



**JUNTA DE EXTREMADURA**  
Consejería de Infraestructuras y Desarrollo  
Tecnológico

***EXTREMADURA STRATEGY ON  
INFORMATION SOCIETY:  
e-Accessibility for Social Inclusion***

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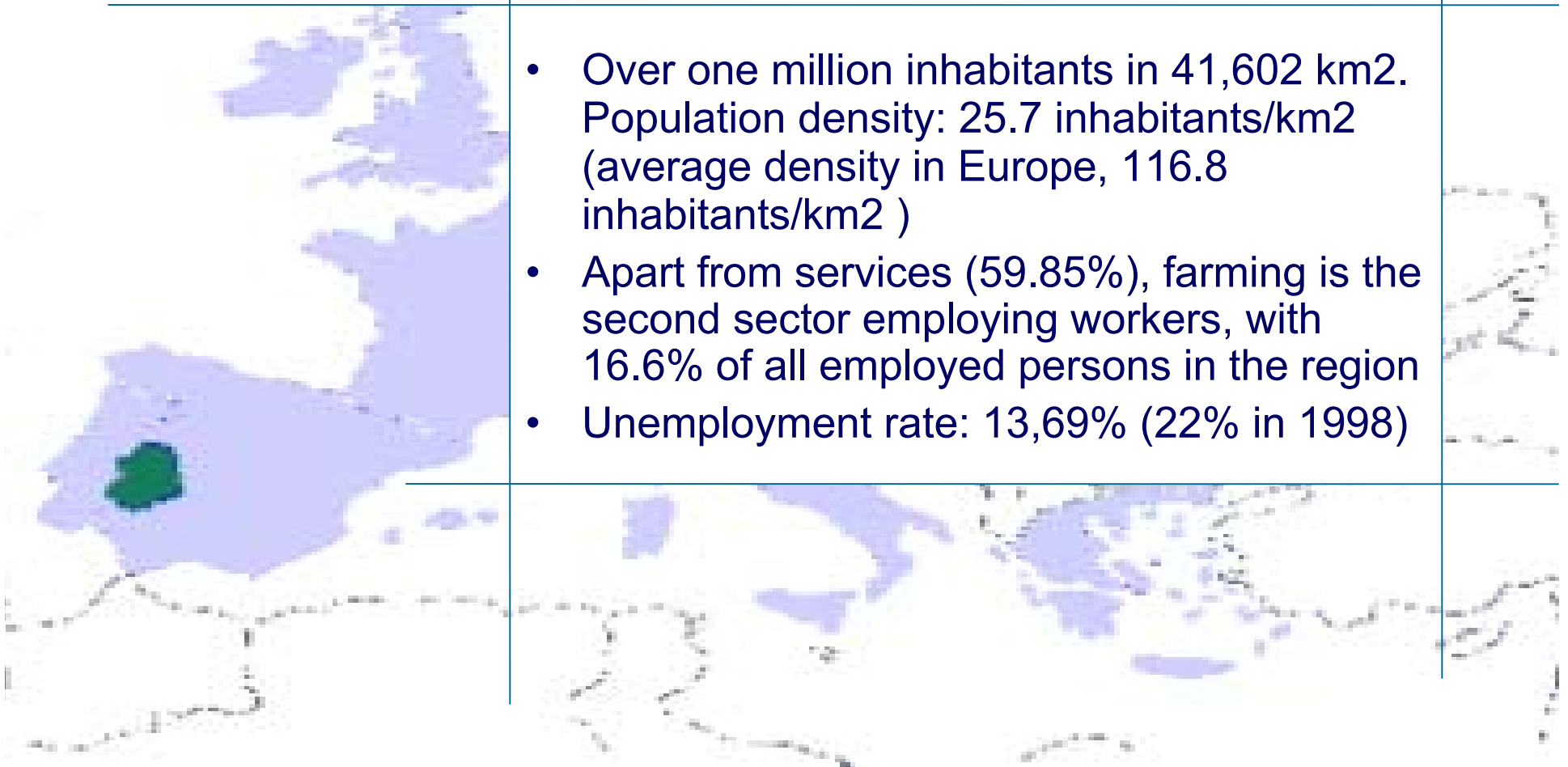
Centre of New Initiatives - FUNDECYT

Regional Ministry on Infrastructures and Technological Development


Regional Government of Extremadura

# Extremadura

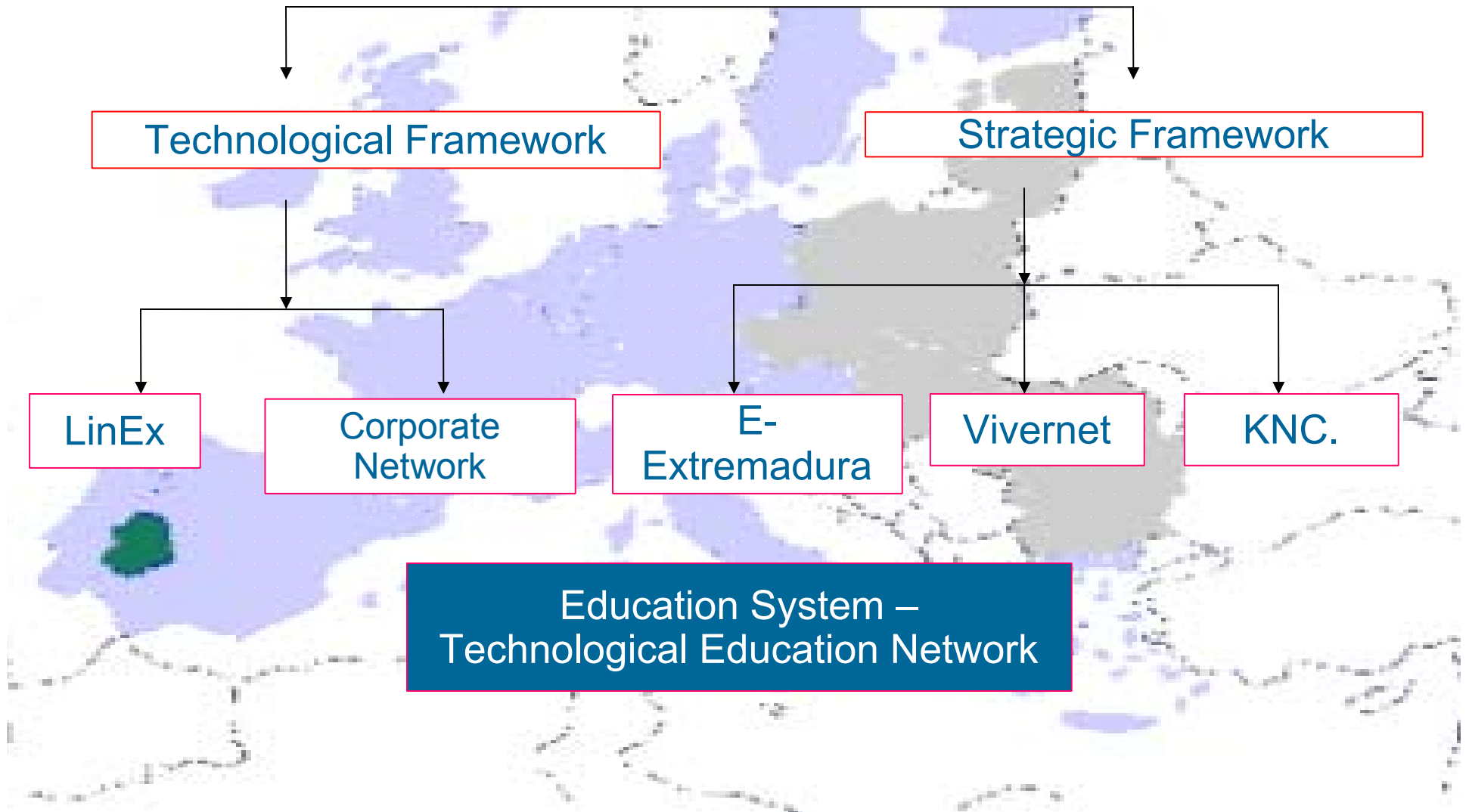
- Over one million inhabitants in 41,602 km<sup>2</sup>. Population density: 25.7 inhabitants/km<sup>2</sup> (average density in Europe, 116.8 inhabitants/km<sup>2</sup> )
- Apart from services (59.85%), farming is the second sector employing workers, with 16.6% of all employed persons in the region
- Unemployment rate: 13,69% (22% in 1998)



# Key issues

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- Accessibility for all. Internet as a public service.
  - Technological Literacy.
  - To promote new models of business and a new labour culture.

# Regional Strategy

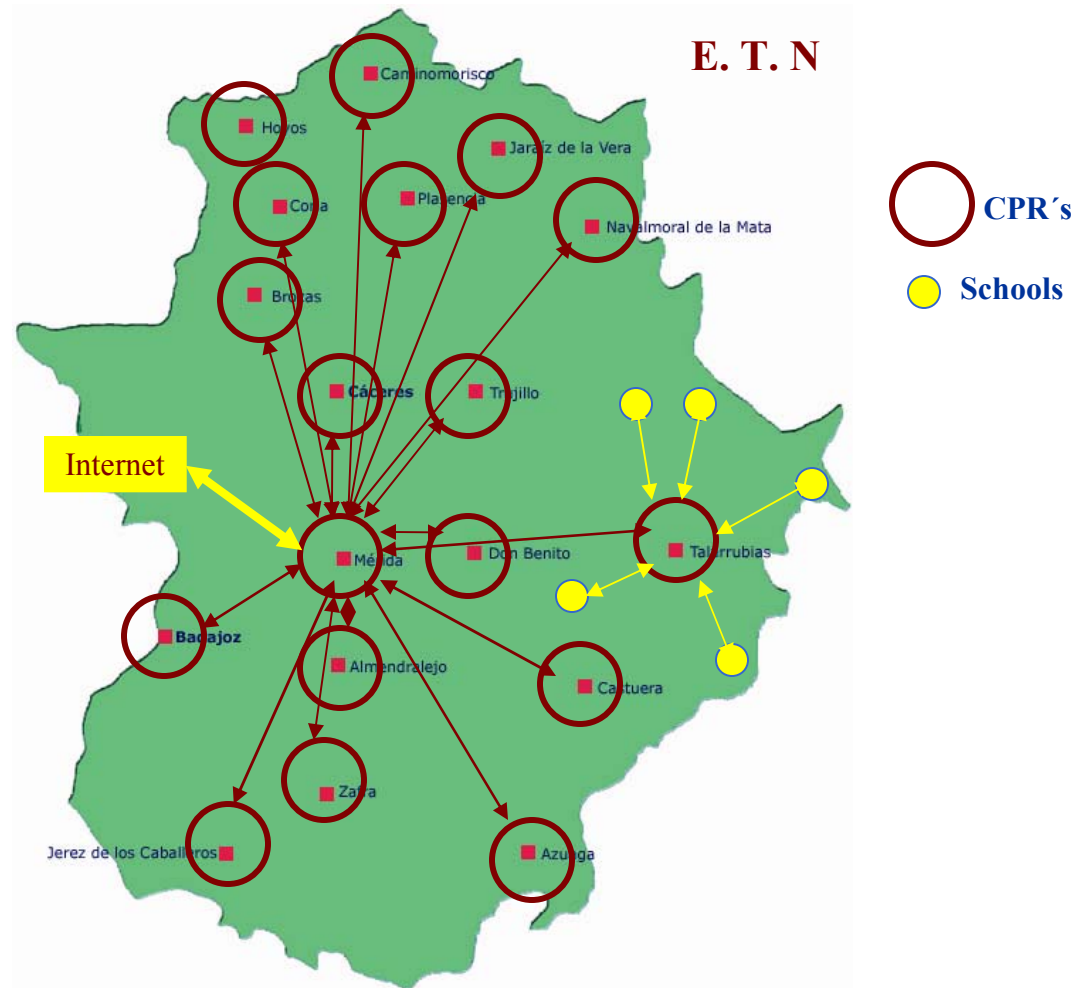


# Technological framework

## Objectives:

- To guarantee the connectivity.
- To modernize the administrative process.
- To facilitate the technological literacy.
- To enable the eHealth Services.
- The objective is to provide advanced telecommunications infrastructures to create a New Model of Socio Economic
- Development to incorporate the ICT to all sectors of activity.

# Education Technology Network



# Education Technology Network

- The Regional Government has the exclusive competences on Education since 2001.
- Objectives:
  - To transform traditional didactic methods incorporating the new information and communication technologies.
  - To create a collaborative space between teachers and students, to make them participate in the educational community and in to develop their own e-content.



# Indicators 2005

## Education Technology Network

- Pedagogical Adviser Staff belonging to the Resource and Teacher Centres in the Region Extremadura: 150
- ICT Adviser Staff belonging to the Resource and Teacher Centres in the Region Extremadura: 22
- Schools: 808
- Teachers: 20.526
- Students: 213.661
- University Teachers and Professors: 20.526
- Desktops: 78.000



# Education Technology Network

- Objective 2003:
  - Ratio of 1 computer per 2 students in Secondary Education,
  - Ratio of 1 computer per 5 pupils in Primary Education
- In may 2003, all schools completed this ratio.
- 100% of schools have own web sites.
- 100% of schools introduce ICT's at their School Educational Curricula.



# Education Technology Network

Technological  
Classroom in the  
High School in  
Arroyo de San  
Serván



# Education Technology Network

Teachers and students at the High School in la Roca de la Sierra.



## Regional Broadband (Regional Intranet) added value

- Local administrations, enterprises and citizens could benefit of the intranet infrastructures through agreements with the operator.
- The inhabitants of the smallest and isolated villages could have access to the services that nowadays are only provided to inhabitants in major cities.

At the end of 2 005 the commercial broadband network was finally been accomplished, thanks to agreements with the Regional Government

## gnuLinEx Cost

∇

<u>Software development.</u>	71.530,06 €
<u>Software technical support</u>	11.000,00 €
<u>LinEx Server</u>	77.089,65 €
Local servers.	33.943,13 €
<b>Total</b>	<b>193.562,84</b>

A saving in Education of **30 M€ per year in 2 004**

**A potential save of more than 60 M€ per year in all administrative bodies.**

# Migration to gnuLinEx and adoption of Open Standards

August 2 006, decision adopted in Government High Committee:

- In adopting **open standards** in all information exchanges between regional administration bodies (**OASIS and PDF when required**)
- Progressive adoption of **Free/Open Source Software (gnuLinEx)** in all administration bodies:
  - By the moment the Regional Ministries of Education, Culture and Infrastructures and Technological Development are fully migrated.
  - The full migration will be accomplished by the end of 2 007

## Conclusions:

The public administration must stimulate policies that contribute to the e-inclusion of all the citizens.

These policies must guarantee:

- Accessibility to all citizens.
- Digital literacy to ensure the use of those new technologies by all citizens.
- The improvement in rural areas of all administration, education and health services.
- The improvement of the productivity of rural areas thanks to innovative businesses.



***Thank you very much for  
your kind attention***

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