



DUTCH HBO
BENCHMARK
2014

@Rensvandervorst

**APPLES
&
APPLES**

MIRROR

MARKET

DUTCH HBO
BENCHMARK
2014

USAGE

**BYOD
CLOUD**

**STORY-
TELLING**

**9
UNIVER-
SITIES**

**200.000
STUDENTS**

**20.000
EMPLOY-
EES**

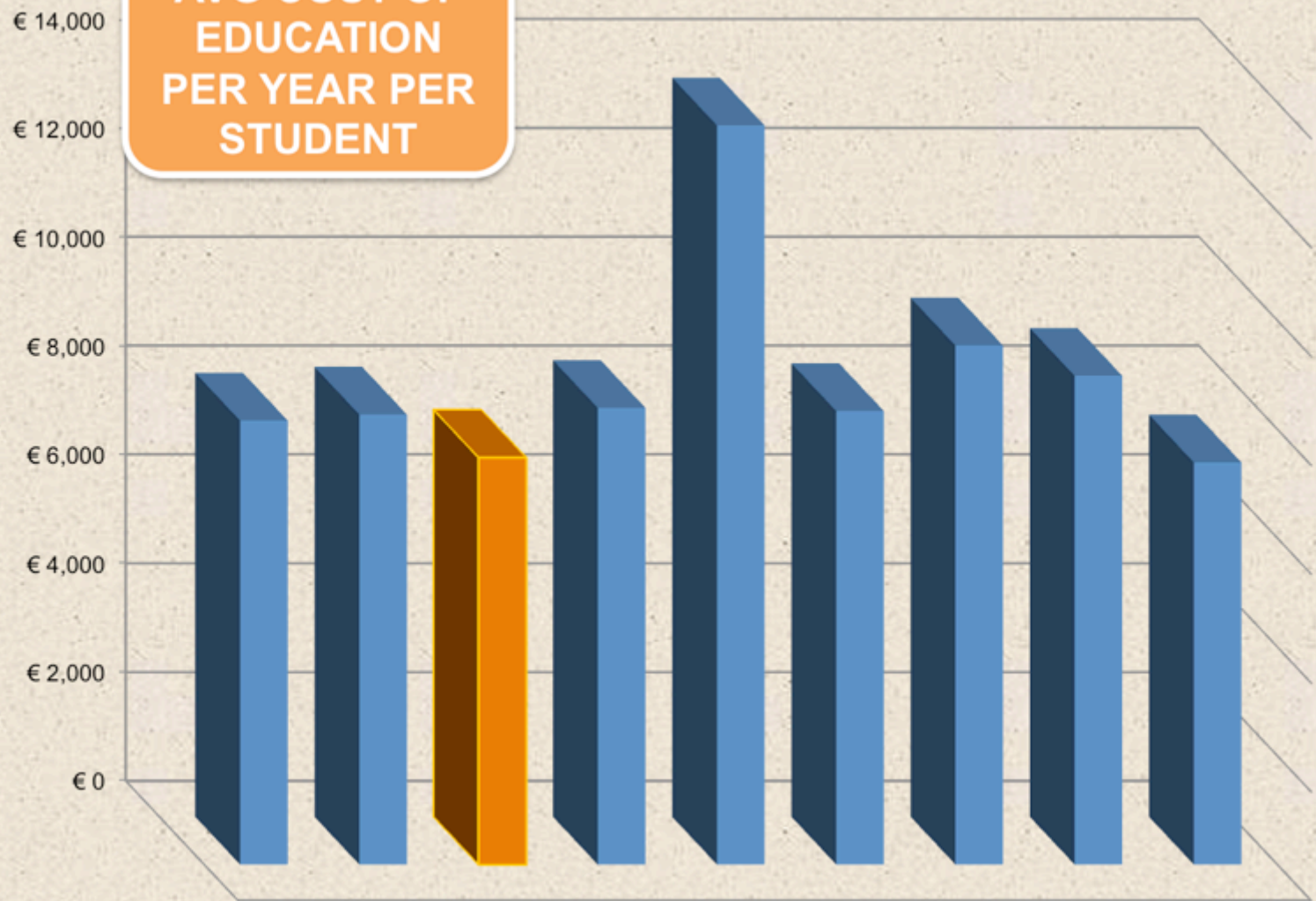
DUTCH HBO
BENCHMARK
2014

**2010
(EXCEL
VERSION)**

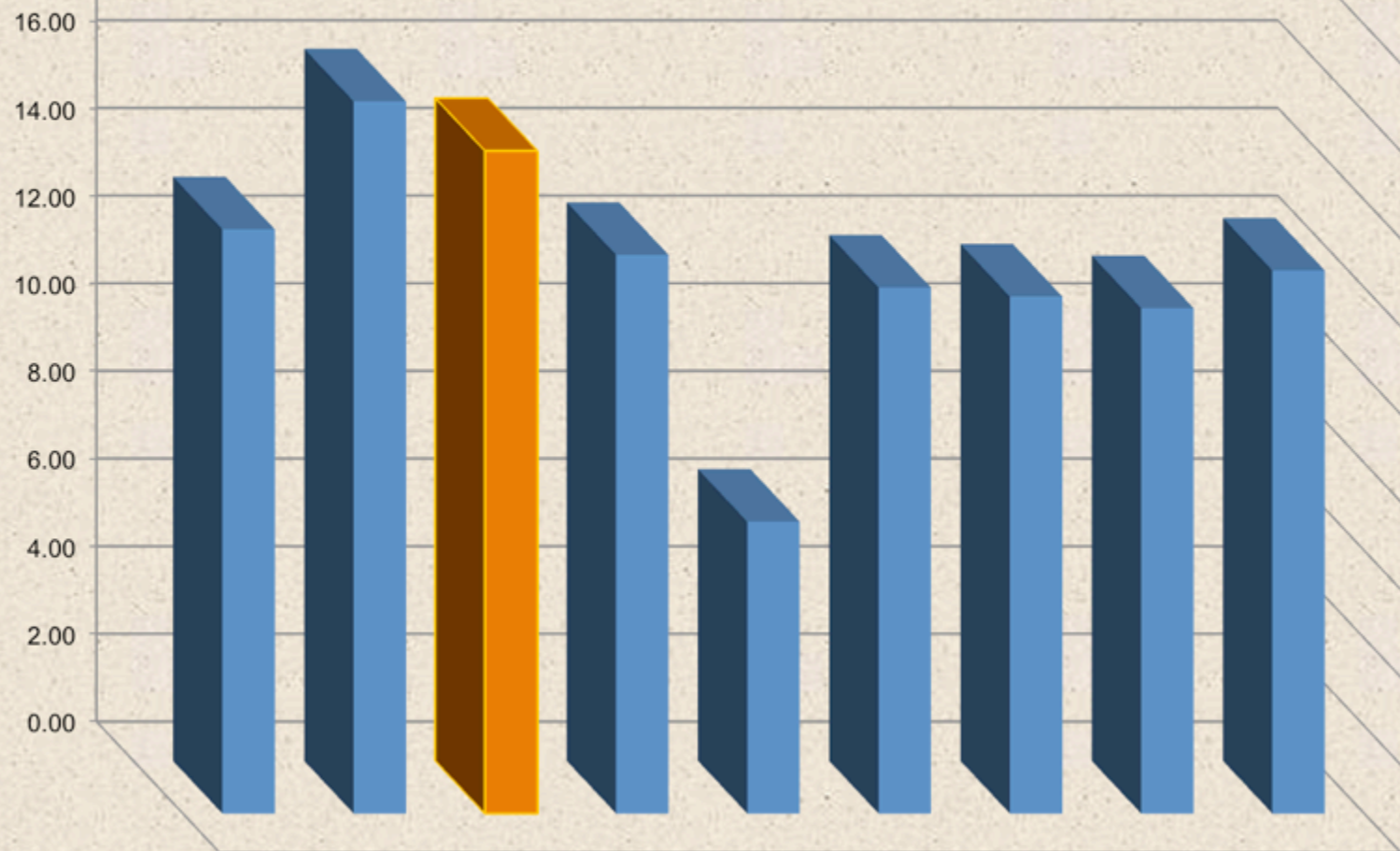
**1.6
BILLION**

**250.000
SAVINGS
PER YEAR**

**AVG COST OF
EDUCATION
PER YEAR PER
STUDENT**



FTE PER STUDENT



**11,3 to 1
(2001)**

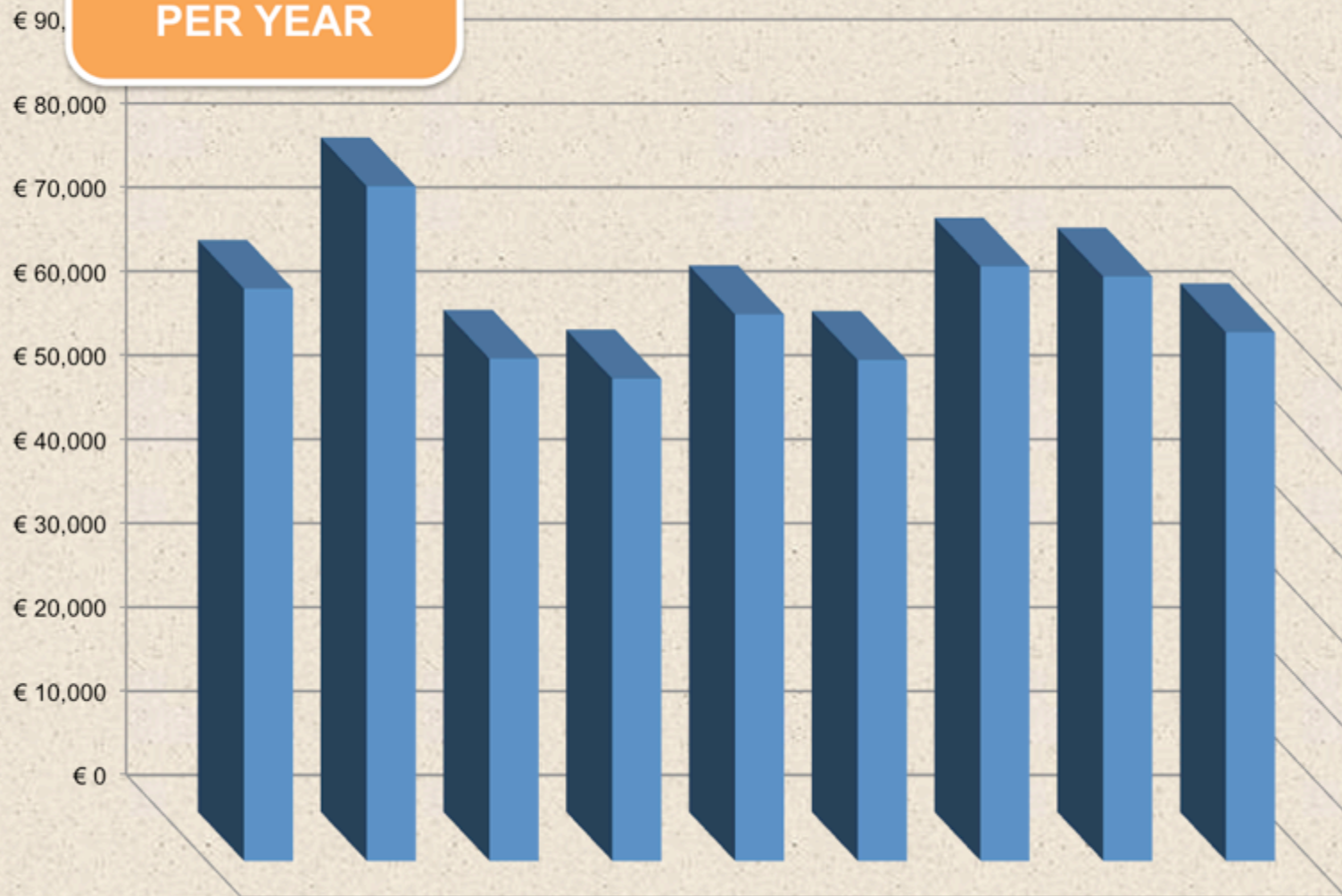
**12,1 to 1
(2014)**

**200 mil
IT**

**Same
Raw
material**

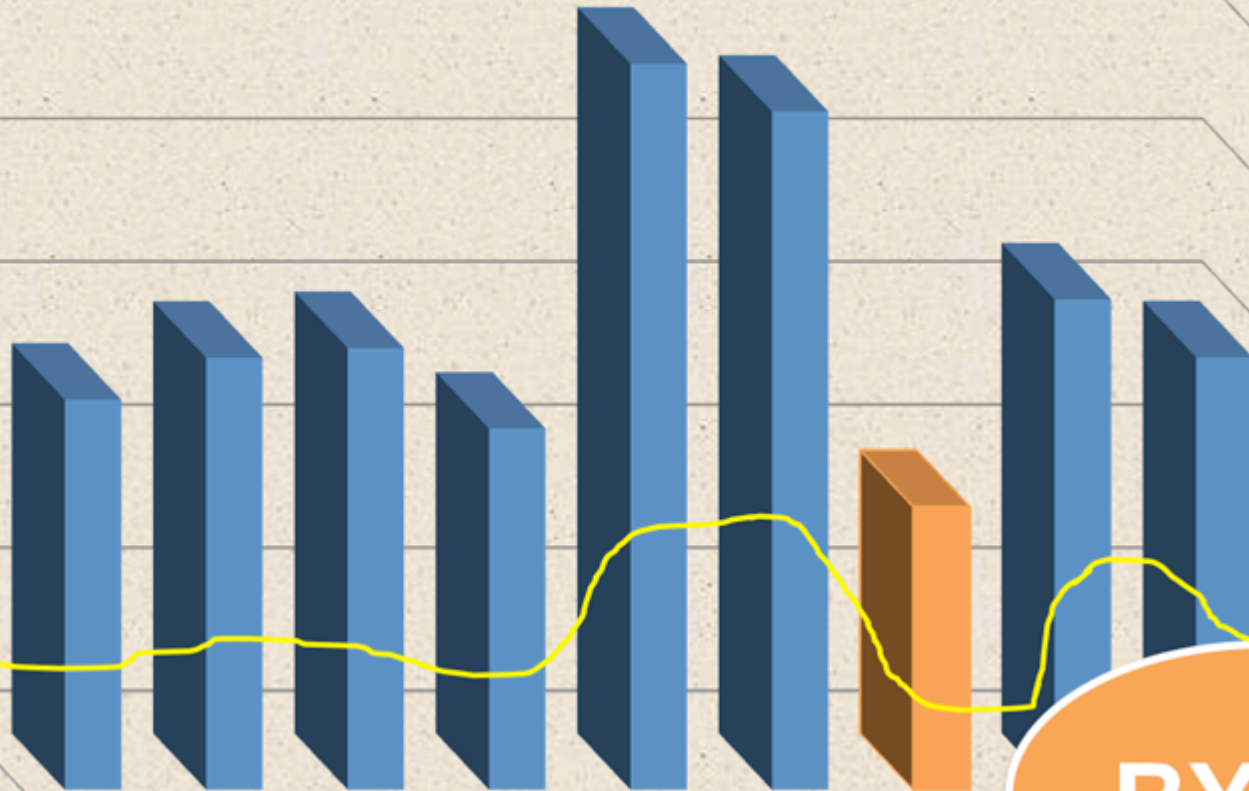
**Same End
Product**

AVG COSTS OF IT PERSONNEL PER YEAR



**NETWORK
INFRA % OF
TOTAL BUDGET**

1.20%
1.00%
0.80%
0.60%
0.40%
0.20%
0.00%



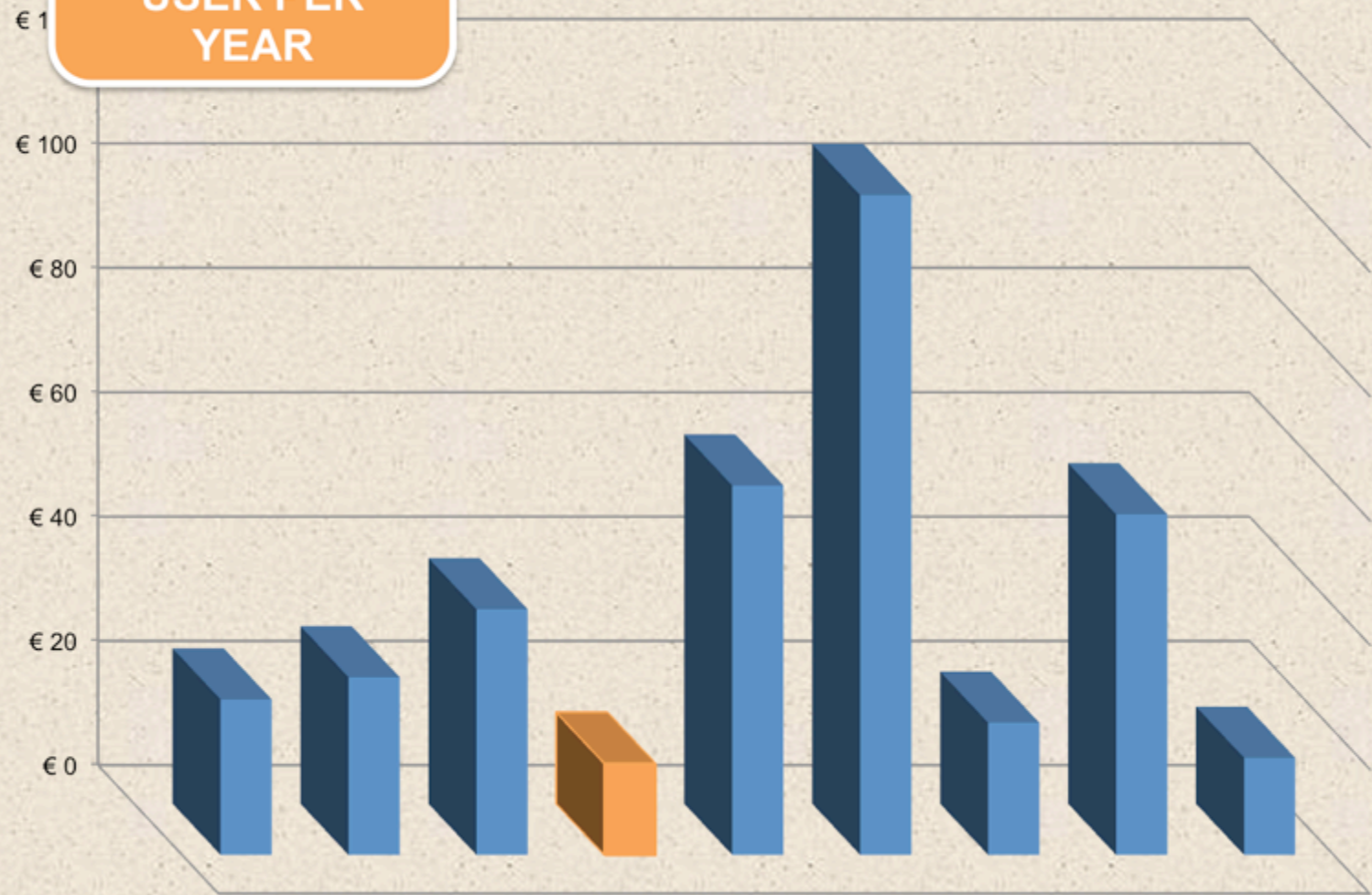
BYOD

AVG COST OF SERVER

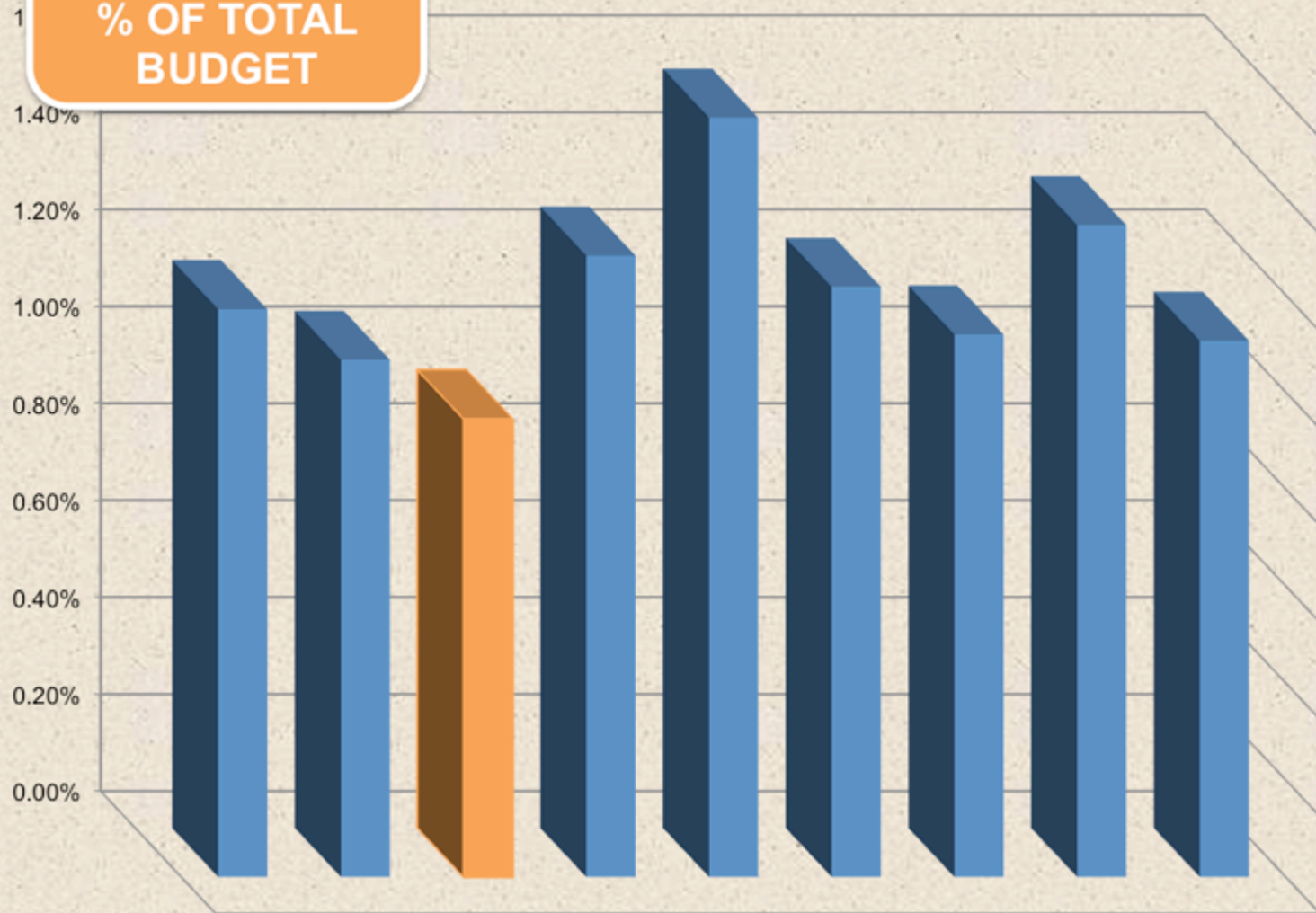


**CLEAR
SKIES**

**AVG COST OF
INFRA PER
USER PER
YEAR**



**AVG COST OF
ENDPOINTS AS
% OF TOTAL
BUDGET**

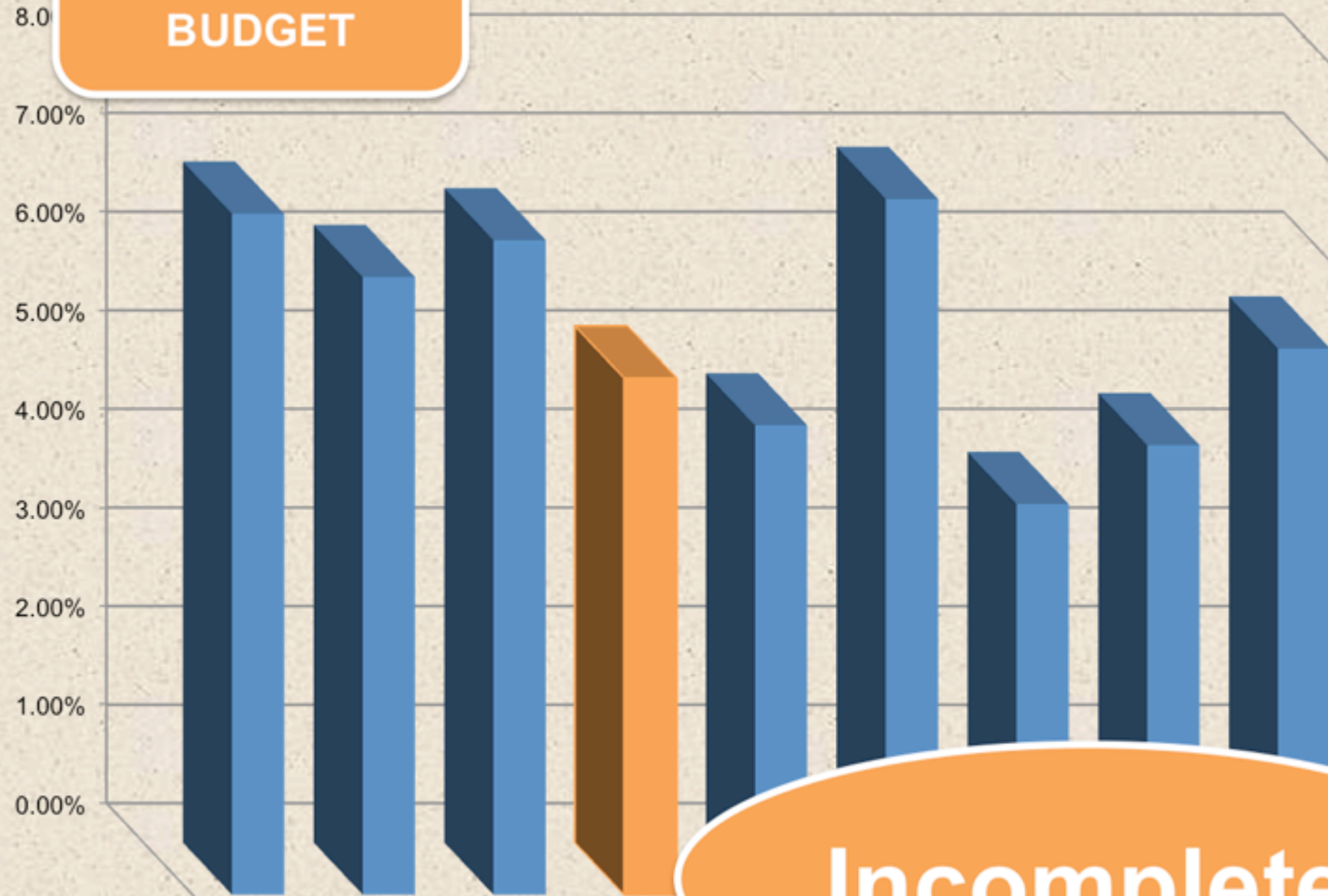


**COST OF
AUDIO-
VISUALS AS %
TOTAL**



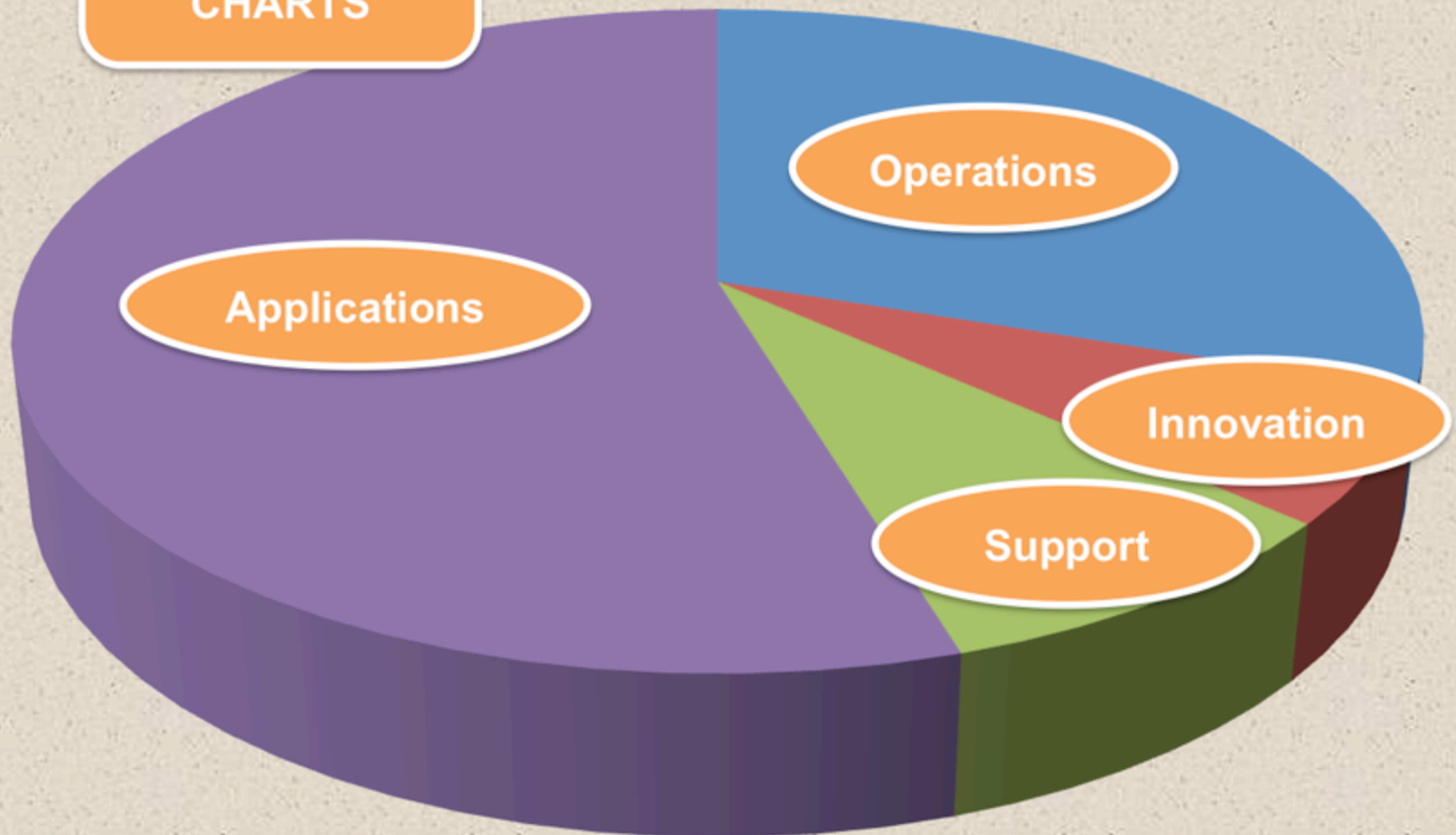
Incomplete

**IT COSTS AS %
OF THE TOTAL
BUDGET**



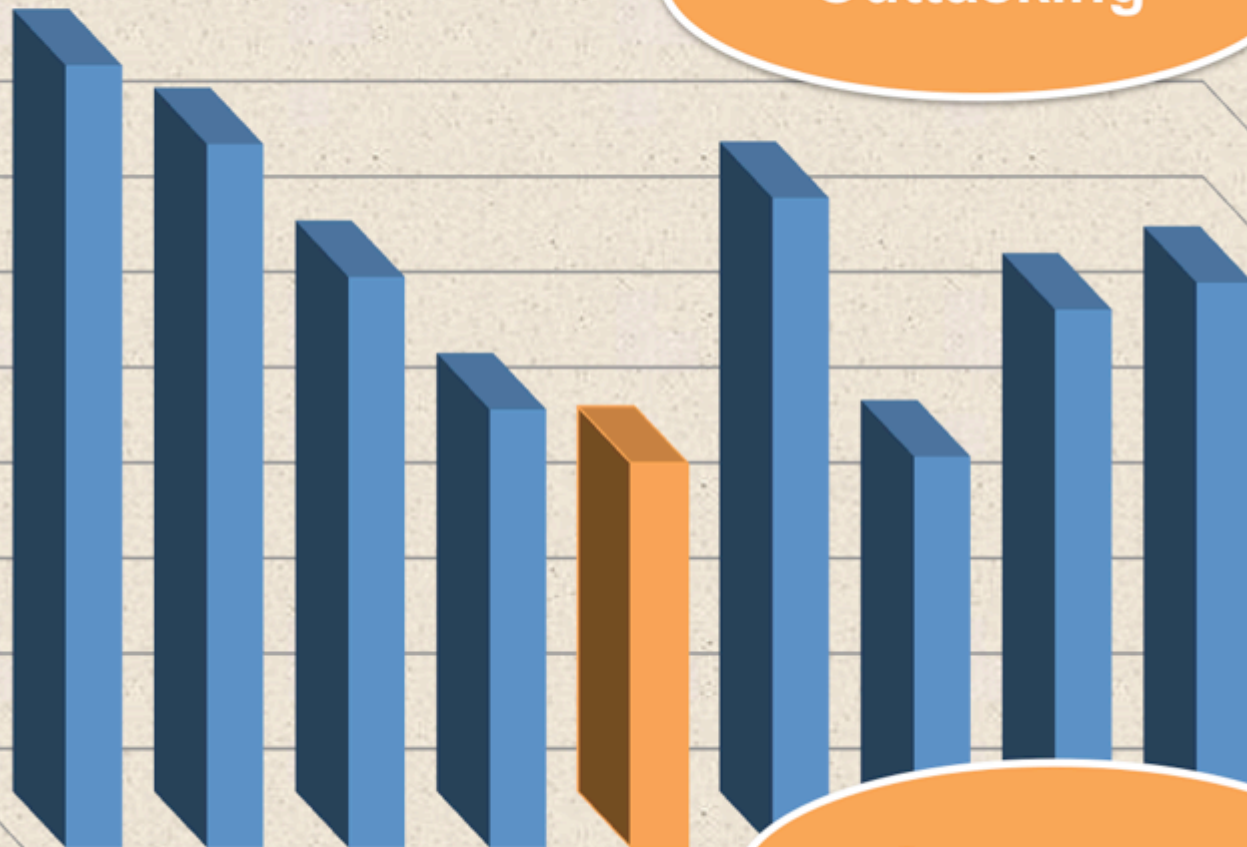
Incomplete

**PERSONNEL
PIE
CHARTS**



**PERSONNEL
COSTS AS %
OF TOTAL
BUDGET**

4.50%
4.00%
3.50%
3.00%
2.50%
2.00%
1.50%
1.00%
0.50%
0.00%



Outtasking

Control

Licences

HORA

Processes

Nse

CLOUD

OUTSOURCING

Applications

Mobile phones

OVERHEAD

Pay systems

Phones

Personell

Printers

Audiovisuals

Storage

Desktops

Laptops / tablets

MANAGEMENT

Servers

SIZE

Wireless

Wan + Internet

REDUNDANCY

IT DEPARTMENT

Wired

Firewall

UNIVERSITY

USAGE

Infrastructure

COMPLETE THE FIGURES OF NINE

ADD MORE UNIVERSITIES

DUTCH HBO
BENCHMARK
2014

MAKE APPLICATIONS STRUCTURAL

ADD MORE UNIVERSITIES