



MIS

Management
Information
System

OUR PRIMARY GOALS:



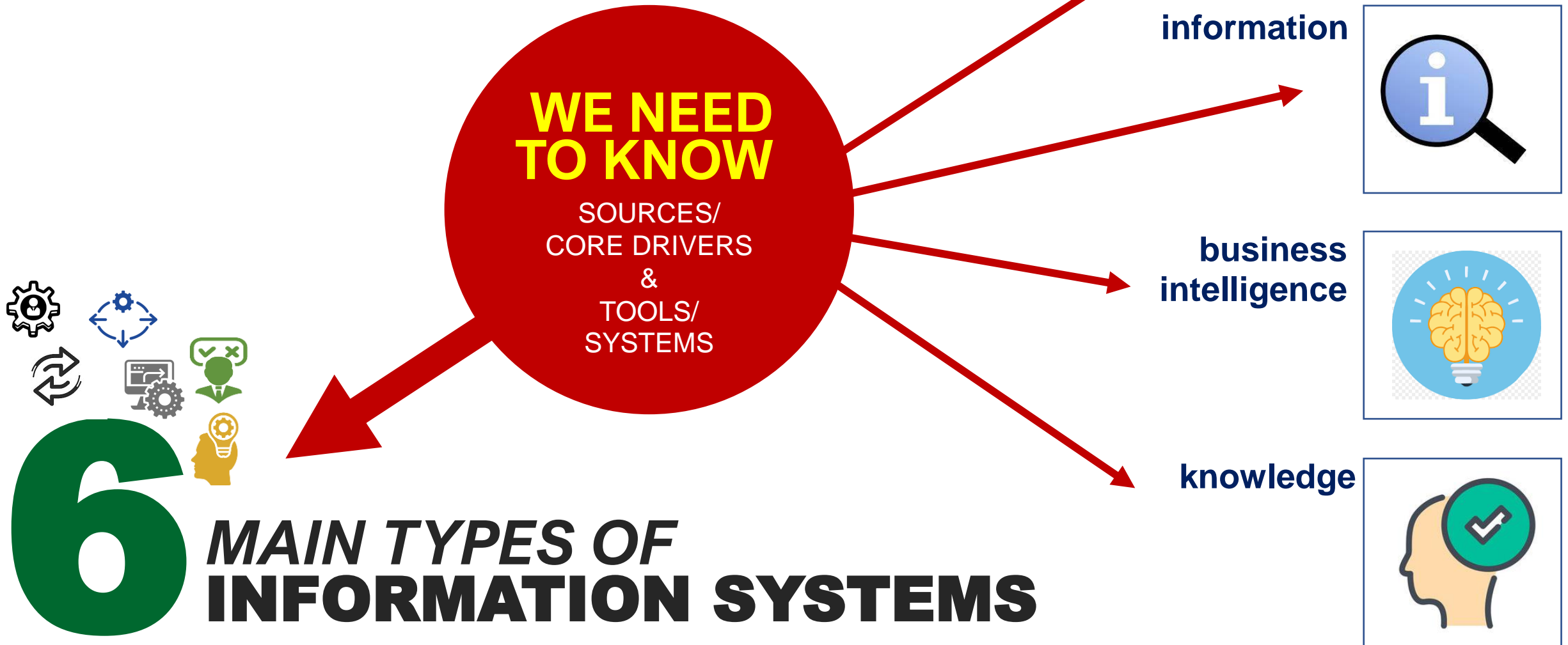
“To prepare you with the knowledge you need to survive in the information age”

“To arm you comprehension you need to run a business/company/organization **utilizing different types of Information systems** and concepts”

“To arm you business/company/organization to be able to compete in the information age by **becoming aware of the typical problem within MIS Driven Company/organization**”

“And Thus, There is **a need to implement MIS Solution**”

HOW?

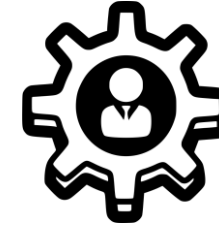


THE 6 MAIN TYPES OF INFORMATION SYSTEMS



TPS

Transaction Processing
Systems



MIS

Management Information
Systems



OAS

Office Automation
Systems



DSS

Decision Support
Systems



KMS


Knowledge Management
Systems



ESS

Executive Support
Systems

THE 6 MAIN TYPES OF INFORMATION SYSTEMS



TPS
Transaction
Processing
Systems

- Transaction processing systems TPS covers any kind of data transactions transacted by consumer and employee in order to have streamline workflows and easiness in information retrieval.

ATM
(Auto Teller Machine)





EDC
(Electronic Data Capture)



POS
(Point Of Sales)



OAS
Office
Automation
Systems

- An office automation system that organizes routine administrative and managerial tasks to optimize communication between different business





KMS
Knowledge
Management
Systems

- A knowledge management system processes expertise & knowledge sharing among users to better improve their job performance.



Google Drive



DOCUMENT360



Bloomfire



Flowlu



servicenow



knowledgeowl

THE 6 MAIN TYPES OF INFORMATION SYSTEMS

- A typical Information system that manages to help daily clerical and administrative duties among middle management area.





MIS
Management
Information
Systems

- A DSS processes sets of information to assist managers decide the most proper (accurate; precise) at the appropriate time.





DSS
Decision
Support
Systems

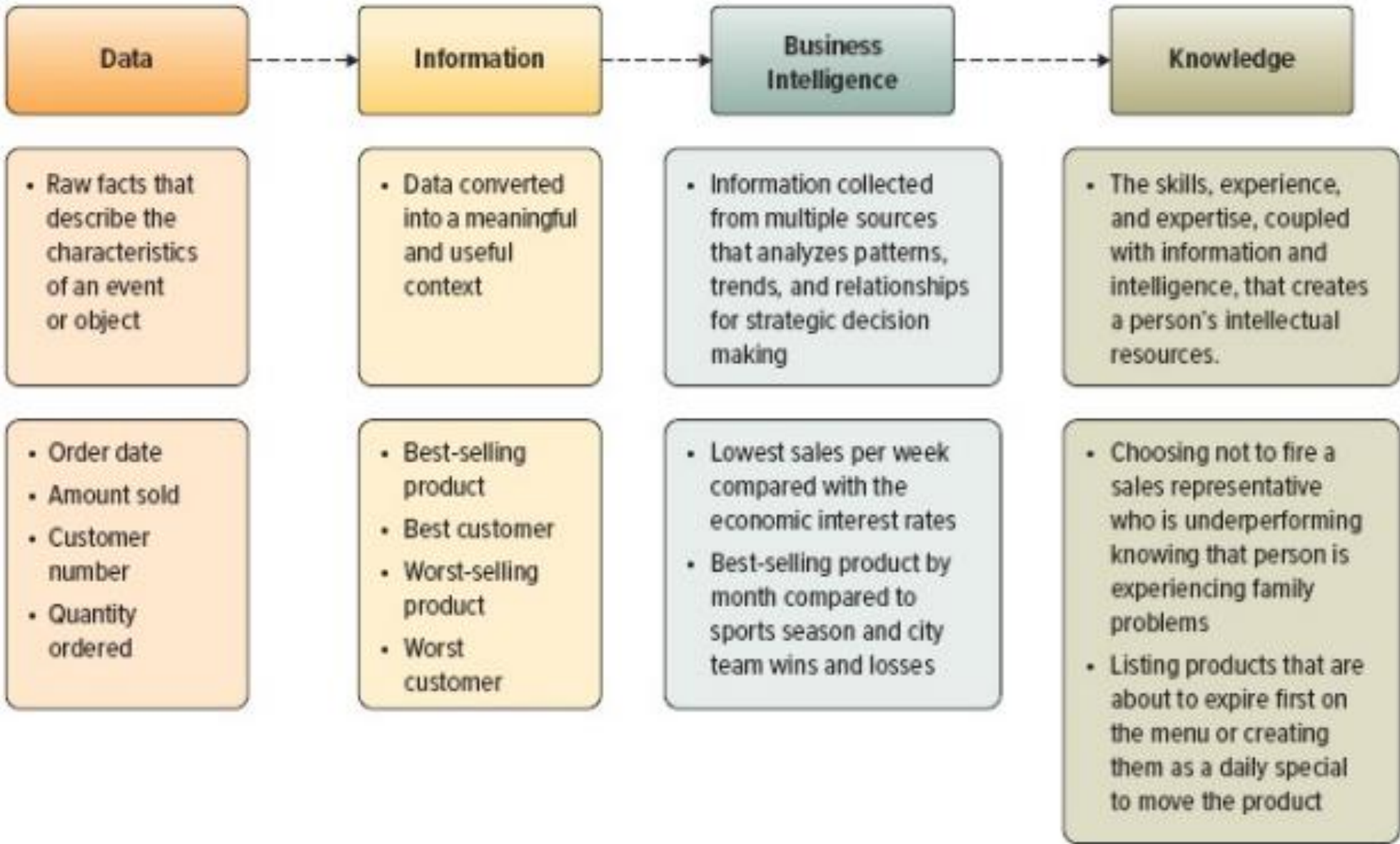
- An extended of DSS where typically employed by executive levels/leaders to manages all of the to oversee the company growth trends and identified challenges and opportunities.





ESS
Executive
Support
Systems

LET'S DO A PRODUCT SIMULATIONC



DATA

Wait ser, what is a data?

Data: Raw facts that describe the characteristics of an event or object (Baltzan, 2020).

BIG DATA

Big data A collection of large, complex data sets, including structured and unstructured data, which cannot be analyzed using traditional database methods and tools (Baltzan, 2020).

**DATA CREATION
WILL GROW
TO MORE THAN**

180

**ZETTA
BYTES**

BY 2025

Abbr.	Prefix name	Decimal size	Size in thousands	Binary approximation	Address variable size
K	kilo-	10^3	1,000	$1,024 = 2^{10}$	10
M	mega-	10^6	$1,000^2$	$1,024^2 = 2^{20}$	20
G	giga-	10^9	$1,000^3$	$1,024^3 = 2^{30}$	30
T	tera-	10^{12}	$1,000^4$	$1,024^4 = 2^{40}$	40
P	peta-	10^{15}	$1,000^5$	$1,024^5 = 2^{50}$	50
E	exa-	10^{18}	$1,000^6$	$1,024^6 = 2^{60}$	60
Z	zetta-	10^{21}	$1,000^7$	$1,024^7 = 2^{70}$	70
Y	yotta-	10^{24}	$1,000^8$	$1,024^8 = 2^{80}$	80

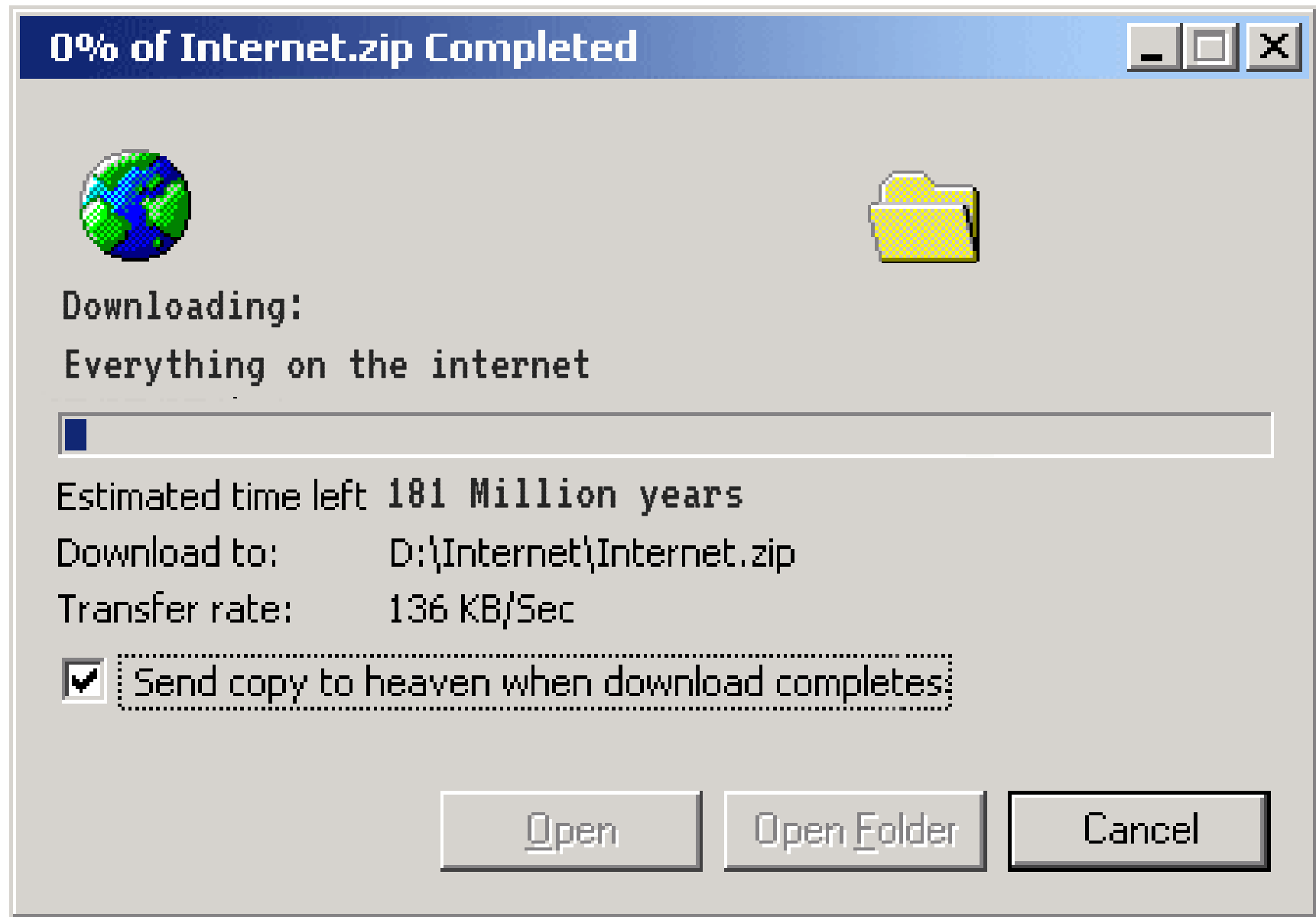
180 ZB

*But Mr. S,
how big is that?*

TODAY,







*It would take a person
approximately*

181 million years to
download all the data from
the internet.



The six Vs of big data

Big data is a collection of data from various sources, often characterized by what's become known as the 3Vs: *volume*, *variety* and *velocity*. Over time, other Vs have been added to descriptions of big data:

VOLUME	VARIETY	VELOCITY	VERACITY	VALUE	VARIABILITY
The amount of data from myriad sources.	The types of data: structured, semi-structured, unstructured.	The speed at which big data is generated.	The degree to which big data can be trusted.	The business value of the data collected.	The ways in which the big data can be used and formatted.
					

BIG DATA

STRUCTURED DATA



Questions Responses Formfacade

Cat Vs Dog

Form description

Name *

Short answer text

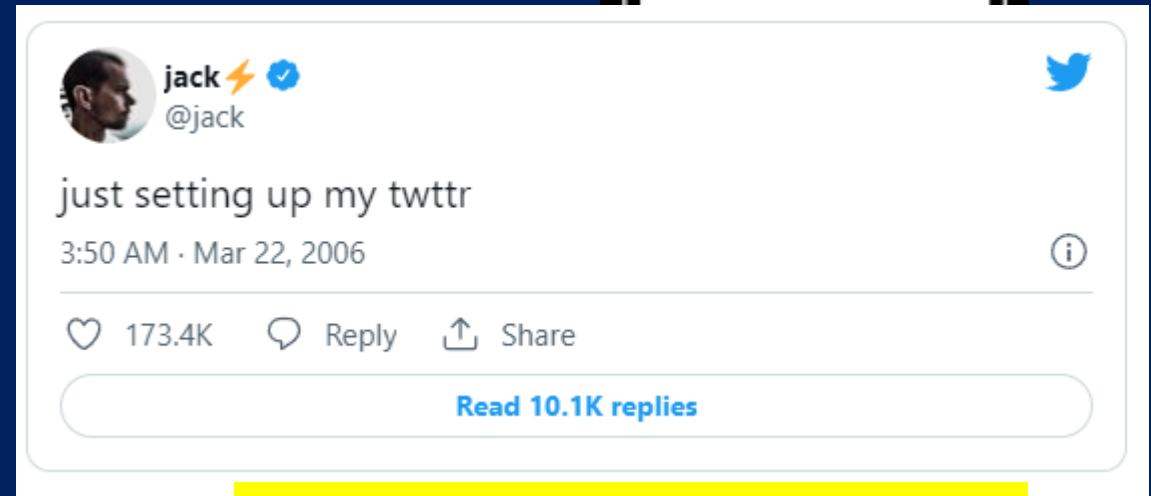
Do you own a dog or a cat? *

☐ Dog

☐ Cat

☐ Neither

UNSTRUCTURED DATA



Sold as NFT at 2,9M USD

BIG DATA

STRUCTURED DATA



Machine
Generated



Human
Generated

- Point of sales
- Sensor data
- Interaction with computer
- Gaming data
- Clickstream data

UNSTRUCTURED DATA



Machine
Generated



Human
Generated

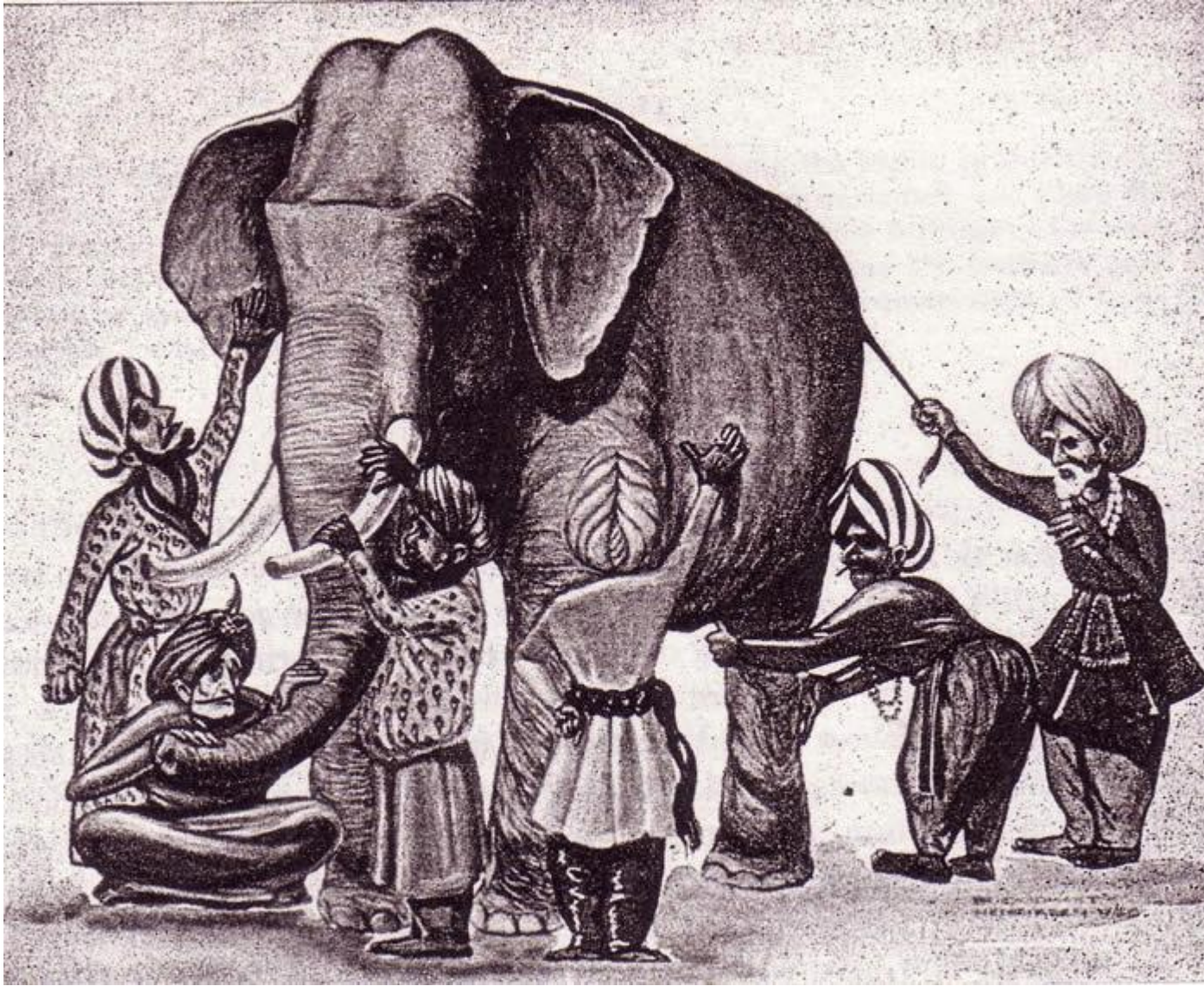
- Satellite Images
- Radar data
- Text message
- Social media
- Emails



THE MIS SOLUTION

GROUP ACTIVITY

THREE BLIND MEN PARABLE



Three Blind Men

Activity:

“We are running a company, with several business units. After the 3rd year, we are now facing a big Problem. You are the business units. From your area perspective, please describe the Problem”

3 Volunteers as Business Unit

(Choose one: Marketing; Accounting; HR)

THE MIS SOLUTION

Rules:

You as business units need to:

- *Stay **SILENT** all the time! – Nod or Shake your head to give sign.*
- *Wait outside the class or at far distance*
You're not allowed to be in close proximity with one another
- *Will be invited to come in one-by-one to see 1 (one) picture*
- *Go back outside and wait*
- *Once all saw each individual image, will be invited back in*
- *Describe what they see one using “1 word/idea/thing/concept”*
- *Problem revealed*

PROBLEM NO. 1

(All business units must wait outside at this moment)

Image 1

Ready ?

Invite 1st Business Unit



Image 2

Ready ?

Invite 2nd Business Unit



Image 3

Ready ?

Invite 3rd Business Unit



DESCRIBE THE PROBLEM

Write your answer in post-it. Keep it safe from others

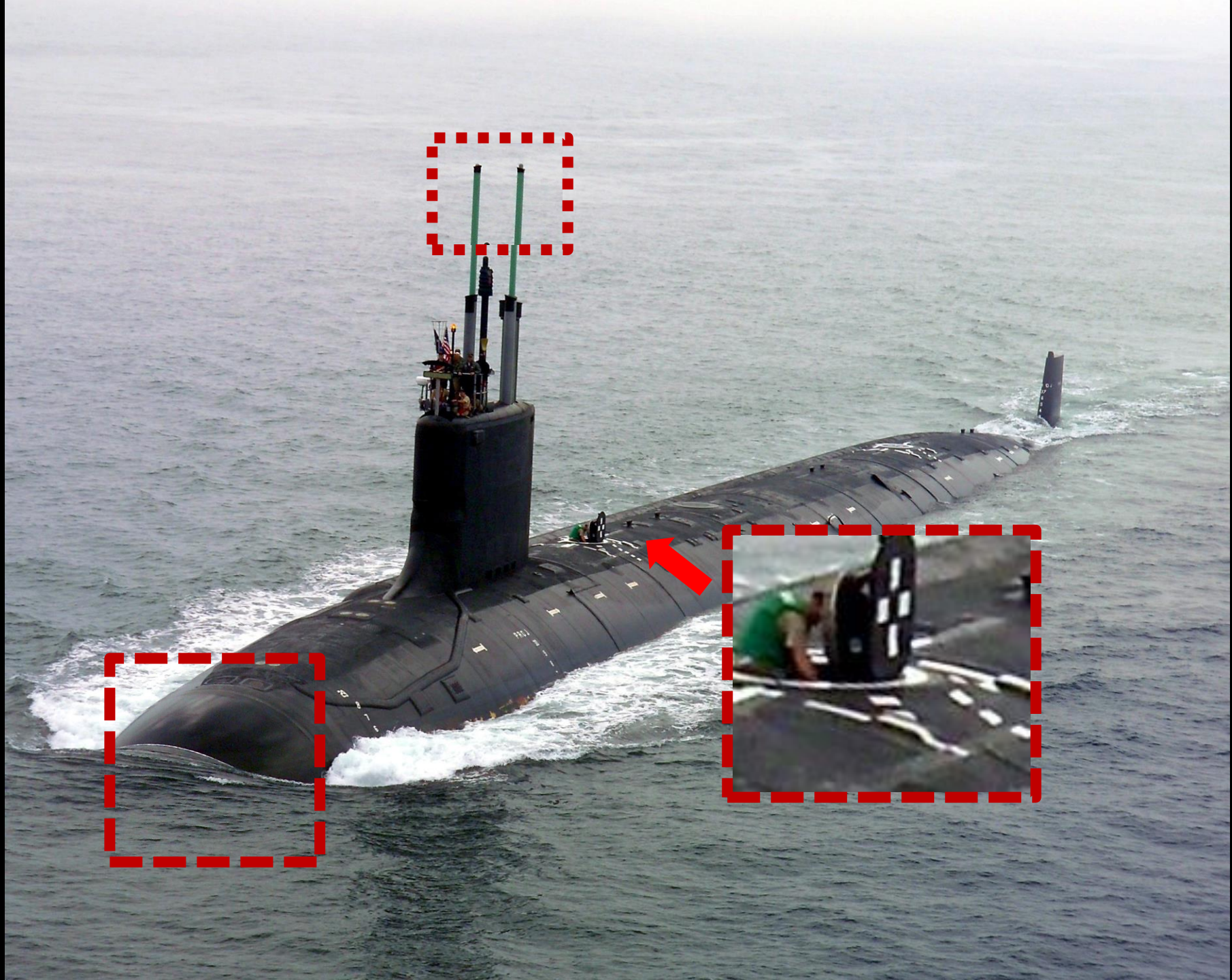
Marketing side?

HR side?

Accounting side?

The PROBLEM is ?





1 more activity ?

All Volunteers as Business Unit

Choose one:

Marketing

Sales

Accounting

Finance

HR

PROBLEM NO. 2

Image 1

Ready ?



Image 2

Ready ?



Image 3

Ready ?



Image 4

Ready ?



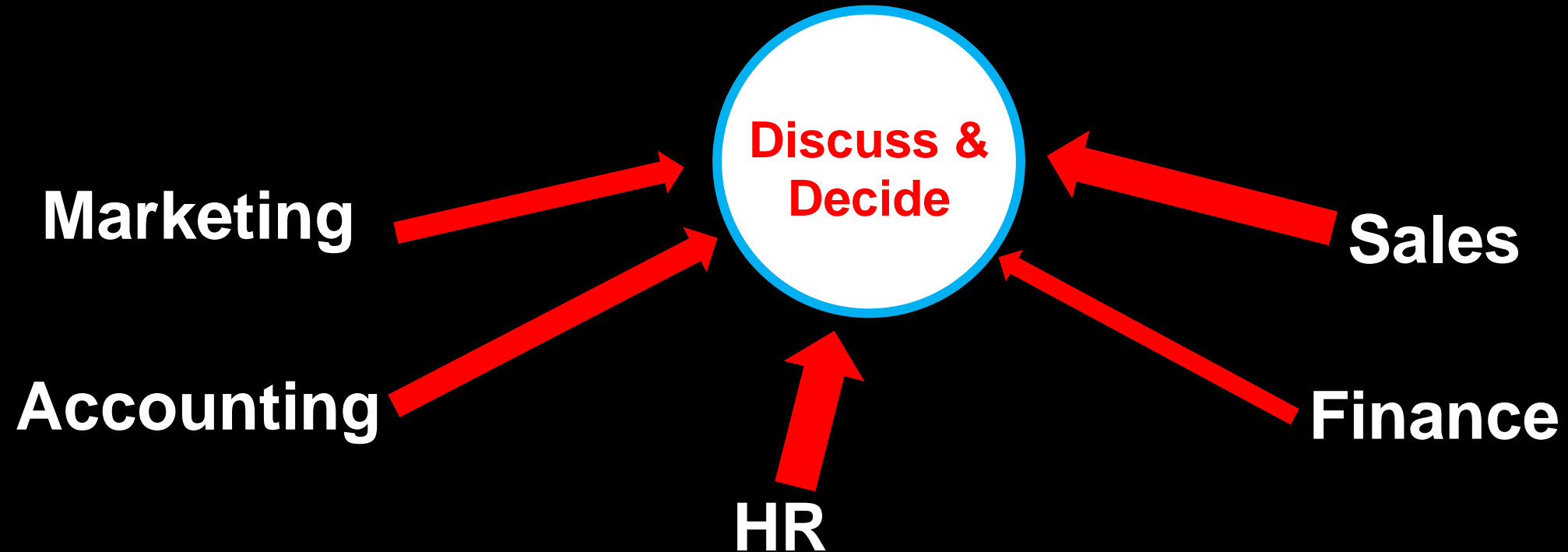
Image 5

Ready ?



DESCRIBE THE PROBLEM

What is it?

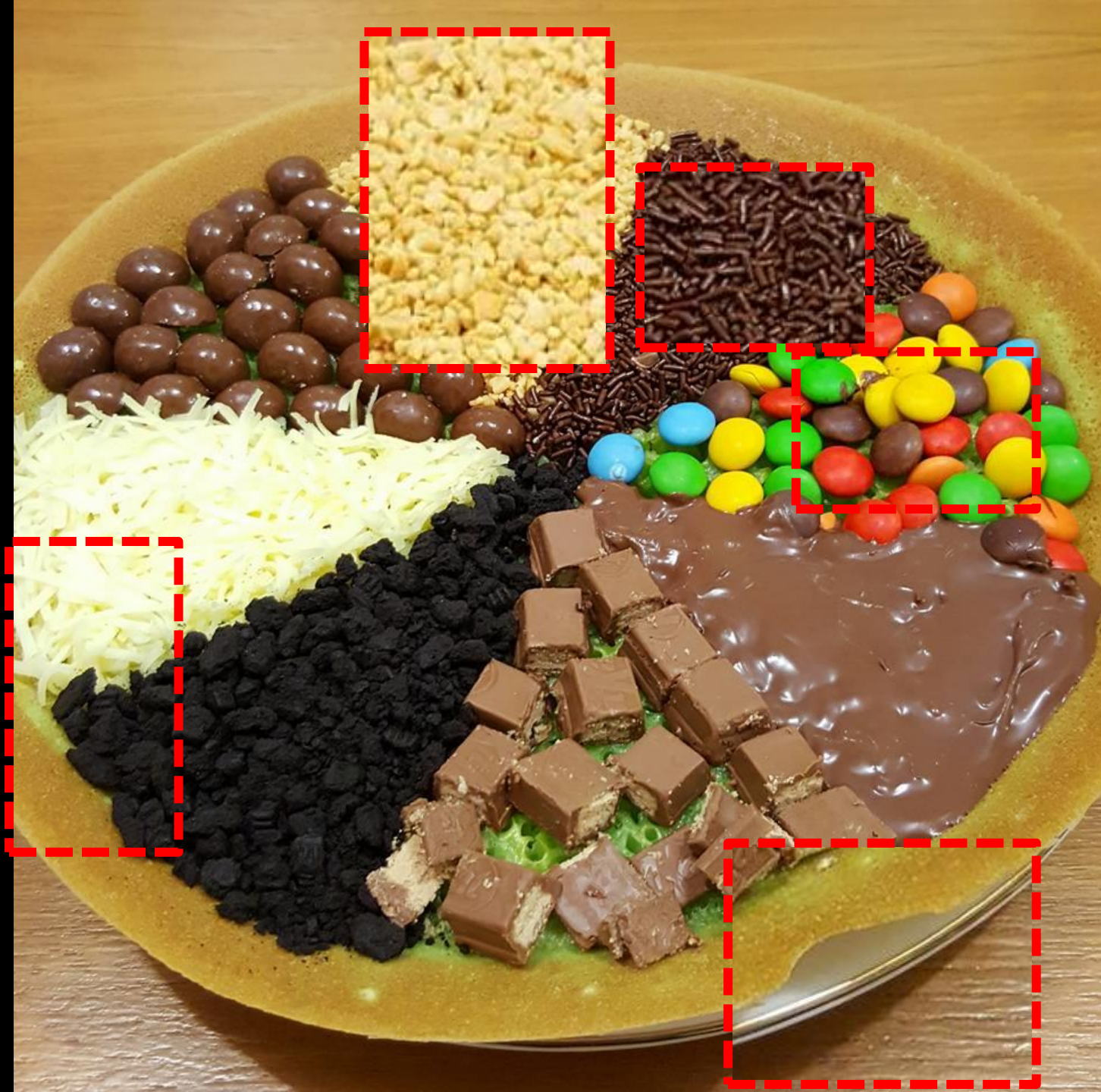


The PROBLEM is ?

???

???????





Take away from this activity?

In line with the Three Blind Men parable, any organization or company that operating by different divisions/departments are seeing only one part of the elephant, a critical mistake that hinders successful operation. Thus the mindset of MIS Solution needs to be trained and implemented well within it (Baltzan, 2020).

THANK YOU

End of Presentation

REFERENCE

Baltzan, P. (2020). *M: Information systems* (5th ed.). McGraw-Hill.

Christiansen, L. (2021). *The 6 Main Types of Information Systems*. Altametrics.

<https://altametrics.com/en/information-systems/information-system-types.html>

Petrov, C. (2022, March 14). 25+ *Impressive Big Data Statistics for 2022*. <https://techjury.net/blog/big-data-statistics/#gref>