



# **digital library**

DEAN Project

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# Motivation

- Everybody as part of the world, has a responsibility to build DL to disseminate human knowledge.
- Improvement of global society conditions.

# Innovation

- No need to centralise knowledge
- Possibility of participating in the creation of general knowledge
- Reproduction of data at no cost
- Dissemination at no cost

# Vision

- For the first time in history, all the significant works of mankind can be digitally preserved and made freely available.
- Access to our cultural heritage will improve the global society in ways beyond measurement.
- The Internet can house a Universal Library that is free to the people.

# Who has this vision

- The Library of Congress
- The Guttenberg project [www.gutenberg.org](http://www.gutenberg.org)
- The universal DL project <http://www.ulib.org/>
- The world DL project [www.wdl.org](http://www.wdl.org)

# Mission

- The mission is to create a Digital Library which will foster creativity and free access to all human knowledge.
- Preservation the DL
- Protect the integrity and availability of the data
- Resources will be available 24x7 to everyone

# How to carry out our mission

- Special importance of librarians work
- Distributed networks to create content
- Distributed networks to distribute content (technical)
- Use of free software



# **Who can carry out this mission**

- Everybody ;-)

# Technologies

- OCR (optical character recognition)
- Machines able to house and mirror the DL
- Machines able to translate, index, retrieve information
- Communications to access
- Free software

# Goals

- Capture of all books
- Improved scanning techniques
- Improve OCR
- Cataloguing of books
- Accomplish international standards, interoperativity
- Guarantee access through any o.s or platform.
- Be custodians of our knowdledge

# To think about

- Digital resources are at their best when facilitating access to information and weakest when assigned the traditional library responsibility of preservation.
- Durability of the medium is the need to keep the data fresh and encoded in readable file formats.
- Improve research, semantic web???

# Tendencies

- Create one whole DL
- Distributed work
- Use social networks to cooperate
- Software interoperation thanks to ICT
- Read books in several devices (ebook, iphone, psp)
- If needed to buy ebooks it'll be cheap
- Development of free software to cover needs

# Proposal - Do it yourself ;-)

- Create a DL based on the work done in DEAN project
- Digitize X books
- Definition of the DL structure
- Create the DL structure
- Create metadata on digitized books
- Create access interface (static web page)
- Make sure that web international standards are accomplished
- Create documentation of the process (text, audio, video)

# Why?

## Do it yourself ;-)

- Learn by doing,
- Understand what it really means to create a DL
- Learn to become a basic “librarian”
- From the pedagogical point of view,
  - use the nodes network to exchange ways of doing
  - learn how-to cooperate
  - Learn how-to work in a distributed way
- Learn the ICT software that will help us to work as a network

# Digital Library Definition

- *Organismo o parte de él cuya función principal consiste en constituir colecciones de objetos digitales, mantenerlas, actualizarlas y facilitar el uso de los documentos digitales que precisen los usuarios para satisfacer sus necesidades de información, investigación, educación o de esparcimiento, contando para ello con personal especializado*



# How?

## Do it yourself ;-)

- Get a hosting
- While digitization is taking place, use blogs to exchange experience(wordpress, drupal), implement a social network ??
- When decided DL structure implement it as a tree of directories
- Create web interface to access using web standars, bear in mind metadata standars, accesibility standars.
- Create backup system
- Search for DL free software that could fit DEAN DL