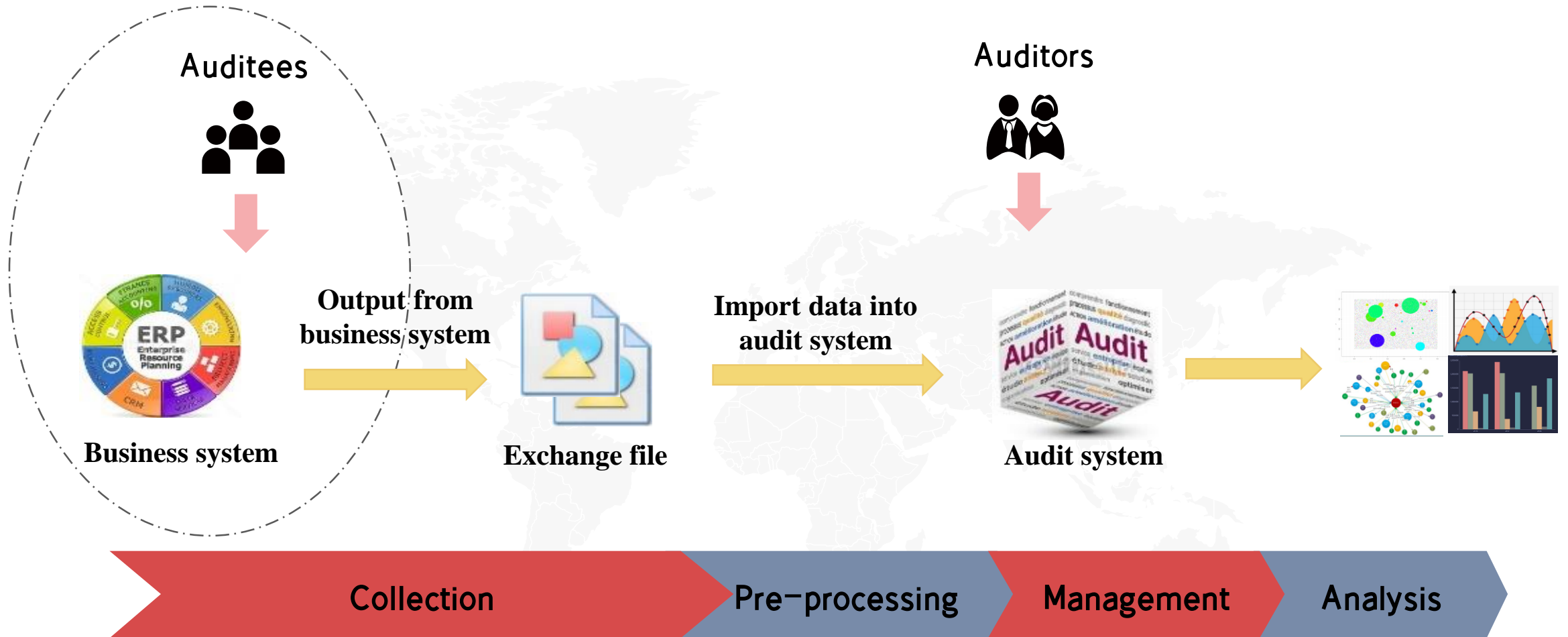


# General Process of Audit Data Services



**What's the role of data model in audit data services?**

# First: What is data model? ISO' s view

We have found 57 results about data model by searching in the “terms and definitions” item in the above website.

We sought 7 main definitions listed in the table. The orange are what I think most related with us.

## Data Model

1

**Definition:** graphical and/or lexical representation of data, specifying their properties, structure, and inter-relationships

**ISO Standard:** ISO/IEC 11179-1:2015 ; ISO/IEC 20006-1:2014 ; ISO 26162-1:2019 ; ISO/IEC 2382-36:2019 ; ISO/TR 17185-3:2015 ; ISO/IEC 19778-1:2015 ; ISO/IEC 16350:2015

2

**Definition:** abstract representation of an XML document defined by this part of ISO/IEC 19757

**ISO Standard:** ISO/IEC 19757-2:2008

3

**Definition:** representation of the specific information requirements of a business area

**ISO Standard:** ISO 22307:2008

4

**Definition:** set of constructs that provides the definition, structure, and format of data, whether physical or abstract in the sense of being bound to some recording medium

**ISO Standard:** ISO/TS 18876-1:2003

5

**Definition:** graphical and textual representation of analysis that identifies the data needed by an organization to achieve its mission, functions, goals, objectives, and strategies and to manage and rate the organization. A data model identifies the entities, domains (attributes), and relationships (associations) with other data and provides the conceptual view of the data and the relationships among data. [key style]

**ISO Standard:** ISO/IEC/IEEE 31320-2:2012 ; ISO/IEC 25024:2015

6

**Definition:** pattern of structuring data in a database according to the formal descriptions in its information system and according to the requirements of the database management system to be applied

**ISO Standard:** ISO/IEC 2382:2015

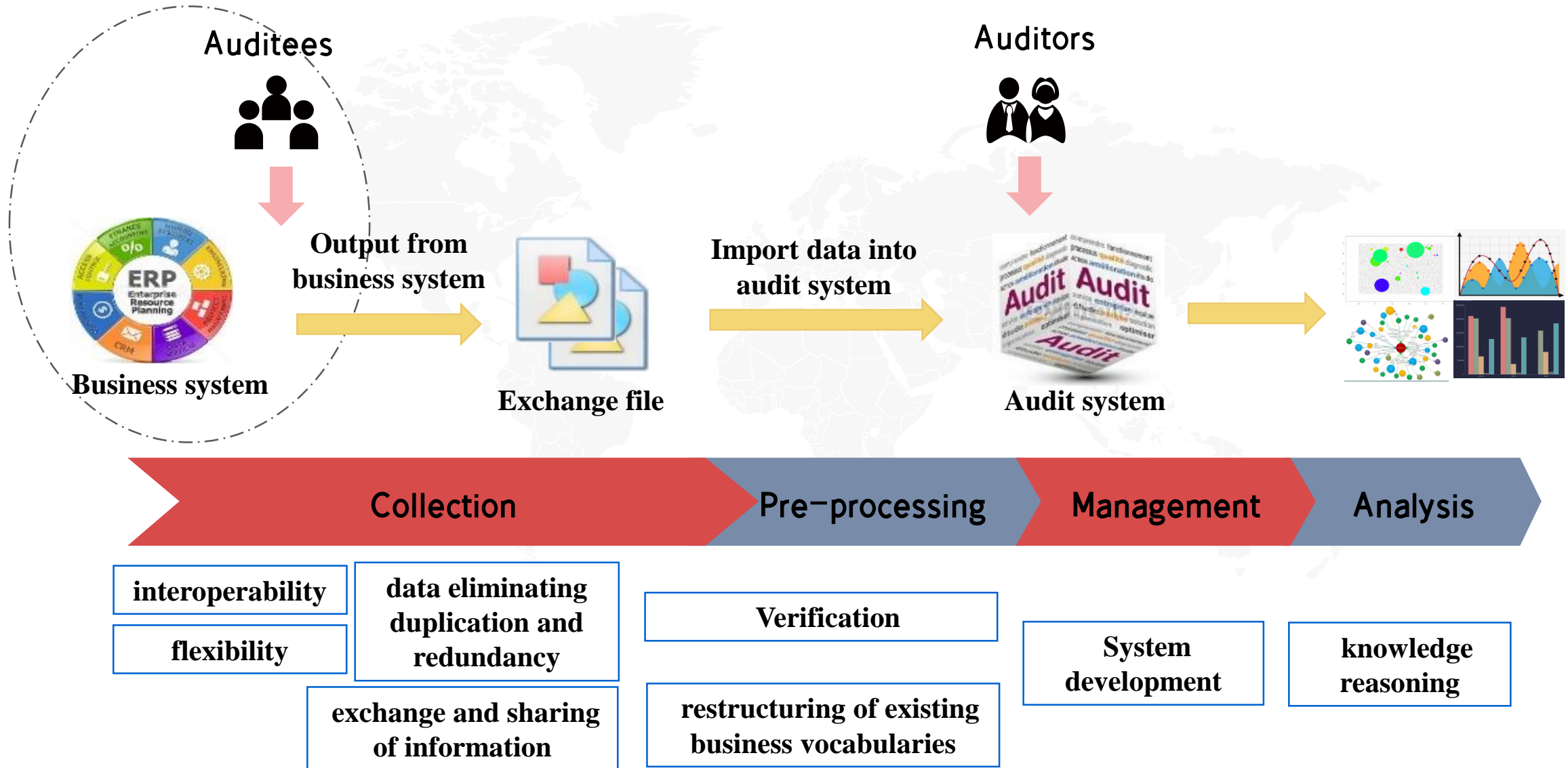
7

**Definition:** description of the organization of data (3.1.1.15) in a manner that reflects an information (3.1.1.16) structure

**ISO Standard:** ISO 5127:2017 ; ISO 28258:2013

# The potential role of data model

➤ **Benefits VS Costs :** the more we want the more be pay



# ■ Different ways of data model

## ➤ Different ways even for same goal

