

# Junta de Andalucía's Digital Interoperability Framework

## Goals:

- Freedom of software choice
- Reduce technological barriers
- Improve security, accessibility and transparency
- Preservation of knowledge
- Efficient use of ICT
- Sustainable electronic administration services
- Better public tenders (for Administration and for ICT companies)

# Scope

- **Internal:**
  - Regional ministries and agencies (G1)
  - Companies and public entities with Junta de Andalucía as main shareholder (G2)
  - Universities (G3)
  - Institutions funded by Junta de Andalucía (G&)

# Scope

- **External:**
  - Citizens
  - Companies and organizations
  - Provinces and municipalities
  - Other administrations (unless otherwise established by a higher law)

# Legal form

- **Decree**
  - Interoperability framework as an annex,
  - Revision and update enabled by procedure included in the decree
  - Not a mere instruction. Ability to enforce standards

# Use of free software

- **Whenever possible**
- **As a guarantee for interoperability**
- **For the preservation of knowledge**
- **To keep control over the services provided**
- **All software produced by Junta de Andalucía is free software (Orden de 21 de Febrero de 2005)**

# The framework

- **Priorities:**
  - 1/0 (ublic ser!ice
  - 2/0 1\$\$cienc%
  - "/0 se o\$ open standards
  - **Proprietary protocols and formats allowed only temporarily**
- **Degrees:**
  - 2 andator%
  - Recommended
  - 3i\$\$erent degrees are speci\$ied \$or di\$\$erent sectors

# The framework

- Proactive coordination of ICT departments (~20)
- Dynamic and collaborative evolution
- Electronic publishing, no paper-due delays
- Levels:
  - Technical (protocols and file formats )
  - Semantic (common and unambiguous language)
  - Organizational (procedures, services, information systems)



# Timeline

- All new information systems will follow the Interoperability Framework.
- Existing systems will be adapted within their own time frame, seeking efficiency as a main goal.
- Deadlines will be drawn for each system.

# Timeline

**By 31<sup>st</sup> December 2008 all document interchange internal, with citizens, companies, public and private organizations and other administrations should be done using free standards included in this framework.**

# Interoperability Platform

- 5 standardised development framework
- Service oriented software architecture (SOA)
- Integration through strict use of open standards
- Impact of internal use of proprietary formats and protocols reduced by the use of connectors and middleware
- Status of tender closed. Evaluation of proposals

# Sample

Uso/Servicio/Ámbito Funcional	Especificación	Información Técnica	G1	G2	G3	G4	Ent	Sal	Int	Ext	Estado
<b>CRITERIOS, NORMAS Y ESTÁNDARES QUE DEBEN REGULAR LA GESTIÓN ESTRATÉGICA DE LAS TIC, DE ASEGURAMIENTO DE LA INTEROPERABILIDAD EN EL ÁMBITO INSTITUCIONAL EN EL SENO DE LA JUNTA DE ANDALUCÍA</b>											
<b>Formatos de Intercambio de Documentos</b>											
	OpenDocume nt 1.0, texto (ODT, OTT)	ISO 26300 ( <a href="http://www.iso.org/">http://www.iso.org/</a> )	N	R	R	N	x	x	x	x	E
	OpenDocume nt 1.0, hoja de cálculo (ODS, OTS)	ISO 26300 ( <a href="http://www.iso.org/">http://www.iso.org/</a> )	N	R	R	N	x	x	x	x	E
	OpenDocume nt 1.0, presentación (ODP, OTP)	ISO 26300 ( <a href="http://www.iso.org/">http://www.iso.org/</a> )	N	R	R	N	x	x	x	x	E
	PDF/A-1	ISO 19005-1:2005 ( <a href="http://www.iso.org/">http://www.iso.org/</a> )	N	N	N	N	x	x	x	x	E
	PDF	<a href="http://www.adobe.com">http://www.adobe.com</a>	N	N	N	N	x	x	x	x	T
	HTML	W3C HTML 4.01	N	N	N	N	x	x	x	x	E
	XHTML	W3C XHTML 1.0	N	N	N	N	x	x	x	x	E
	TXT	ISO646 (ASCII 7 bits), ISO8859, Unicode 5.0, ISO 10646, RFC3629 (UTF-8) ( <a href="http://www.iso.org/">http://www.iso.org/</a> ) ( <a href="http://www.rfc-editor.org/">http://www.rfc-editor.org/</a> )	N	N	N	N	x	x	x	x	E