Article 3 : Evolution of data Modeling for databases

The author analyses and tries to explain the development and evolution of databases. In the 60s there was the birth of several new data concepte and model (example: Candide, Daplex...).

This text shows the importance of data modeling in several fields of current activities such as architecture, electricity or other.

The text explains that a data model that gives a general framework for a database and application modeling is a specific description of the data for each particular database.

Since then, there are several types of languages for each

data model (DDL/DML).

The text also proposes and highlights a joint design model for a database schema whose schemas are integrated into a global model.

The article also explains the classification of data models according to the steps of the database design process there are different design: conceptual, logical and physical.

The article also discusses the classification of model data according to its applicability to the different stages of the database design process.

The text explains that the relational model that provides a mathematical basis for data modeling, this model is widely used today in commercial applications for example.

However, this relational model does not present all the information of the databases, so an entity- relationship model is developed to better understand the database design ( which is a semantic data model).