

# Biometria.AR

“National Network of Biometric Information”



Jefatura de  
**Gabinete de Ministros**  
Presidencia de la Nación

for NIST 2011 – WASHINGTON/USA - OFFICIAL USE - NON RESERVED



# What about the ONTI ?

(National Office of Information Technologies)

## Mission

- ✓ Open Government , Digital Agenda & e-Government
- ✓ Computer Emergency Response Team (ArCert)
- ✓ Critical Information Infrastructure Protection
- ✓ Technological Standards for the National Administration



✓ **Biometrical Latinamerica**  
**Overview**  
**Leading Cases in the Field**

✓ **Biometrical Argentina**  
**Overview**  
**Biometria.ar Project**



COUNTRY	≈ SIZE
MEXICO	111,3
VENEZUELA	63,1
BRASIL	55,4
ARGENTINA	35,9
CHILE	15,8
GUATEMALA	15,1
EL SALVADOR	7,9
HONDURAS	7,5
COSTA RICA	6,6
URUGUAY	5,4
PANAMA	4,7
BOLIVIA	4,1
REP DOMINICANA	3,0
ECUADOR	2,7
JAMAICA	2,6
BAHAMAS	N/R
BARBADOS	N/R
PARAGUAY	N/R
PUERTO RICO	N/R
TRINIDAD Y TOBAGO	N/R

# LATINAMERICA

(from Mexico to Argentina)

**Countries Studied:**

19

**Biometrics Records available:**

291.5 million

**Projects in current development or to be developed:**

78

FUENTE: Estudios Propios (relevamientos propios en base a noticias de adquisiciones y proyectos en fuentes por prensa y difusión)



# LATINAMERICA

COUNTRY	≈ SIZE M	POPULATION M	RATIO %
MEXICO	111,3	108	103
VENEZUELA	63,1	29	217.5
BRASIL	55,4	191	29
ARGENTINA	35,9	40.1	89.5

## Highlights::

**A single individual recorded in different databases for different uses/objectives**

**There is no master biometric record for every transaction**

**Many biometric systems holding different options for enrollment and search**

**Multiple suppliers systems**

**No interAFIS/interABIS systems within the same country**

*FUENTE: Estudios Propios (relevamientos propios en base a noticias de adquisiciones y proyectos en fuentes por prensa y difusión)*



# ARGENTINA

**Population:** 40.1 million  
**Inhabitant/Registry Ratio:** 89.5%  
**Government:** FEDERAL – 23 provinces and 1 autonomous city

*LAW 17.6.71 : «Art.7 - ... assigning every individual an identification record, with an exclusive and unalterable ID number (...) There will be, at least, patronymic, numeric and dactyl files, according to the Argentinean Vucetich system or any other in line with future developments...»*

## **ID Documents:**

- National ID (DNI): Booklet for Voting and portable ID-Card
- Argentinean Passport



# ARGENTINA

## Borderline:

- ✓ **Chile:** 5.526 km with 80 control stands
- ✓ **Brasil:** 1.132 km with 14 control stands
- ✓ **Paraguay:** 1.737 km with 9 control stands
- ✓ **Bolivia:** 752 km with 5 control stands
- ✓ **Uruguay:** 493 km with 3 control stands

Land Borderline: 9.370 km ( 3 x USA-MEXICO )



Federal	FEDERAL ARGENTINEAN POLICE (PFA)	15 million forensic ABIS records (2010)	SAFRAN MORPHO
	FEDERAL PENITENTIARY SERVICE (SPF)	50 thousand ABIS records (2010)	GOLDENFINGER
	NATIONAL RECIDIVISM REGISTRY (RNR)	3 millions (update to 5 M) AFIS records (2010)	NEUROTECNOLOGIJA
	NATIONAL IMMIGRATION DEPARTMENT (DNM)	500 thousand ABIS records (PILOT-2010)	NEC
	CITIZEN NATIONAL REGISTRY (RENAPER)	Capacity to 15 million civil records	NEC
states	BUENOS AIRES	3 million forensic ABIS records	SAFRAN MORPHO
	CORDOBA	250 thousand forensic ABIS records	SAFRAN MORPHO
	CHUBUT	100 thousand forensic AFIS records	SAFRAN MORPHO
	LA PAMPA	90 thousand forensic AFIS records	SAFRAN MORPHO
	NEUQUEN	100 thousand forensic AFIS records	SAFRAN MORPHO
	MENDOZA	100 thousand forensic AFIS records	COGENT SYSTEMS

Actualizado a 2011 – febrero – Fuente: observatorio [www.biometria.gov.ar](http://www.biometria.gov.ar)





FEDERAL AGENCIES – CURRENT SITUATION

	INSTITUTION	DACTYL	FACIAL	IRIS	VOICE	SIG	OTHER (ADN/SMT)	PATRONYMIC
1	<b>General Citizen Register Office</b> RENAPER	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>
2	<b>Federal Argentinean Police</b> PFA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	<b>National Gendarmerie</b> GNA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
4	<b>National Coast Guard</b> PNA	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>
5	<b>Airport Security Police</b> PSA		<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
6	<b>National Immigration Department</b> DNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>
7	<b>Federal Penitentiary Service</b> SPF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	<b>National Recidivism Registry</b> RNR	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>
9	<b>Federal Public Revenue Administration</b> AFIP	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>
10	<b>National Social Security Administration</b> ANSES	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>





## CURRENT ISSUES AND CRITICAL POINTS

- **No communication among systems**
- **Possible duplication of biometrical records with multiple patronymic information**
- **No National standard for biometric interoperability**
- **No National standard for biometric equipment**
- **Most of national agencies have not yet digitized all biometric records to data formats suitable for automated applications**
- **Information backup is on tapes or paper with no Business Continuity Center**
- **No biometric centralized records to check for any “no name”**
- **COST: US Dollar prices do not reflect the true procurement capabilities in Argentina**



# BIOMETRIA.AR

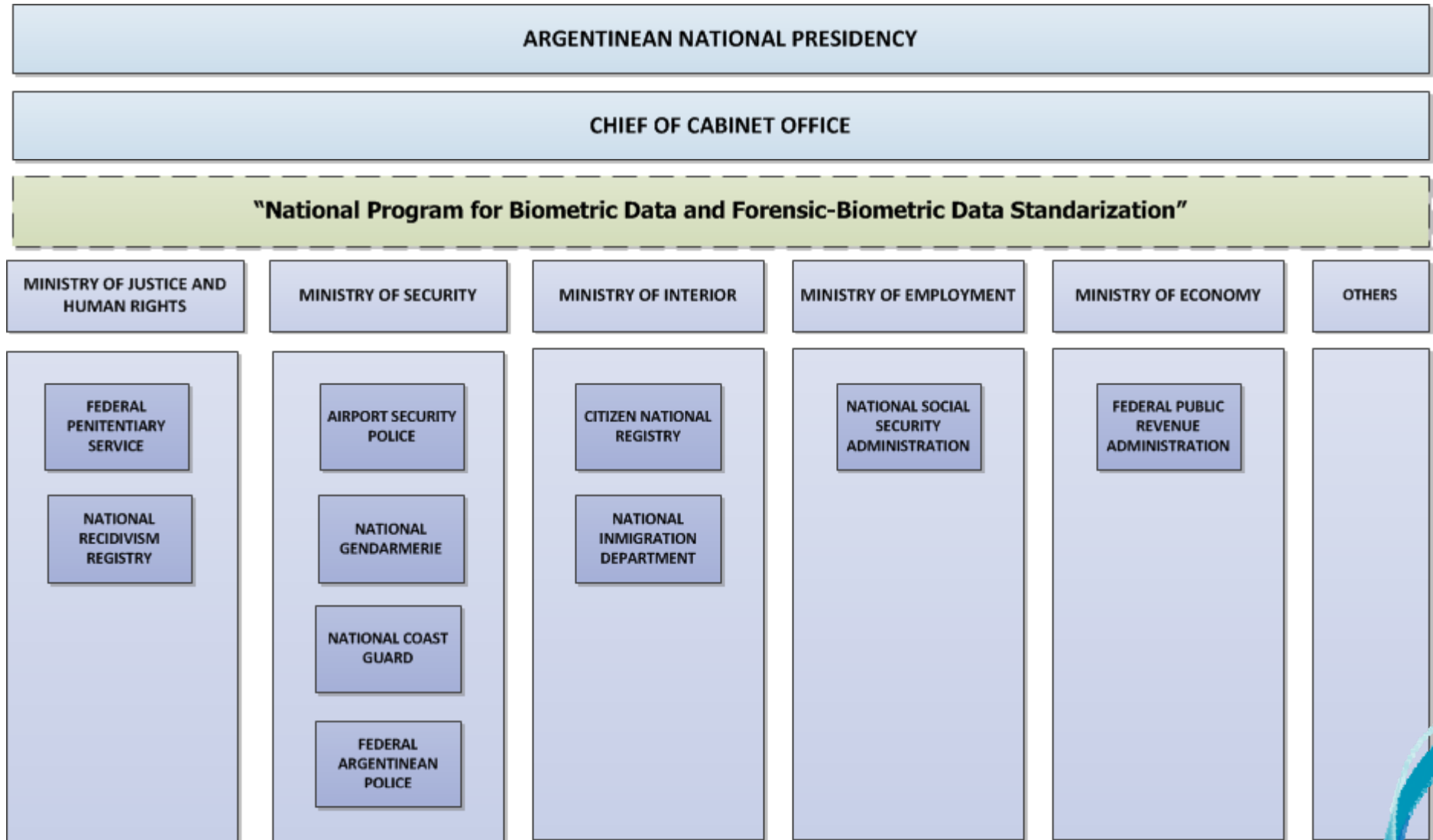
National Program for Biometric and  
Forensic-Biometric Data Standardization

TODAY we are working on...



# PROJECT «BIOMETRIA.AR»

SCOPE

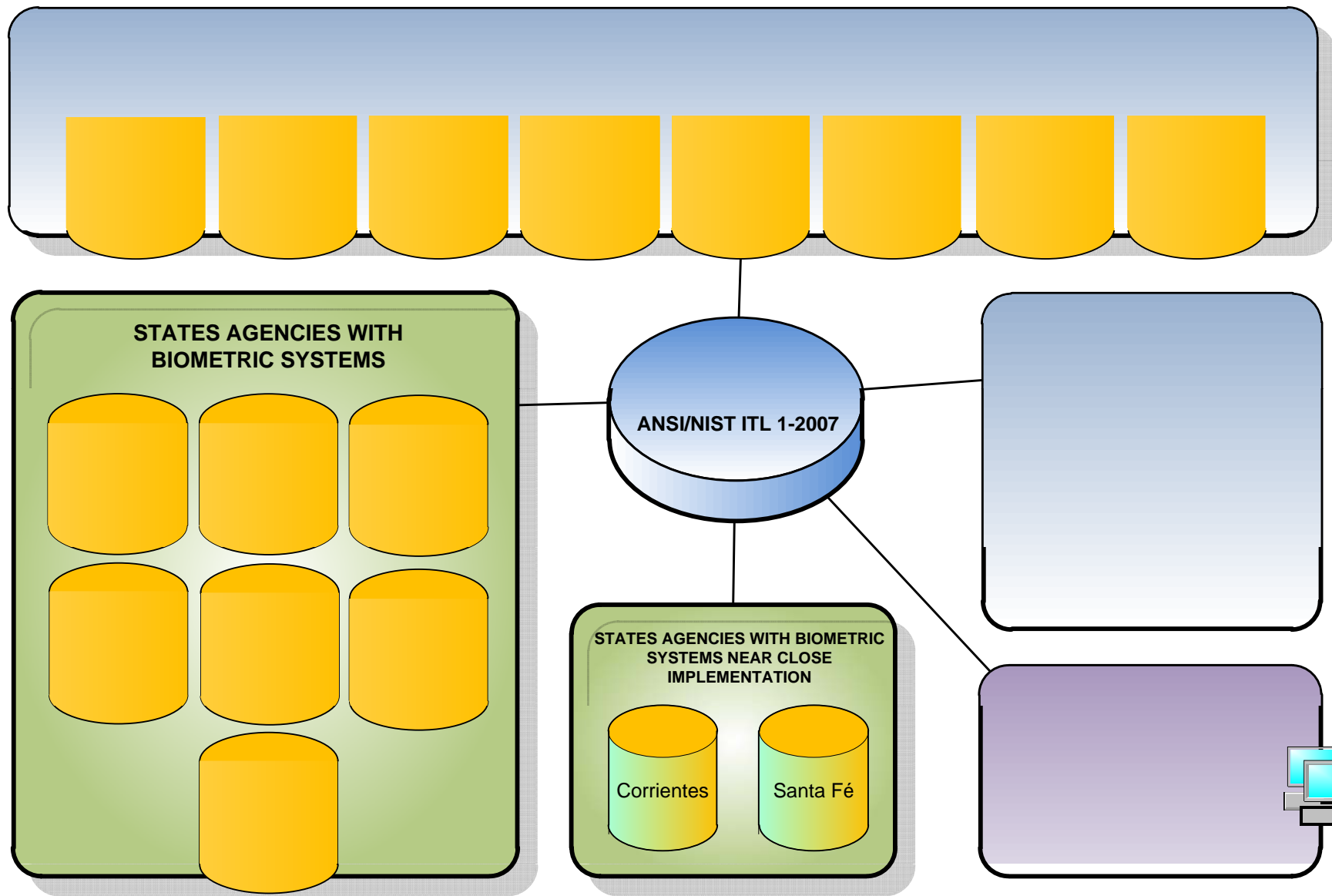


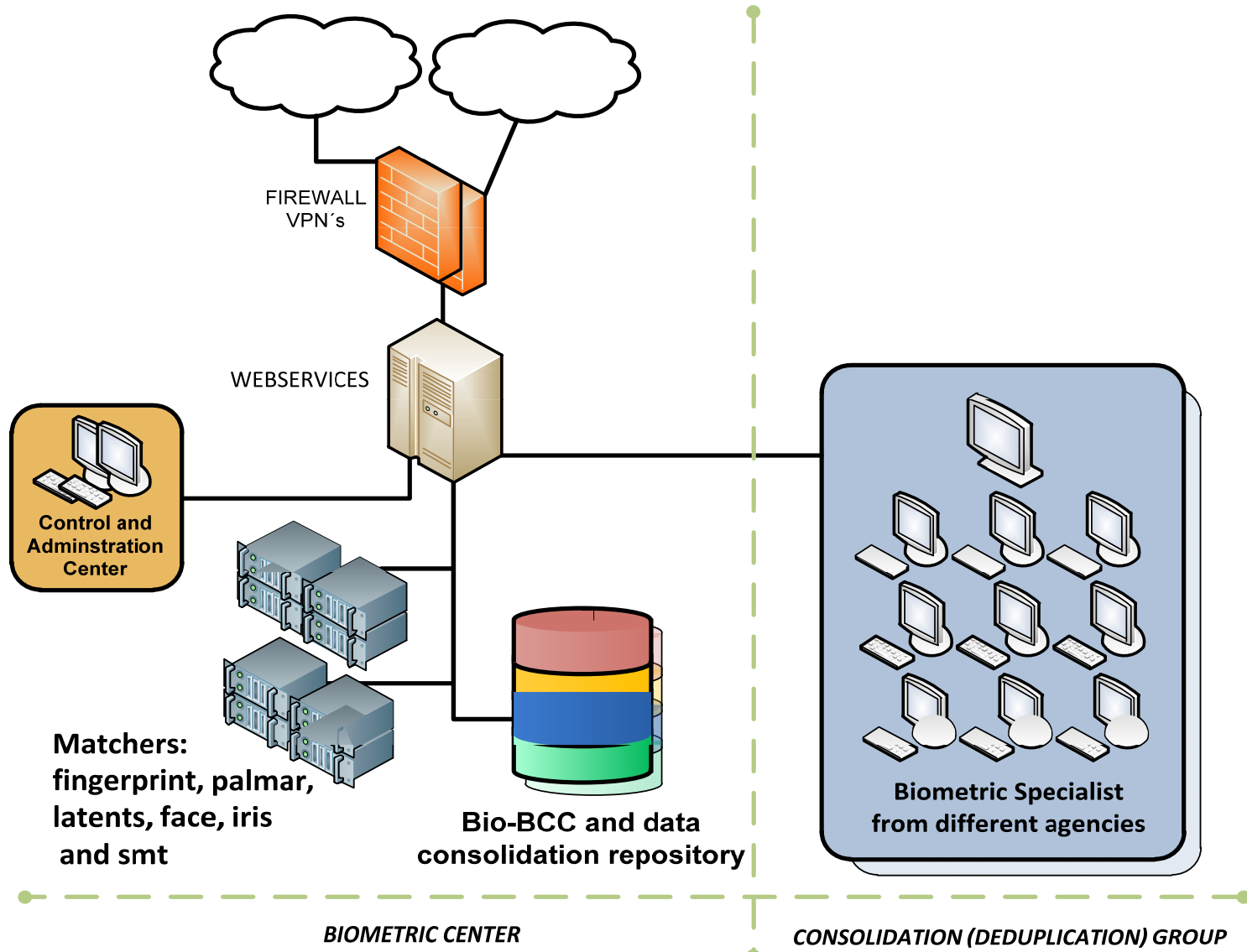


## CURRENT PROJECTS AND ONGOING ACTIVITIES

- To adopt and standardize XML interfaces for the biometric data interoperability
- To incorporate the FBI certification in the biometric hardware requirements for printing, digitization and live capturing in the Standards for the Federal Administration.
- To adopt and propose the implementation of a PIV (Personal Identity Verification) within the Federal Administration
- To develop a centralized biometric registry of dead NN´s (no names), NN´s found and missing
- To implement a Business Continuity Center to save critical biometric data.
- To develop and encourage compliance of the best practices guide for the digitization of biometric forms
- **Consolidating a single biometric identity**







Lunes 26 de Julio de 2010



INICIO EDITORIALES  
MÉTODOS ENLACES  
NOTICIAS CONGRESOS

BUSCAR  Buscar



**CIBRA IO** V Congreso Internacional de Biometría de la República Argentina  
29, 30 de noviembre y 1º de diciembre de 2010 | Hotel Panamericano, Carlos Pellegrini 551 | Ciudad Autónoma de Buenos Aires

Métodos Biométricos  
Conozca los avances en la tecnología biométrica



ACERCA DE LA BIOMETRÍA

- Historia de la Biometría
- Az Glosario
- Preguntas Frecuentes

ESTÁNDARES DE BIOMETRÍA

- Recomendaciones de los EE.UU.

PRÓXIMOS EVENTOS

- ANSI/NIST-ITL Standard Workshop

20/07/2010 MEXICO: Control de

20/07/2010 Universidad crea sistema

CHILE

5th CIBRA

CIBRA IO

V Congreso Internacional de Biometría de la





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**Gabinete de Ministros**  
Presidencia de la Nación



# Thank you

**Pedro Janices**  
National Director | National CIO | ONTI

National Office of Information Technologies

[pjanices@sgp.gov.ar](mailto:pjanices@sgp.gov.ar)

