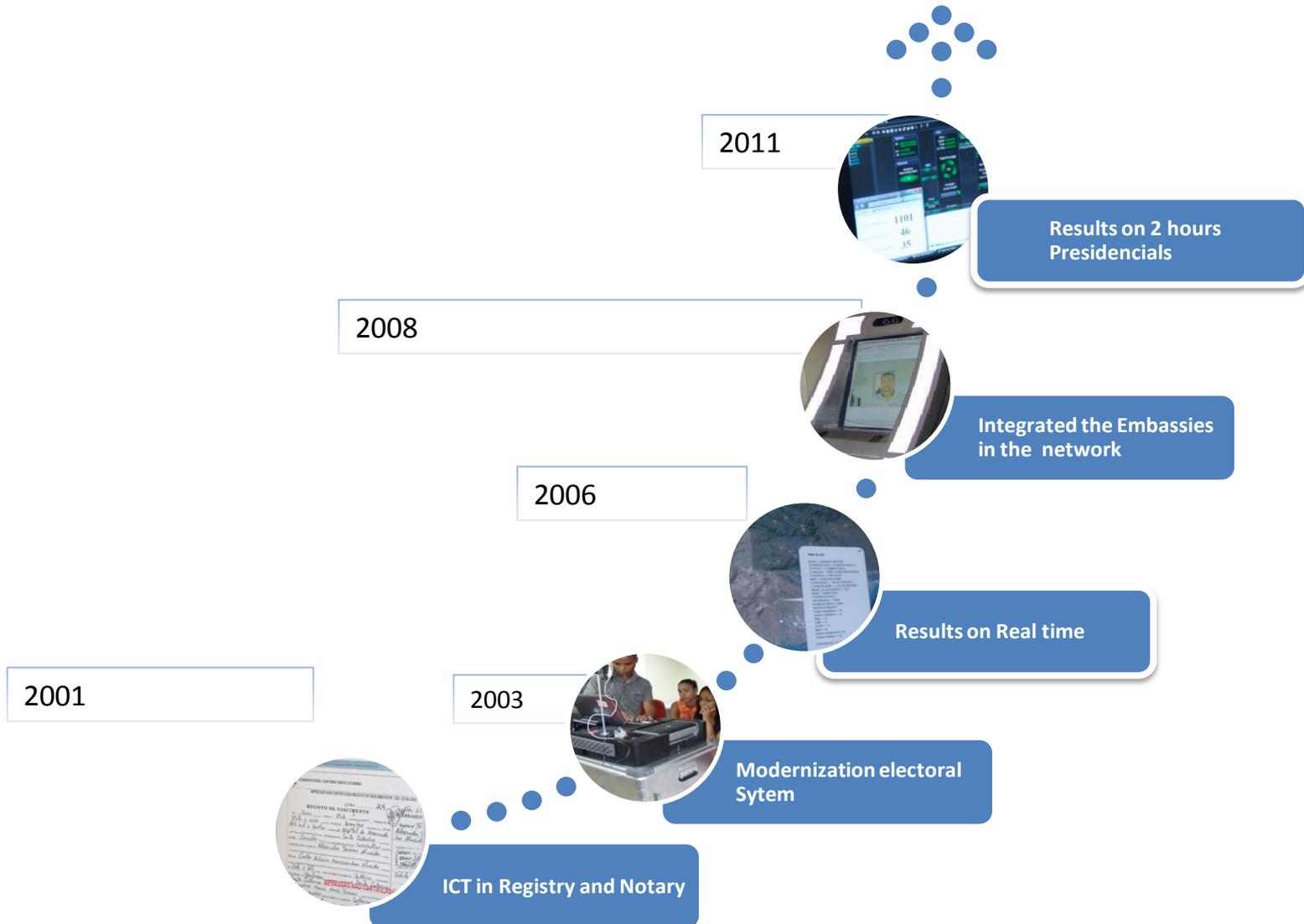
ID Card

Keeping the public informed

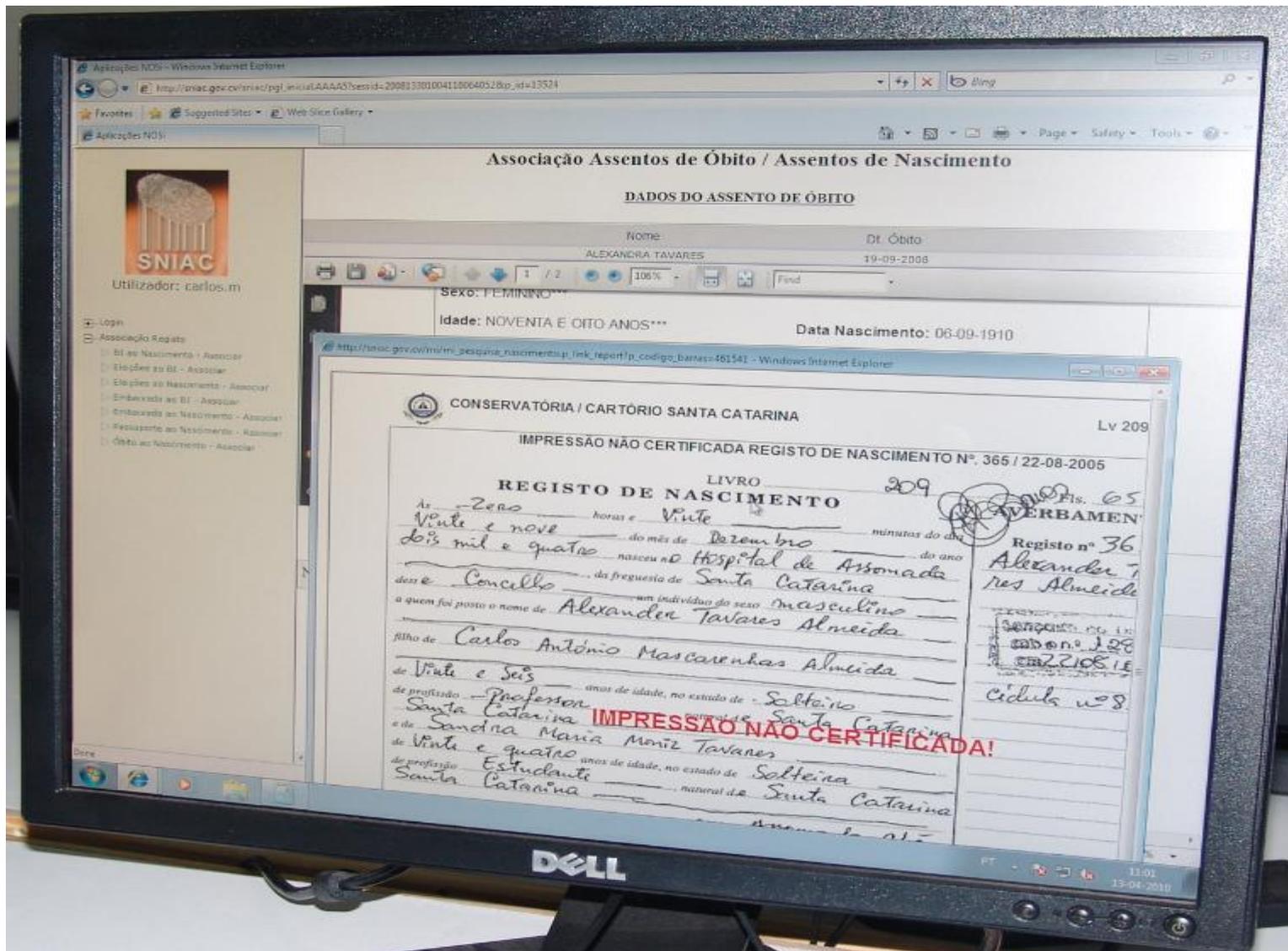
# Phases of Formal Electoral Procedure



# ICT and Election - Our Experience

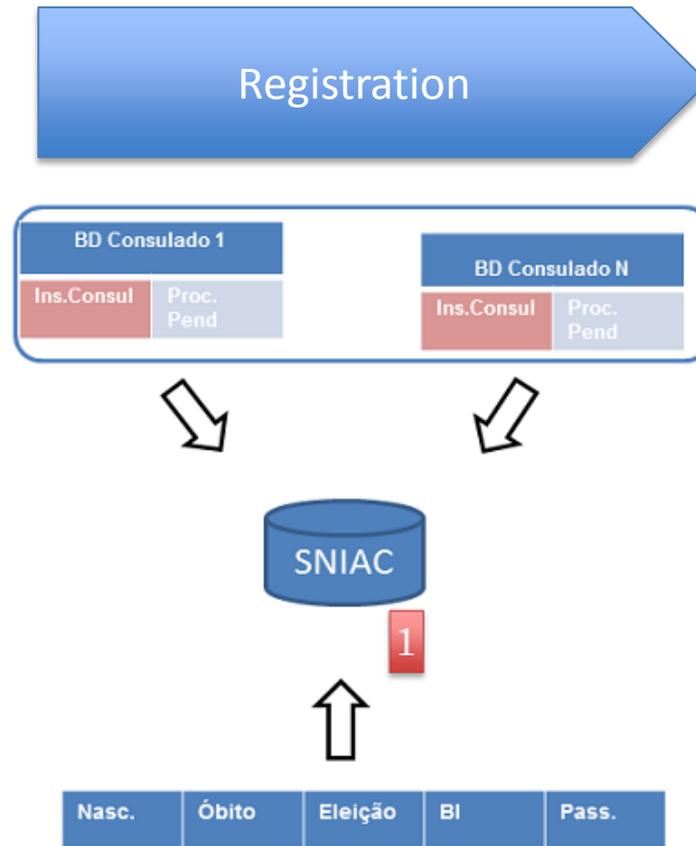


# 1,5 million Digizization Records



# Voter Registration Process

# Integrated Data Collection



Kiosk de recenseamento fixo



Kits de recenseamento Móvel

# Registration Process

Distribution devices for all consulates and embassies

On Job Training to electoral Officers.

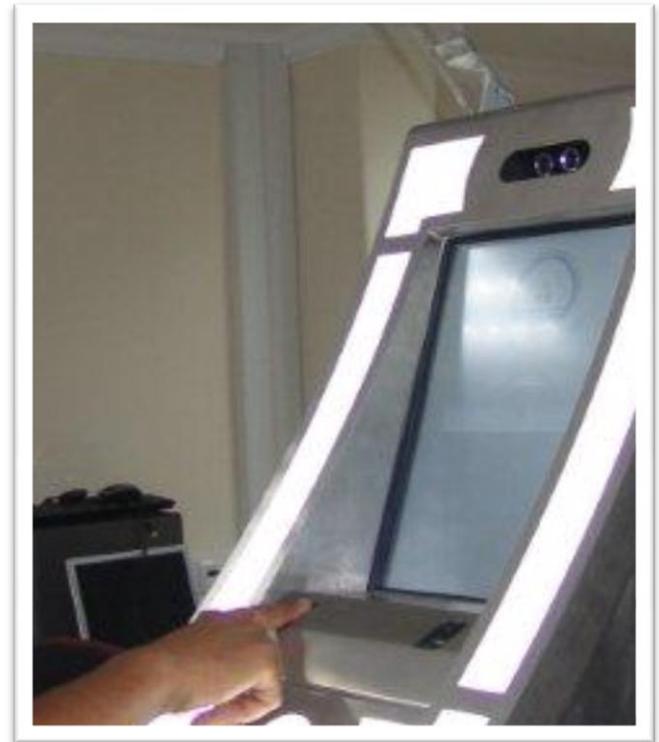
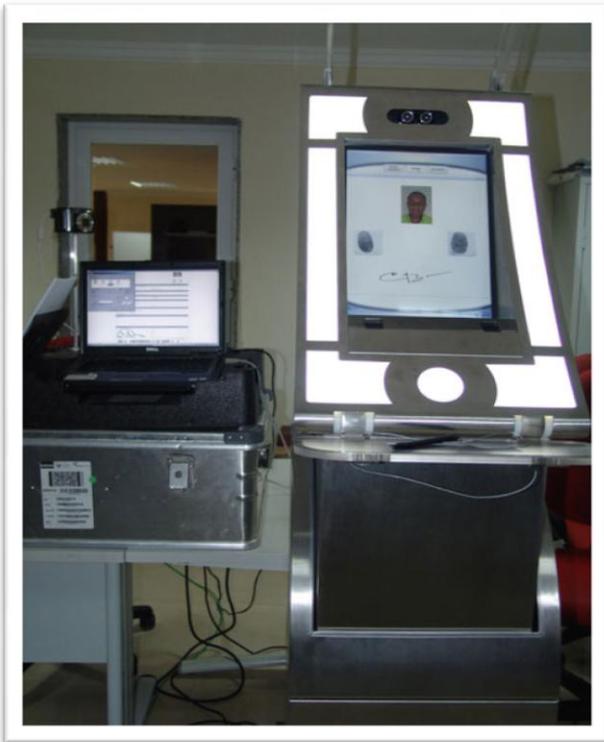
Deploy Team in all Islands



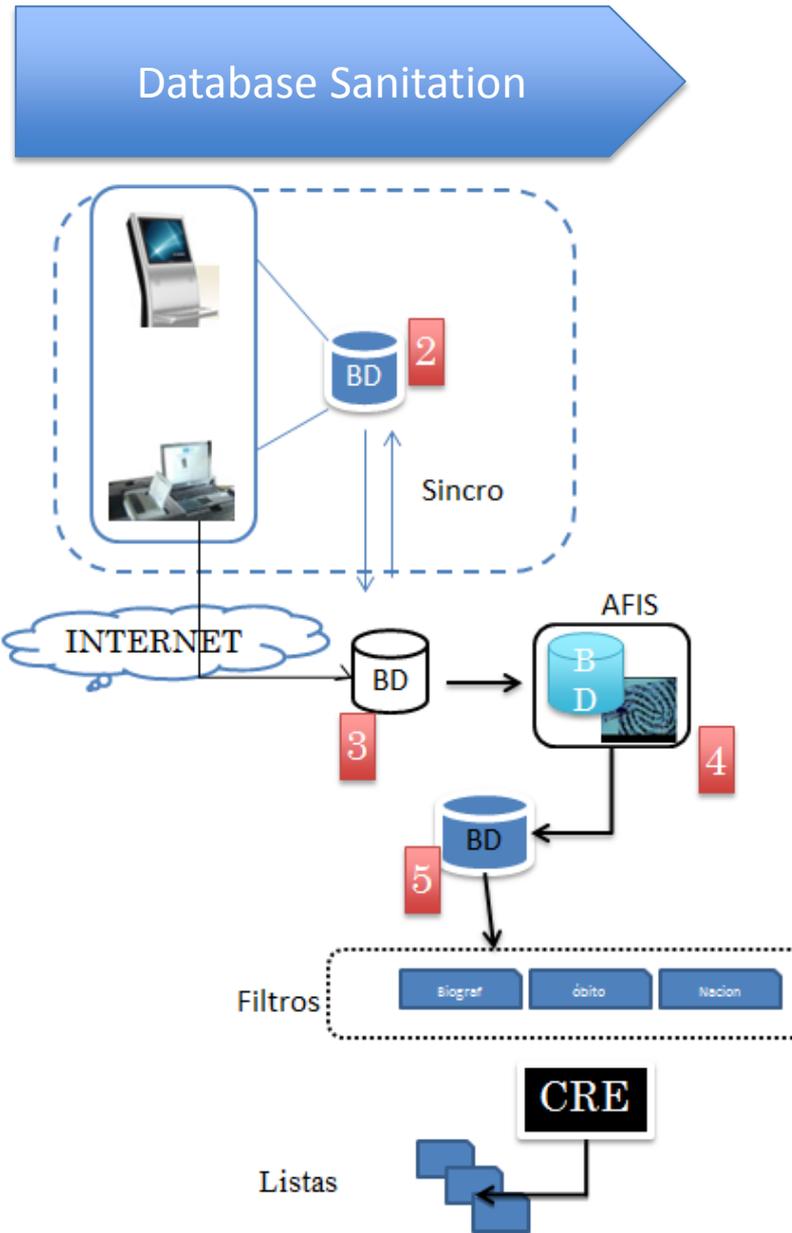
# Biometric Devices

## Improved Efficiency in Election Process

- Electronic Electoral census with biometric data collection
- Biometric information (fingerprints) prevents voter fraud



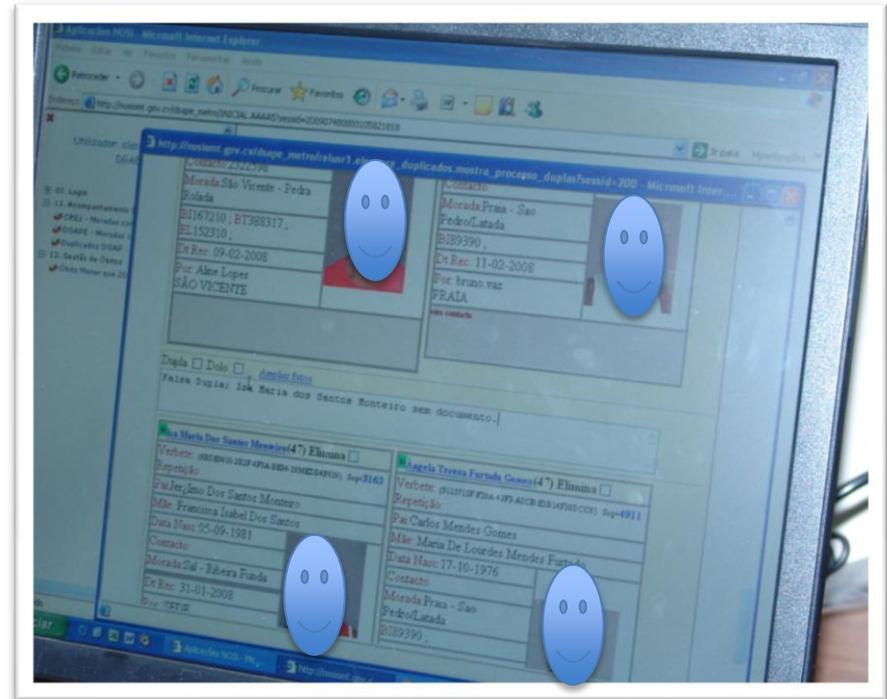
# Integrated Data Collection



# Promoting data integration

## Improving election data base

- Integration of system in same DB



# Information distribution

Information



Internet enable DB

Call Center

Broadcast SMS



# Porton di nos ilha

Morabeza e Qualidade

Bem Vindo, GUEVARACRUZ

[Papel Cidadão](#)

[Sair de Sessão](#)

[Alterar Password](#)

CIDADANIA

NEGÓCIOS

NOS TERRA

EMPREGO

NHA DOSSIER



[Nha Dossier](#)

## ALERTAS

GUEVARA VIRGÍLIO MARTINS DA CRUZ



BI: 105635

NIF: 110563557

EMAIL: GUEVARA.CRUZ@NOSI.CV

ENDEREÇO: PRAIA

[alterar dados»](#)

## RAPIDINHAS

### FORMULÁRIOS ELETRÓNICOS

- [GP010 - Imposto de Selo](#)

PORTAL
  DGCI
  ELEIÇÃO
  ALFÂNDEGA
  CULTURA
  BQE

## INFORMAÇÃO ELEITORAL

CÓD. RECENS. : {47BDFE82-AE28-4D05-B278-B6D2C22C6652}

NOME COMPLETO: GUEVARA VIRGÍLIO MARTINS DA CRUZ

FILIAÇÃO: VIRGILIO JOSE DA CRUZ E JOANA FREIRE MARTINS DA CRUZ

DATA DE NASCIMENTO: 04-08-1975

NATURALIDADE: CABO VERDE \* PRAIA \* NOSSA SENHORA DA GRAÇA

DOCUMENTO DE IDENTIFICAÇÃO: BI 105635

CONCELHO: PRAIA

POSTO: BD - ACHADA SÃO FILIPE

LOCAL VOTO: ESCOLA JÚLIA COSTA

MESA: PR-BD-03



# Accomplishments

**National Registration and Identification integrated System**

**Digitization of existing registry**

**New registration Process**

**Embassies and Consulates accessing the Registration System**

**Biometric Out of country registration**

**Voter registration list on the internet**

**Cape Verde applies ICT in VR as a step  
to a final challenge .... Provide a  
unique repository of citizen  
Identification and authentication**

# 2011 Presidential Election

# Election Day

Voting



Polling Staff  
Authentication  
(Tablet)



Manual secret voting

In the Future ..... All digital vote

# Reporting Process

Transparent Results

Vote Counting



Results synchronization



DGAPE DIRECÇÃO GERAL DE APOIO AO PROCESSO ELEITORAL

Ministério da Administração Interna

Home DGAPE Comissões de Recens. Eleitoral Recenseamento Esclarecimento Eleitoral Eleições e Referendos Links Contactos

LEGISLATIVAS 2011 RESULTADOS PROVISÓRIOS

clique aqui »  
**Veja os Resultados Provisórios**

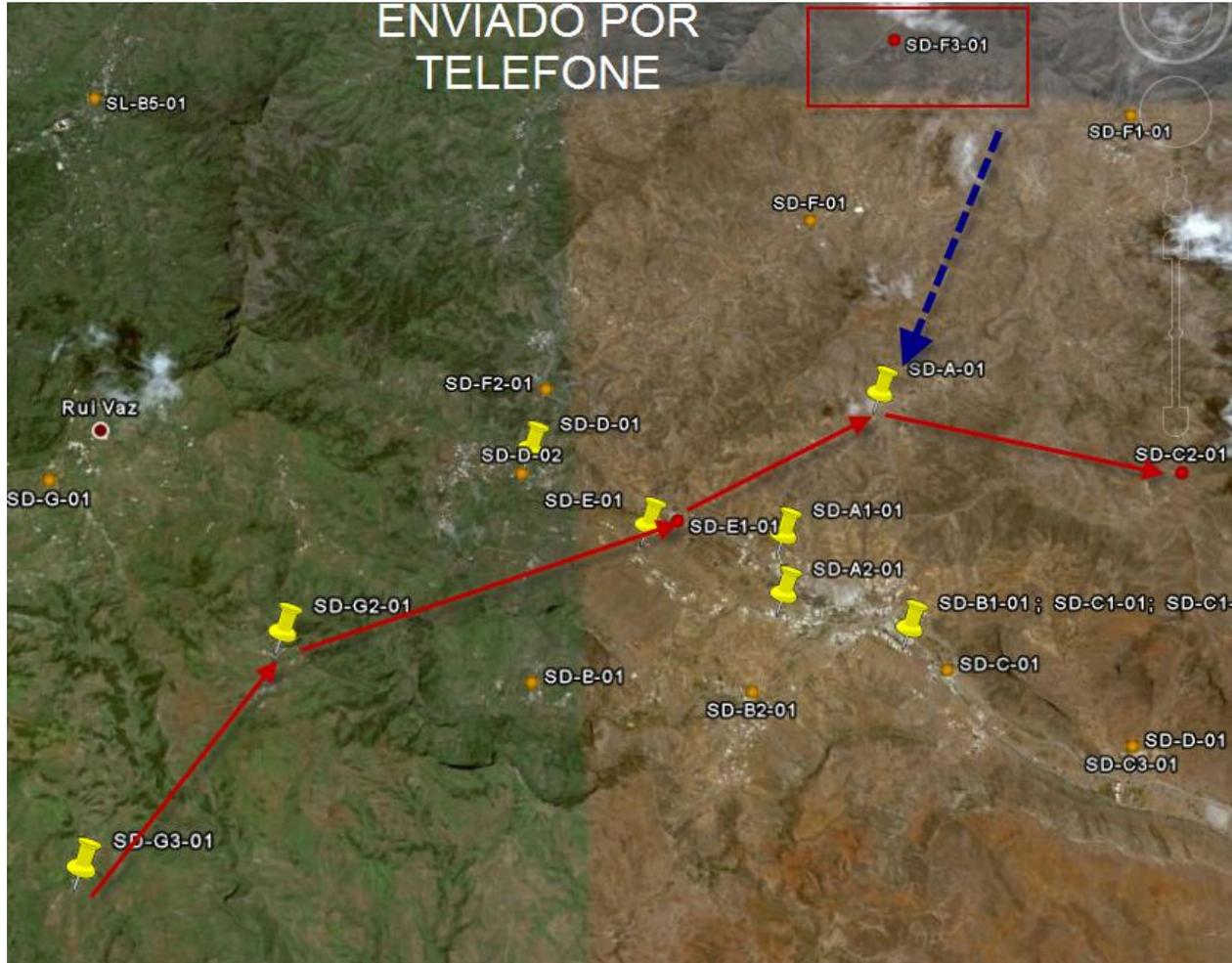
CONSULTE O SEU NOME NOS CADERNOS ELEITORAIS  
clique aqui »

Consulte a Lista dos Cadernos Eleitorais  
clique aqui »

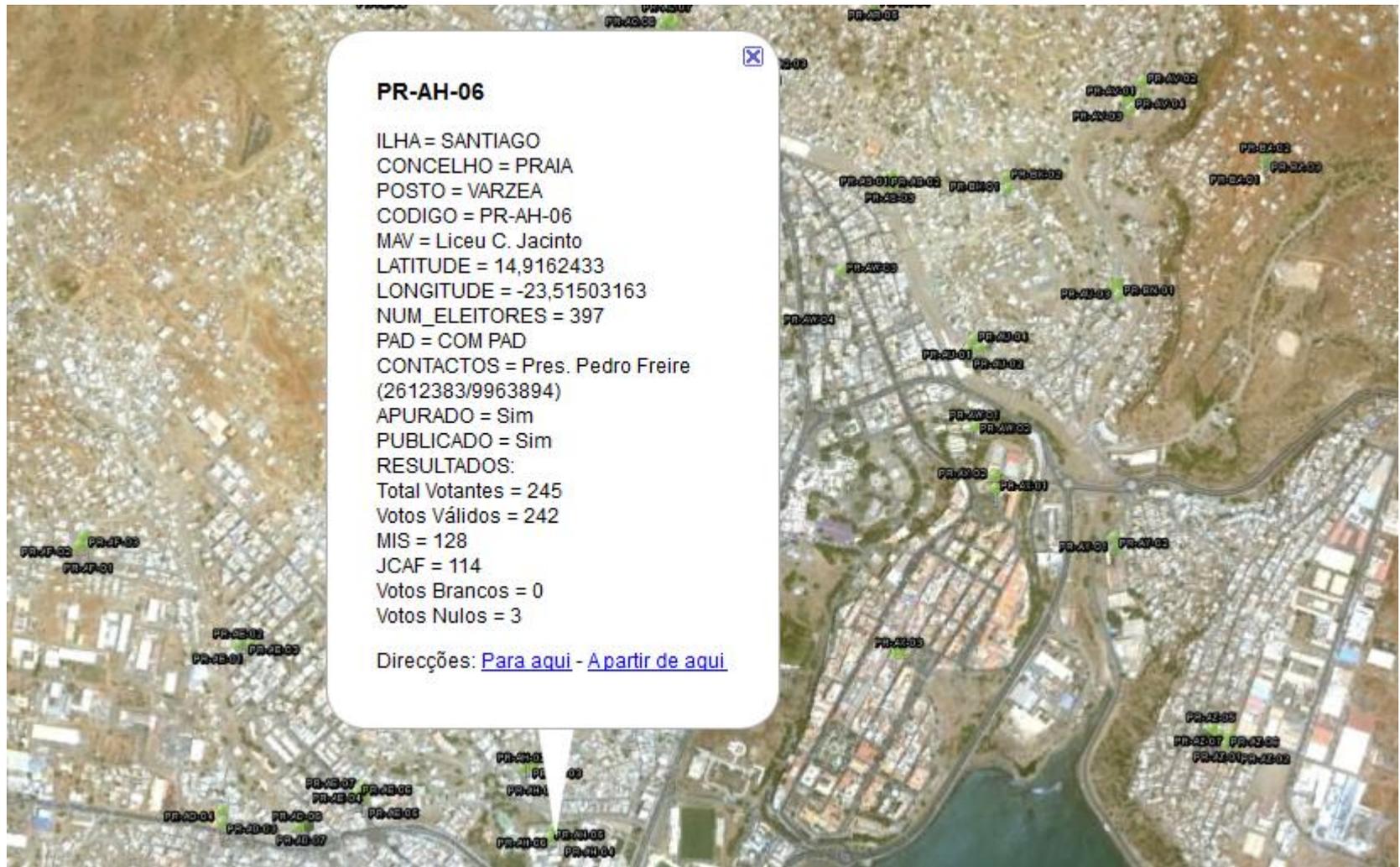
DESTAQUES



# Plan to send result reports



# Plan to send result reports



# Results Publication

The screenshot shows the website of the Direcção Geral de Apoio ao Processo Eleitoral (DGAPE). The header includes the DGAPE logo, the text 'DIRECÇÃO GERAL DE APOIO AO PROCESSO ELEITORAL', and a search bar. Below the header is a navigation menu with links: Home, DGAPE, Comissões de Recens. Eleitoral, Recenseamento, Esclarecimento Eleitoral, Eleições e Referendos, Links, and Contactos. The main content area features a banner for 'LEGISLATIVAS 2011 RESULTADOS PROVISÓRIOS' with a call to action 'Veja os Resultados Provisórios' and a 'clique aqui' link. To the right, there are two more call-to-action boxes: 'CONSULTE O SEU NOME NOS CADERNOS ELEITORAIS clique aqui' and 'Consulte a Lista dos Cadernos Eleitorais clique aqui'.

# Two hours



The banner features the text '2011 PRESIDENCIAIS ELEIÇÕES 7 DE AGOSTO RESULTADOS PROVISÓRIOS'. Below this, it says 'TERRITÓRIO NACIONAL E DIASPORA RESULTADO GLOBAL'. At the bottom, there are four portraits of men in suits.

# Conclusion

The deployment of the Tablet has result in a faster process of sending the voting results.

The representatives of political parties and citizens can check on line from TV and mobile.

Increase voter confidence"

[www.cne.cv](http://www.cne.cv)

[www.dgape.cv](http://www.dgape.cv)

[www.nosi.cv](http://www.nosi.cv)

Guevara Cruz

Business Manager at NOSI