

# INFORMATION MANAGEMENT SYSTEM

Key Definitions & Basic Concepts

## BİLGİ YÖNETİM SİSTEMİ

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# KEY DEFINITIONS

## Data

Facts or figures  
(maps) from  
which  
conclusions can  
be inferred

## Information

Informing  
or  
being informed

## Knowledge

The fact or  
state of  
knowing or  
understanding  
(by a person)

# KEY CONCEPT

Data

Is Not



Information

Is Not



Knowledge

# TRANSFORMATION OF DATA TO KNOWLEDGE

Data

Processing



Information

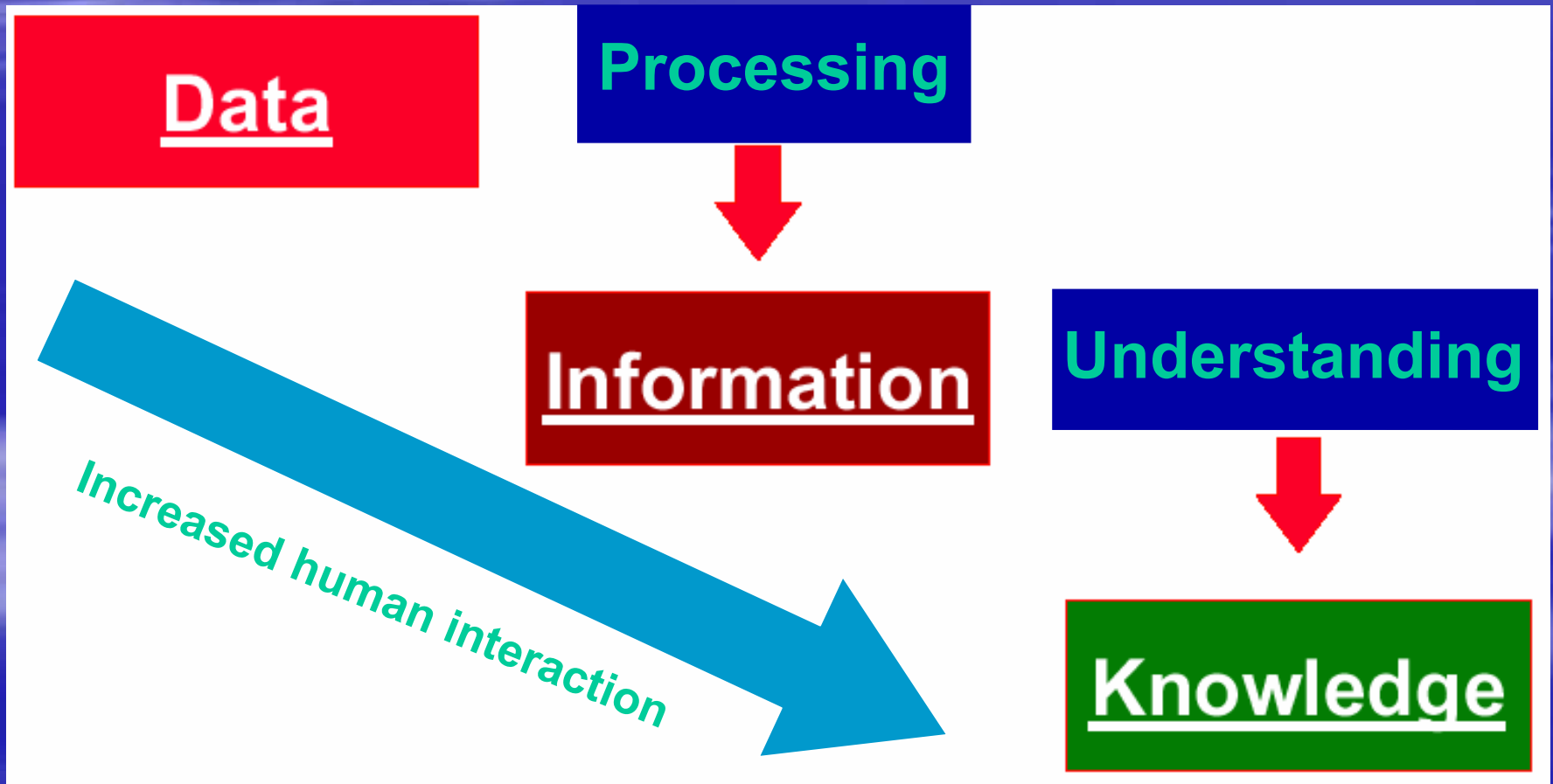
Understanding



Knowledge

Data becomes knowledge only when the user understands and uses the information to achieve an objective

# TRANSFORMATION OF DATA TO KNOWLEDGE Requires Human Interaction



# Definition of IMS (Information Management System)

## Major Elements

**Objective**

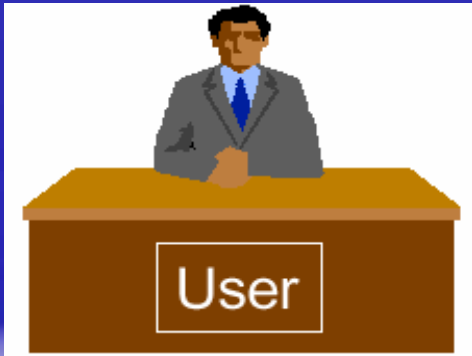
**Goals of the organization  
Business plan or business  
strategy**

**Information  
Management  
Technology**

- **Data**
- **Hardware, and software**
- **Analytical procedures**

# Definition of IMS Major Elements

**People or decision maker**

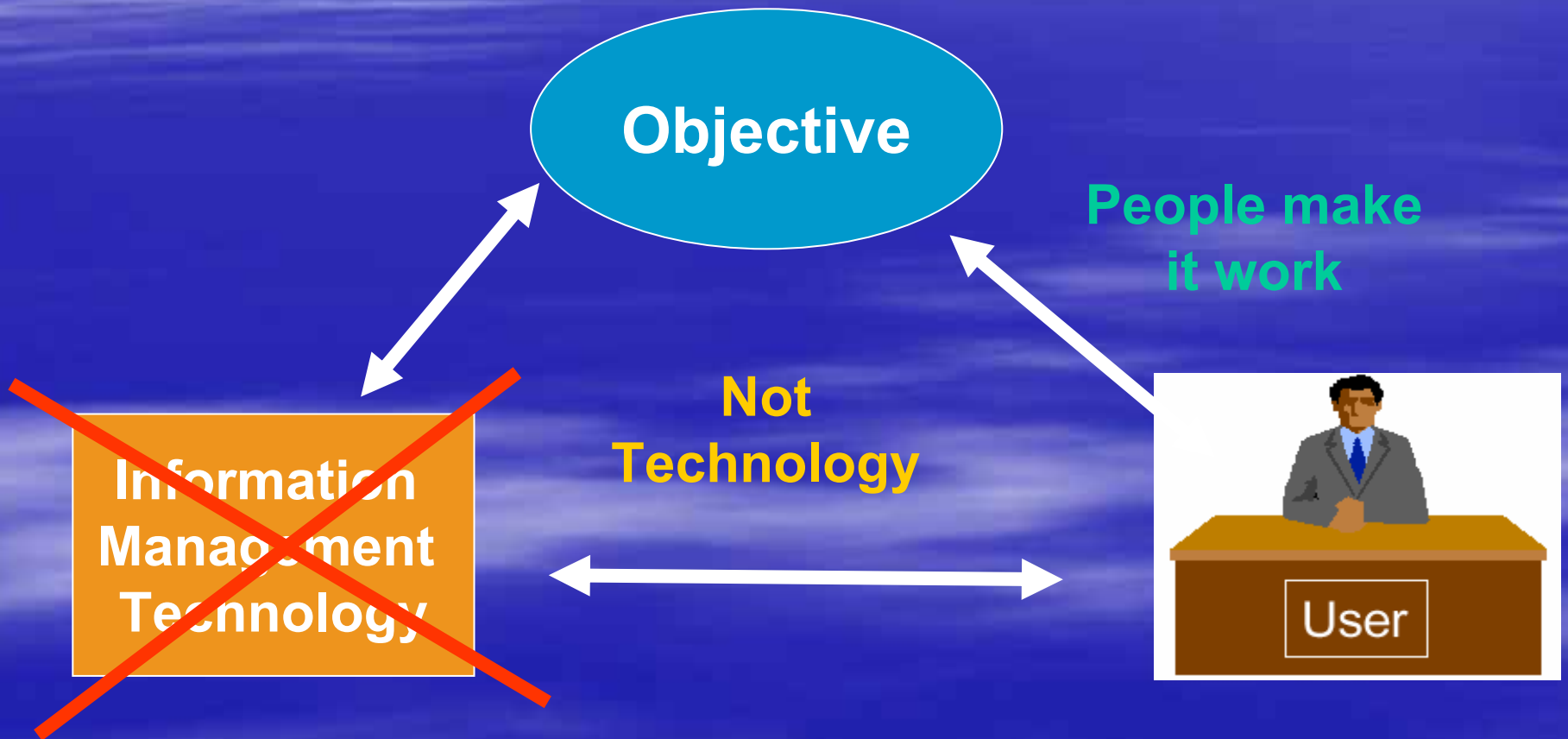


**Uses technology to make informed decision to accomplish the objective**

# Information Management System Major Elements



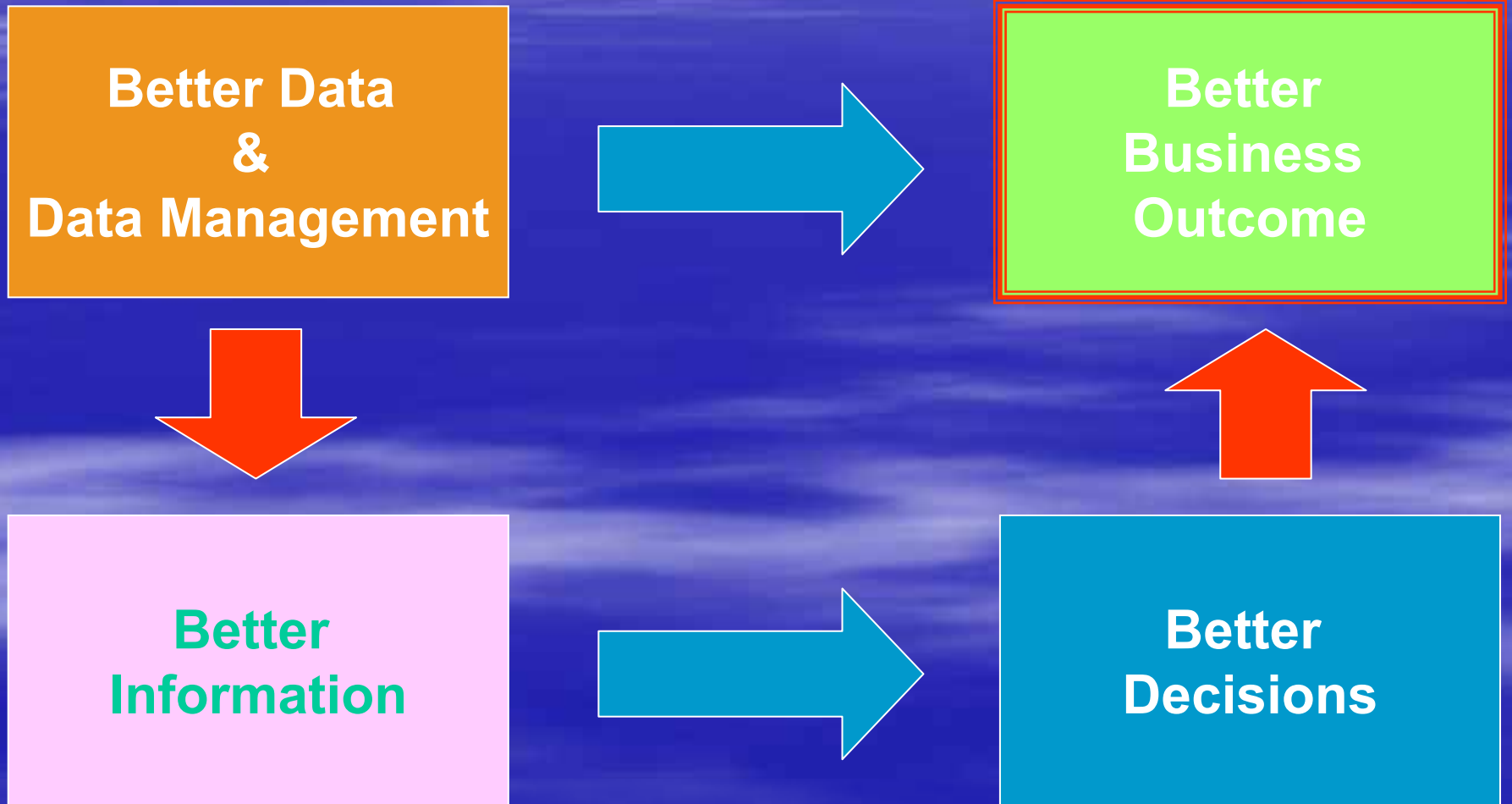
# Information Management System Major Elements



# Information Management System Operating Characteristics



**Better Data and Data Management**  
**Leads to**  
**Better Business Outcome**



# DIFFERENT INFORMATION NEEDS

Management Level	Activity	Information Needs
Top	Strategy Formation	Wide Ranging External and Internal
Middle	Achieve Strategic Objectives	General and Specific Internal
First-level	Performance	Diagnostic Internal

# Activities

## User Activity Matrix

Routine Data Query Retrieval And Display	Intelligence Gathering	Decision Support	Strategic Planning
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## User Types

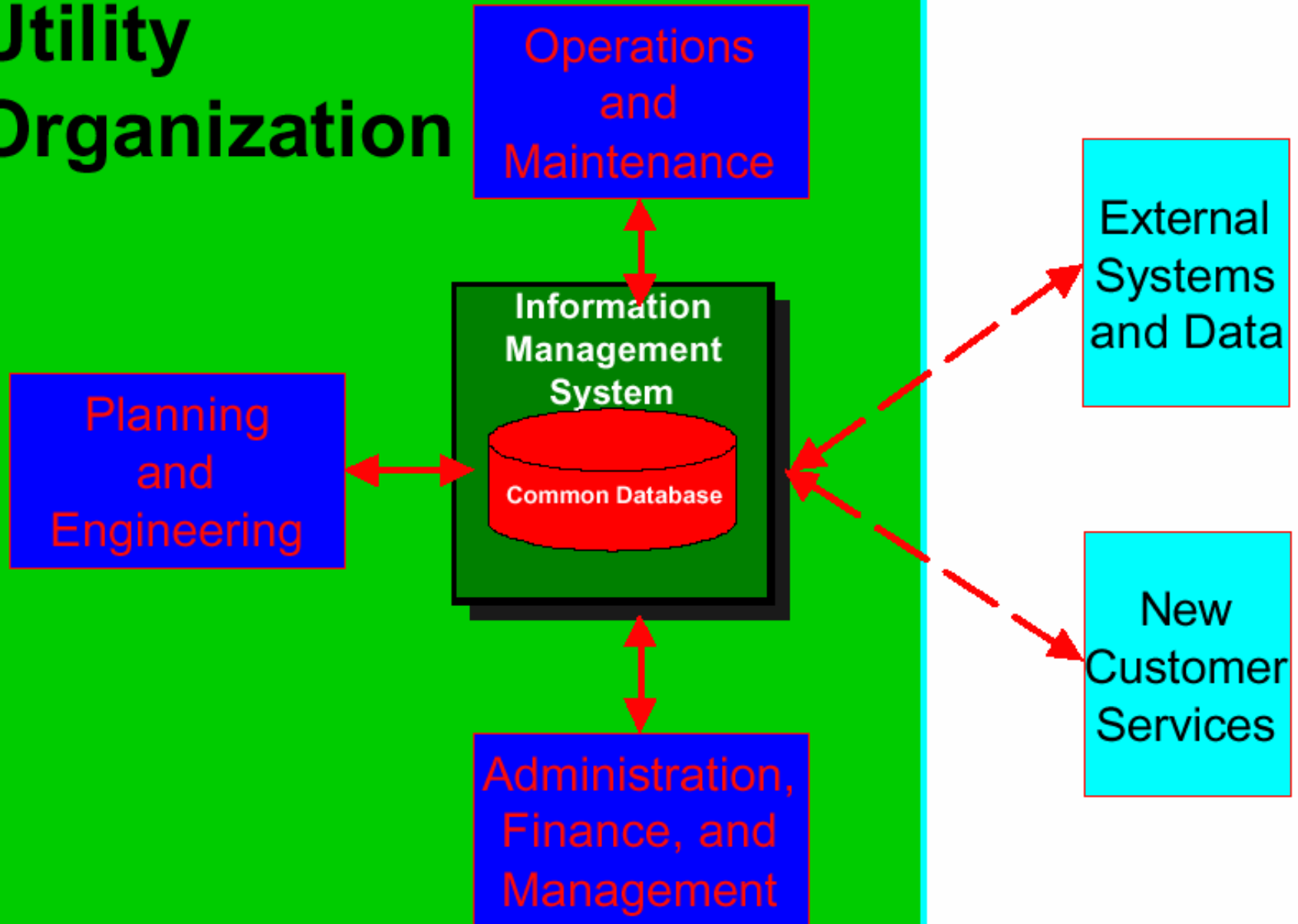
Executives
Policy Makers
Managers
Technical Specialist



# Definition of an Integrated Information Management System

**A hardware and software system that uses a common database to allow the unimpeded flow of data, information, and knowledge to supports the organization's goals**

# Utility Organization



# Objectives of an Integrated Information Management System

- **Support the organization's business goals**
- **Provide a common view of information and the ability to share information across the organization**
- **Allow an organization to respond quickly to changing business conditions**

## **Primary function –**

**Assist the Managers**

**to Make Better Decisions**

**by providing information that is:**

- **Complete**
- **Accurate**
- **Timely (available just in time)**
- **Usable**

# Major Functions of a Information Management System

- Data gathering
- Data entry
- Data transformations
- Information Utilization