

## 2021 EUROPEAN QUALITY ASSURANCE FORUM BUILDING TRUST AND ENHANCEMENT: FROM INFORMATION TO EVIDENCE

# DIGITAL TRANSFORMATION OF DATA IN QA PROCESSES: THE CASE OF TURKISH UNIVERSITIES



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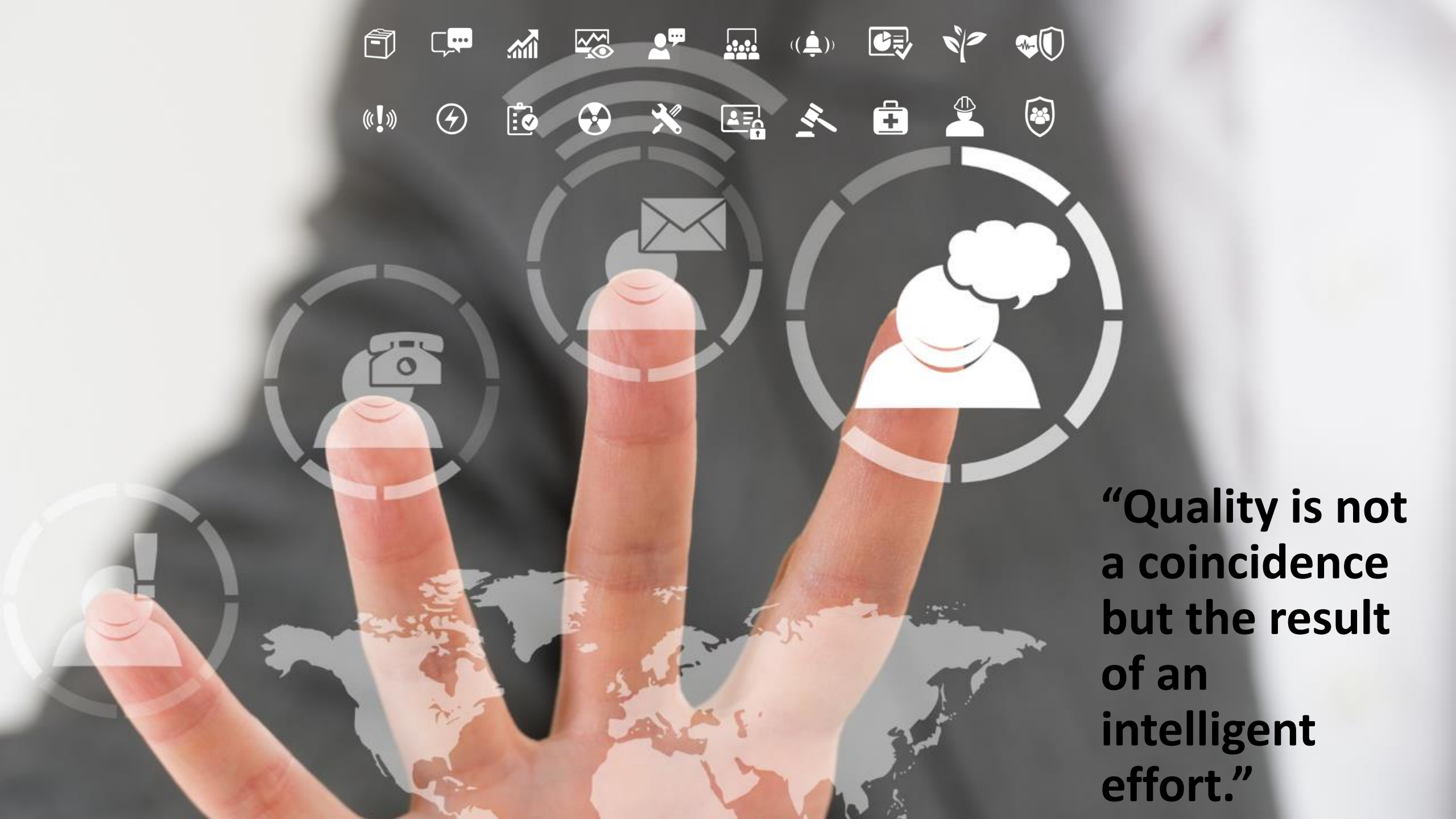


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# OUTLINE

- Sakarya University's Integrated Digital University Management System
- Yeditepe University's Integrated Digital Quality Management System
- Complementary relationship between the digital data management systems of these universities and the Turkish Higher Education Quality Council's (THEQC) Digital QA Management System
- An overview of the digitalization potential of Turkish universities in data management: presentation of survey results
- Questions for discussion



**“Quality is not  
a coincidence  
but the result  
of an  
intelligent  
effort.”**





***SABİS* AS AN INTEGRATED DIGITAL  
UNIVERSITY  
MANAGEMENT SYSTEM  
ADOPTED BY SAKARYA UNIVERSITY**

STRATEGIC PLAN

ISO 9000/2000 – EFQM - EUA

PROCESS MANAGEMENT

SERVICE INVENTORY

MISSION

Learning and  
Teaching  
Management  
System

Research and  
Development Ma  
nagement  
System

Application and  
Social Service  
Management  
System

**SABIS**  
DIGITAL  
UNIVERSITY  
MANAGEMENT  
SYSTEM

Corporate  
Management  
System

Administrative  
and  
Support Services  
Management

BOLOGNA PROCESS

ENTREPRENEURIAL AND  
INNOVATIVE UNIVERSITY INDEX

ACCREDITATION

CORPORATE IDENTITY





# SAKARYA UNIVERSITY'S INTEGRATED DIGITAL UNIVERSITY MANAGEMENT SYSTEM

 SAU MAIL	 ACADEMIC INFORMATION SYSTEM	 STUDENT INFORMATION SYSTEM	 COURSE AND TEACHING PLANS AND COURSE SCHEDULES	 COUNSELLING MANAGEMENT SYSTEM	 COURSE ENROLLMENT STATISTICS
 RECOGNITION OF PRIOR LEARNING	 LEARNING INFORMATION SYSTEM	 LEARNING SUPPORT SYSTEM	 COURSE SCHEDULES	 PROGRAM EVALUATION	 ADDITIONAL COURSES
 ACADEMIC ACTIVITIES	 ACADEMIC INCENTIVES	 SCIENTIFIC RESEARCH PROJECTS	 GRADUATE INFORMATION SYSTEM	 SAU AT A GLANCE	 MANAGER'S NOTEBOOK
 CORPORATE MANAGEMENT SYSTEM	 KALİTE YÖNETİM BİLGİ SİSTEMİ	 WEBSITE MANAGEMENT	 DIRECTORY	 DAILY FOOD MENU	 STAFF MANAGEMENT INFORMATION SYSTEM
 REGISTRAR'S INFORMATION SYSTEM	 ELECTRONIC DOCUMENT MANAGEMENT SYSTEM	 LODGING	 SABİS MESSAGE SYSTEM	 SPORTS FACILITIES APPOINTMENT SYSTEM	 ACCOUNT SETTINGS



***QDMS* AS AN INTEGRATED DIGITAL QUALITY  
MANAGEMENT SYSTEM  
USED BY YEDITEPE UNIVERSITY**

# YEDITEPE UNIVERSITY'S INTEGRATED DIGITAL QUALITY MANAGEMENT SYSTEM


The screenshot displays the user interface of the Yeditepe University's Integrated Digital Quality Management System. The top navigation bar is dark red and contains the following elements from left to right: the 'DMS' logo, the text 'Entegre Yönetim Sistemi', 'Sistem Akışı Tanımları', 'Bekleyen İşlemler', a search bar, the user profile 'SERFE İPEK KARAAĞA...', a star icon, a dropdown menu showing 'TR', and a notification icon. Below the navigation bar, a red tab labeled 'Bekleyen İşlemler' is active. The main content area features six white cards with a subtle drop shadow, arranged in a 2x3 grid. Each card contains an icon, a text label, and a numerical value. The cards are: 1. 'Documents pending check' with a folder icon and the number 1. 2. 'Documents pending approval' with a folder icon and the number 3. 3. 'List of must-read documents' with a folder icon and the number 145. 4. 'Corrective and preventive action list included in the information' with a bar chart icon and the number 8. 5. 'Responsibilities' with a lightning bolt icon and the number 1. 6. 'Trainings I will rate' with a group of people icon and the number 1.

Icon	Item	Count
	Documents pending check	1
	Documents pending approval	3
	List of must-read documents	145
	Corrective and preventive action list included in the information	8
	Responsibilities	1
	Trainings I will rate	1

Doküman Görme

- YEDİTEPE ÜNİVERSİTESİ
  - KALİTE GÜVENÇE SİSTEMİ
  - EĞİTİM - ÖĞRETİM
  - YÖNETİM VE İDARİ
    - İnsan Kaynakları ve Planlama Müdürlüğü
    - Satınalma Müdürlüğü
    - Öğrenci Kayıt İşlemleri Müdürlüğü
    - Uluslararası Ofis
    - Bilgi Merkezi Müdürlüğü
      - Organizasyon Şeması
      - Akış Şeması**
      - Listeler
      - Prosedürler
      - Talimatlar
      - Formlar
    - Yazı İşleri Müdürlüğü
    - İş Sağlığı Güvenliği ve Çevre Birimi Müdürlüğü
    - Kurumsal İletişim
    - Teknoloji Transfer Ofisi
    - Ayniyat
    - Bilgi İşlem
    - Hakediş ve Kesin Hesap
    - Kariyer Gelişim ve Mezunlarla İletişim
    - Kültür ve Spor
    - Temizlik Hizmetleri
    - Yapı ve Teknik İşler
    - Koruma ve Güvenlik
    - Denetim Müdürlüğü

Doküman Listesi Doküman Arama Hızlı Arama

D/K	Doküman Kodu	Dokümanın Klasörü	Doküman Adı	Doküman Tipi	Rev. No	Onay Tarihi	Hazırlayan	Revize Eden
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<a href="#">BİL.AŞ.01</a>	04.05.02 Akış Şeması	Yayın İstekleri	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.02</a>	04.05.02 Akış Şeması	Bağış Alma	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.03</a>	04.05.02 Akış Şeması	Dış Kullanıcılar	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.04</a>	04.05.02 Akış Şeması	Elektronik Kaynak Satınalma	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.05</a>	04.05.02 Akış Şeması	Kütüphaneler Arası Ödünç Alma	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.06</a>	04.05.02 Akış Şeması	Oryantasyon ve Eğitim	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.07</a>	04.05.02 Akış Şeması	Ödünç Alma İşlemleri	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.08</a>	04.05.02 Akış Şeması	Rezerv İşlemleri	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.09</a>	04.05.02 Akış Şeması	Üyelik İşlemleri	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.10</a>	04.05.02 Akış Şeması	Coadsys İşlemleri	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.11</a>	04.05.02 Akış Şeması	Katologlama İşlemleri	AKIŞ ŞEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER
	<a href="#">BİL.AŞ.12</a>	04.05.02 Akış Şeması	Okuyucu Hizmetleri Engelli	AKIŞ SEMASI	0	26.6.2018	BİHTER EFEER	BİHTER EFEER

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Sayfa Boyutu: 15

**COMPLEMENTARITY BETWEEN *QDMS*, *SABIS*,  
AND *THEQC'S DIGITAL QA MANAGEMENT  
SYSTEM***



## Quality Assurance Management Information System



Administration



Evaluator System



Accreditation Institutions System



Program Evaluation System



Feedback Management System



Strategic Plan Management



Information Portal



e-Learning Platform



BelgeNet



Email

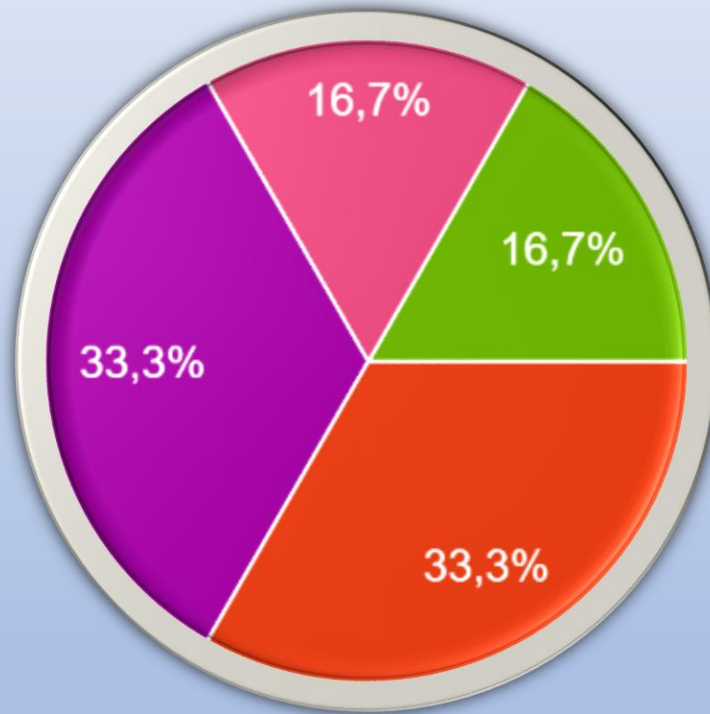
# **RESULTS OF THE SURVEY ON THE DIGITALIZATION POTENTIAL OF TURKISH UNIVERSITIES IN DATA MANAGEMENT**

## 1) What functions do digital data fulfill in the university? (What do digital data mean for the university?)



- It is data produced only for use by the Learning Management System (LMS).
- It is data produced only for use by the University Information Management System (MIS).
- It is data produced only for use by the Quality Information Management System (QIMS).
- It is the essential component of the digital campus created by the Learning Management System (LMS), University Information Management System (MIS), and Quality Information Management System (QIMS).

## 2) Who and/or which unit controls the content of digital data in the university?



- Rector and/or vice-rector responsible for the quality
- Quality commissions and/or other relevant quality units
- Faculty administrators (deans)
- Heads of departments/programs and faculty members
- IT department and/or secretary-general
- Controlled by all internal and external stakeholders, including students
- Institutional Data Management and Analytics Coordinatorship under the control of the relevant vice-rectors
- Controlled by different units based on authority, depending on the content of the data.

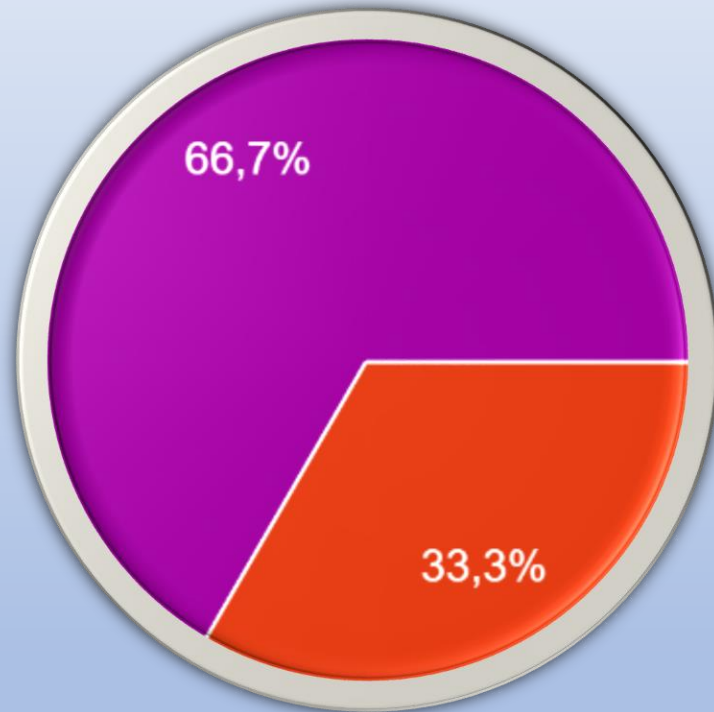


### 3) Whose interests are prioritized in the university's digital QA processes?



- ☒ The interests of academic and administrative staff are prioritized.
- ☐ Students' interests are prioritized.
- ☐ The interests of external stakeholders are prioritized.
- ☐ The common interests of all internal and external stakeholders of the university are prioritized.

#### 4) How are the outcomes obtained through digital data checked for effectiveness and results?



- By measuring convergences and deviations from the targets and strategies set within the digital data policy
- Through performance indicators related to digital data management and corporate performance management, and monitoring the compliance of results on these indicators with the university's internal QA system
- Through the number of university-specific digital and innovative applications, some of which are taken as examples by other universities
- Through the opinions of internal and external stakeholders
- All of the above

# DISCUSSION

**The issues and survey results addressed pose the following questions:**

- 1. Does digital data prevent some decisions and practices from being seen?**
- 2. Are there any elements that are lost with digital datafication compared to previous bureaucratic methods?**



THANK  
YOU