History
Society, Technology
and Network Development
An exposé of the most unknown face of the Internet

El The content of this doctoral thesis consists of a detailed study of the facts associated with the design and later development of the technologies that support the Internet.

It has been prepared by collecting, compiling, and summarizing a fairly exhaustive set of materials – many of which have never been published. The document seeks to provide a broad and detailed description of (1) the major milestones in the development of the Internet and (2) a comparative analysis of the different technologies used to provide Internet access. In this last, the thesis evaluates the different technologies along the dimensions of technological and commercial suitability.

In all cases, the validity of the material used and the associated "facts" have been verified by conducting multiple interviews with their authors and cross-referencing them for internal and external consistency.

Specifically, the document consists of four broad themes:

❖ **Internet Prehistory (1964-1994):** A description of the events affecting the Internet over this period. Much of the associated material has never been published in Spanish. This section also includes a description of the events associated with the evolution of online services in Spain, which has been split into two sections:
1984-1994 Pioneering online information services and Pre-Internet Networks.
1995-2002 Spanish development of the Internet from its inception until its present state

❖ **Technological Trends**: A comparative analysis of the different technologies – past, present, and future - used to access the Internet.

❖ **Untold Stories of the Internet**: A description of the evolution of the Internet extracted from the content of interviews, conducted by the thesis author, of the 64 individuals (domestic and international) who most influenced the development of the early Internet and Spanish pioneers.

❖ **Legal Régime of Internet**: A compendium of Spanish law that deals with the regulation of the Internet and associated technologies including laws related to the liberalization of the telecommunications markets and to the management of / pricing for Internet access networks - free access, flat rates and capacity interconnection models.

APPENDICES:

PERIODICAL ARCHIVE:
A digital compilation of a many articles related to the Internet since 1994 (Note: Over 2000 articles have been placed within a database with appropriate indices).

INTERNET DEVELOPMENT TIMELINE:
A database of key Internet development milestones that includes a description of the event, the date, and the people involved.

MARKET ANALYSIS:
An exhaustive analysis of the development of the Spanish ISP Market including the pricing evolution of over 600 Spanish Internet Service Providers (1994 - 2001) and their gradual disappearance - consolidation.

GRAPHICAL HISTORY:
Compendium of images detailing the evolution of browsers, web-page design tools, and connection wizards of different ISPs

DICTIONARY OF INTERNET TERMS
An over 2.500 entry dictionary detailing (in a divulging language), the main technical terms, industry-leasing companies, visionaries, and key dates & milestones.