



# Extremadura Approach for Internet Accessibility to Citizens

## “The Broad Band Policy in Extremadura”



**Regional Ministry of:  
Infrastructure and Technological Development**

**General Direction of Telecommunications and Networks**



# Extremadura's Model: origins of the Regional Strategy

## Regional Data

Location: South- West

Surface: 41.634 Km<sup>2</sup>

No. of inhabitants: 1.070.244

No. of Municipalities: 383



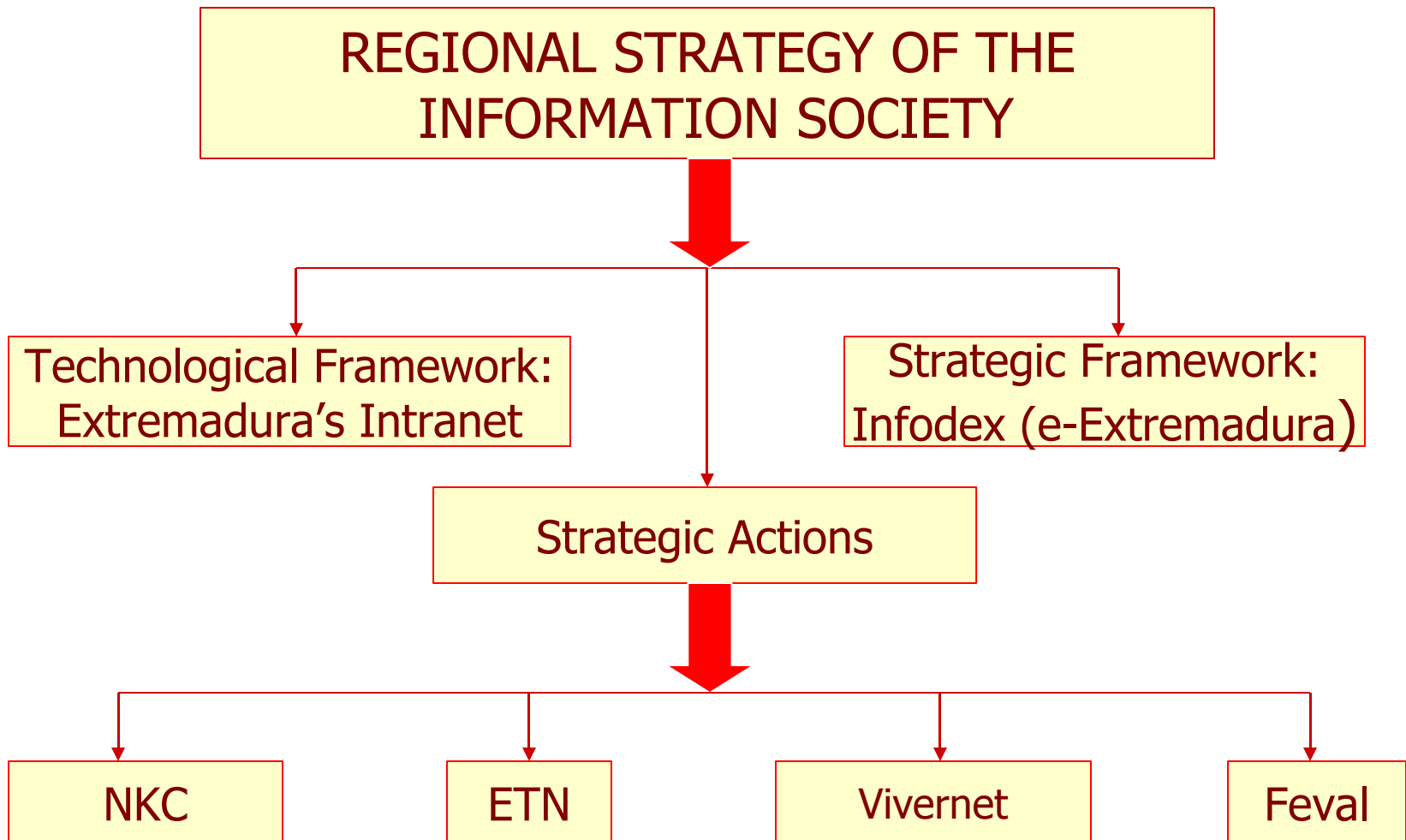
## Extremadura's Model: origins of the Regional Strategy

- ✓ In 1997, **Regional Strategy of Information Society for Extremadura (Infodex European Project)**.
- ✓ 1998. The President of Extremadura's Regional Government proposes an strategy for the **Regional Development Model** taking advantage of the possibilities offered by the "New Information and Communication Technologies" (NICT's).
- ✓ In 1999, "**Director Strategic Plan for the Development of the Information Society in Extremadura**".

## Regional Strategy of the Information Society

- ✓ **The strong and resolute support from the Extremadura Autonomous Government towards the development of the Information Society in the Region promotes the definitive consolidation of the Strategy, establishing the following steps:**
  - **Restructuring of the Regional Ministry of Education, Science and Technology. By Decree 4/1999, 20th July.**
  - **The labour of the Regional Ministry regarding Information Society is articulated and promoted through the activity of two Regional Ministries: Information Society and Telecommunications and Networks.**
  - **Design, within the Regional Strategy, of a Technological Framework, an Strategic Framework, and a number of Strategic Actions that consolidate the action lines of Connectivity and Technological Literacy.**

# Regional Strategy of the Information Society



# The Technological Framework

## ✓ Extremadura's Intranet :

- An Advanced Telecommunications Services Infrastructure intended to modernise:

1.- The Administration (***Administrative Virtual Network***)

2.- The Education Centres (***Education Tecnological Network***)

3.- Health System (***Health System Virtual Network***)

# The Technological Framework

## ✓ Objectives:

- To Guarantee the **Connectivity**. Accessibility for all.
- To Facilitate the **Technological Literacy**
- To Promote the health system
- To Modernise the administrative processes

In short, the objective is to provide advanced telecommunications infrastructures to articulate a **New Model of Socio-Economic Development** able to incorporate the ICTs to the activity sectors.

## The Proposal

- ✓ We tried to contract a **Telecommunications Advanced Services Network** with the following characteristics:
  1. **Voice Services:** connection of all the administrative buildings, education and health centres (once assumed the competences)
  2. **Data Services:** Connection of 1478 points in administrative and education buildings (first phase). The **Minimum Broad Band is 2 Mbps** in all points.
  3. **Mobile Telephone Service:** a coverage of more than 90% was requested, messages services, integration in the Data Network and migration to GPRS and UMTS new technologies.



# Compromise of the Proposal

- ✓ To create this Broad Band Network infrastructure:
  1. The **Operator** acquires the compromise of making the necessary **inversions** for the deployment of the Network (66.2 million Euro)
  2. The **Operator** acquires the compromise to use the **most appropriate technology** able to offer the agreed services.
  3. The **Operator** proposes the total costs for hiring their services
  4. The **Extremadura Autonomous Government** acquires the compromise to **fidelise its consumption** with the selected operator.

## The results

### The competition for the award of the Broad Band Services Network:

-Is awarded to **Retevision S.A.** due to the technological solutions, the inversions, the implementation period and providing with the requested broad band.

### The competition for the award of the Mobile Telephone Services:

-Is awarded to **Telefonica Servicio de Moviles** due to the coverage level, the whole of the offered services and the price.

## The added value of the Intranet

- ✓ ***Town Councils, Businesses and individuals will benefit from the infrastructures of this network, with a previous agreement with the operator.***
- ✓ ***Citizens from the smallest and most isolated villages in this wide region will be able to access to services that at this moment are only available for some towns or cities.***

## The Strategic Framework: Infodex, e-Extremadura

### The objectives are:

- ✓ Creation and adaptation of the digital contents for the Intranet in Extremadura.
- ✓ Distinctive technological literacy.
- ✓ Promotion of a new enterprise and labour culture.

## The Strategic Framework: Strategic Actions

- ✓ **Educational Technological Network:**  
153.287 students. Objective: 1PC per two students in 2005.
- ✓ **New Knowledge Centres:** 34 literacy centres. Located in rural areas and in the less favoured suburbs of “big” cities.
- ✓ **Vivernet:** IT business incubator.
- ✓ **Feval:** Business fair – transition to e-commerce.

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## Objectives / Problems

- ✓ **To extend the E.T.N.**
- ✓ **To extend the NKC's**
- ✓ **eAdministration (new services via ICT)**
- ✓ **To guarantee the right of accessibility**

**How to sustain the regional strategy?**

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## Free Open Source Software / gnuLinEx

- ✓ **Cost (30 mill. Euro saved)**
- ✓ **Adaptability**
- ✓ **Feasibility**
- ✓ **Security**

**“”Be legal, copy gnuLinEx”**

## Conclusions

- ✓ **The Public Administrations must promote policies which contribute to the integration of the citizens in the Information Society.**
  
- ✓ **These policies should guarantee:**
  - **The access of all citizens to NICTs (Accessibility).**
  - **Technological Literacy.**
  - **The approach and improvement of the administrative and health services for all the citizens.**
  - **The improvement of the productive process.**



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# Extremadura IS Strategy

**Dakujem**  
**Thanks for your attention**

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