ERDDS — The European Radiological Digital Data System setting up

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ERDDS

Programme: DG INFSO; Econtent- AL1: improving access to and expanding use public sector information.

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Duration: 24 months

Coordinator: Azienda Ospedaliera Careggi, General Direction and Radiological Department, Florence (I)

Partners:
IMS - Istituto di Management Sanitario Spa (IMS) (I)
Società Italiana di Radiologia Medica (SIRM) (I)
Sociedad Espanola de Radiologia Med (S)
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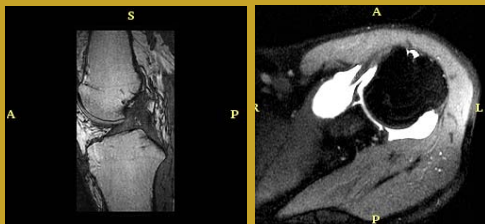
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www.erdds.com

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SUMMARY

The main objective of the ERDDS project, financed by the EC (eContent Programme EDC-11161 ERDDS /28669), is to collect and reuse digital information available from the Radiology Department throughout the EU, in order to define a reference European Radiological Classification system in the medical and administrative domain, and to set up a European radiological digital data integration framework.

Medical Imaging did not experience, so far, a real breakthrough, mostly due to the lack of commonly accepted European radiology classification and taxonomy systems.

ERDDS addresses this relevant limiting factor and will:

* Make available, disseminate and support exhaustive information in the radiological sector, through its portal, with a simple and easy-to-use interface

* Define a unified European radiology framework, based on a glossary and the classification of Medical Imaging services

* Facilitate the creation and the growth of a European teleradiology sector

* Support integration and re-use of public sector medical knowledge.

THE PROJECT

ERDDS main objective is to define a set of software services based on a common European Radiological Nomenclature, to be taken as a reference both in medical and administrative domain.
The ERRDS services will:

* Support integration and re-use of public sector medical knowledge, in order to facilitate the creation of pan-European radiological digital data collections for professionals, sector actors, policy makers and citizens.

- Make available, disseminate and support information and data for benchmarking, evaluation and standardization of radiology workflow and performances, including the fares comparison among different EU healthcare systems.

- Define a unfired European radiology framework, based on a glossary and classification of Medical Imaging services, with a standardized, multilingual and integrated approach to support the RIS (Radiological Information System), and HIS (Hospital Information System)

- Facilitate the creation and the growth of a European teleradiology sector, enabling contacts and providing services to public institutions and citizens, among different European Countries.

- Create a European data collection of public sector medical data information including benchmarking, evaluation and standardization of radiology workflow and performances.

ACTIVITIES

The project includes the following activities focused on the radiological data analysis and classification, and the design of the software services:

- Analysis of the different legislations, administrative rules, radiological classification and radiology workflow, in the different participant national health systems

- User requirements analysis focused on the definition of the needs and the specification of the services which need to be developed on the basis of the data, information and knowledge available

- Analysis of business and operational model and analysis of market potential. This analysis will be done both in the private and in the public sector, and will allow a detailed specification of the operational and business model to be followed in the services deployment

- Design and the implementation of the IT infrastructure needed to support the service model defined

- Test and demonstration of the results of the project to allow its evaluation, in a real context, and the detailed definition of the exploitation activities, to be performed after the project termination

- Awareness and dissemination managed by radiology scientific societies, through dissemination initiatives such as European workshops

- Analysis of a potential utilization both in the private and in the public health sector, and definition of the activities required to introduce the standardised and homogeneous classification system into the different RIS (Radiological Information System), PACS (Picture Archives and Communication System and HIS (Hospital Information Systems)