



kTI, a self-assessment IT Governance system

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- 1. UNIVERSITIC**
- 2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)**
- 3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM**
- 4. PILOT PROJECT TO EVALUATE THE MATURITY OF IT GOVERNANCE AT SUE**
- 5. CONCLUSIONS**



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1. UNIVERSITIC

2011

IT GOVERNANCE

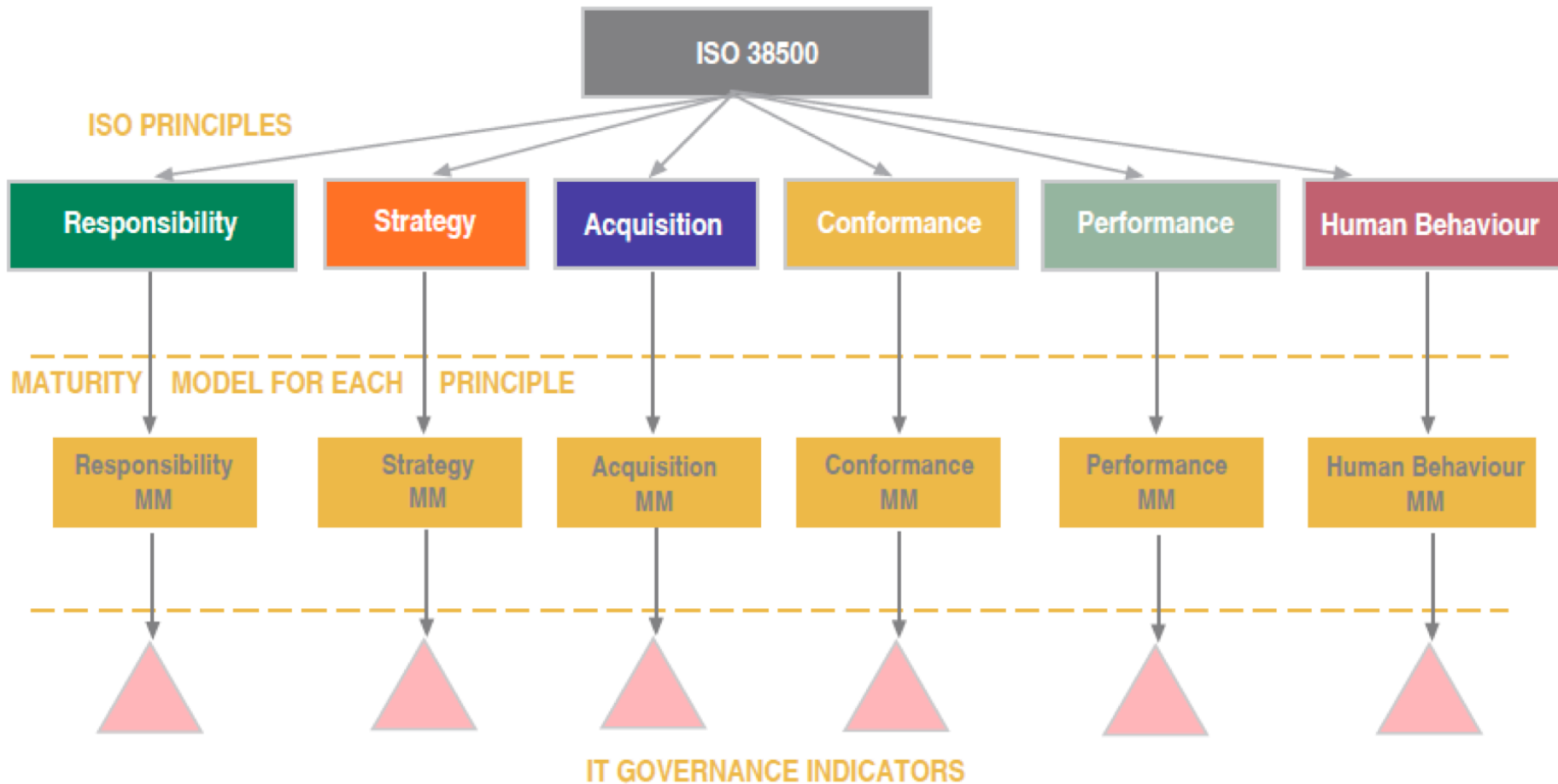
IT MANAGEMENT

IT DESCRIPTION



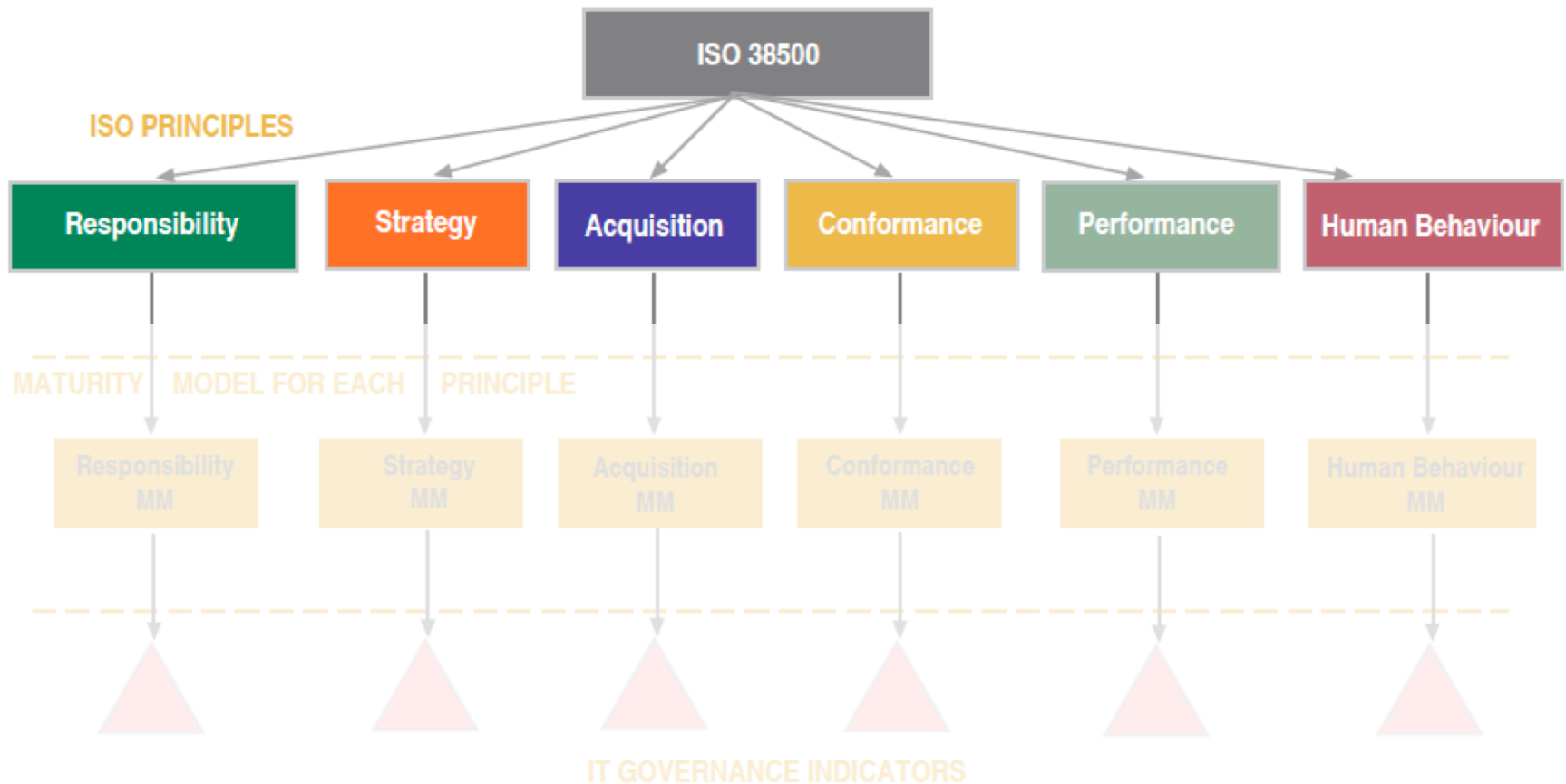
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2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)



2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)

2.1. ISO 38500 Layer





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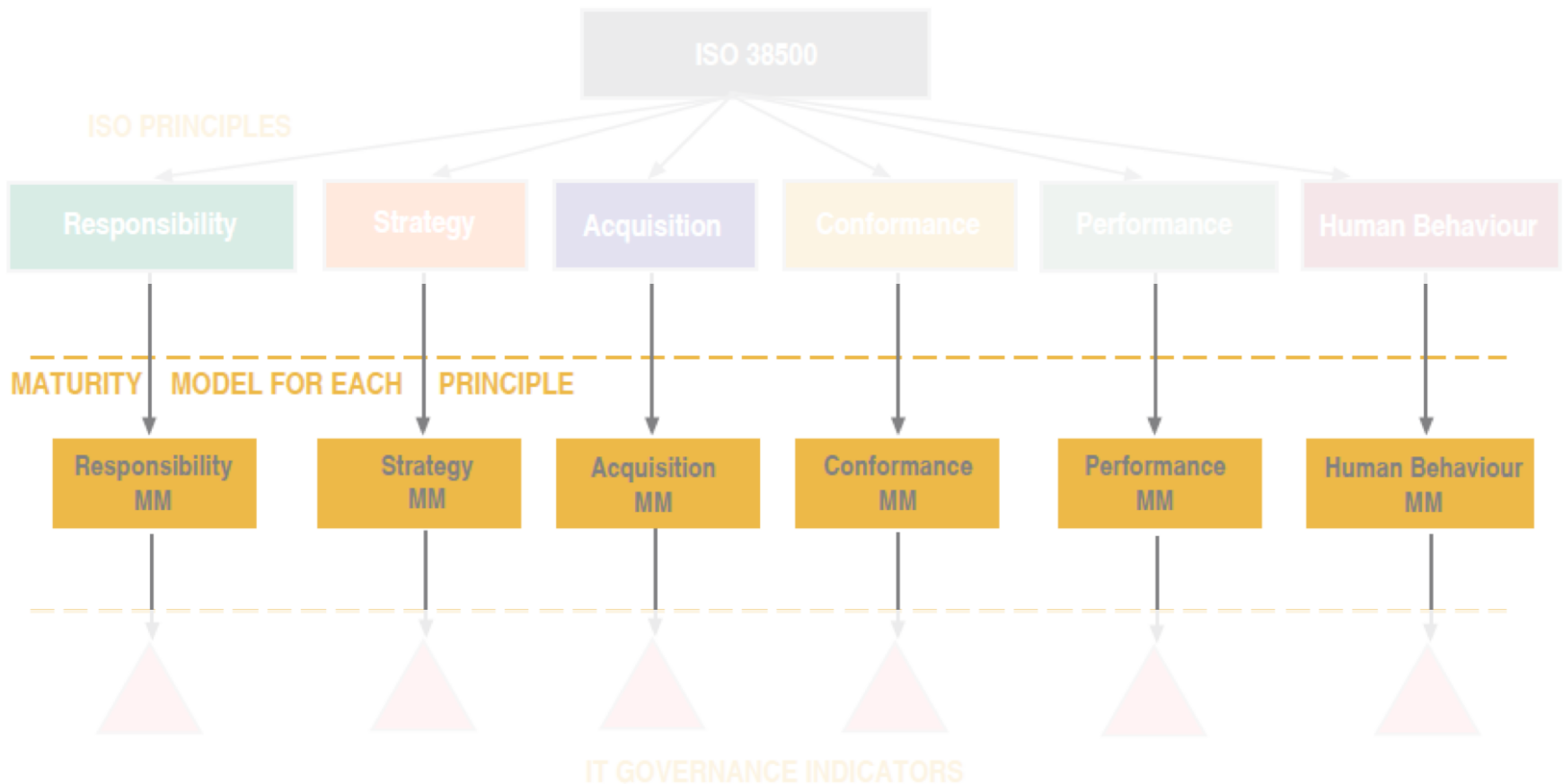
2.1. ISO 38500 Layer

ISO 38500 is included in this level through its:

- IT Governance model (Evaluate, Direct and Monitor)
- 6 IT governance principles (Responsibility, Strategy, Acquisition, Performance, Conformance and Human Behaviour)
- Guidance and practices required to implement the principles

2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)

2.1. Maturity Models Layer





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2.1. Maturity Models Layer

- 6 tables which each one describes 6 different maturity levels for one of the principles of the ISO 38500.
- A university will have to determine the status of each of the IT principles within this model



2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)

2.1. Maturity Models Layer

Maturity Model for the principle Responsibility

	Evaluate	Direct	Monitor
0	Directors have not been assigned responsibilities in relation to IT	Directors do not make decisions related to IT	Directors don't monitor the performance of persons responsible for IT
1	Directors have been assigned responsibilities related to IT management Directors assign responsibilities based on their own criteria because don't know reference models	Directors oversee the management of IT but not in a planned way Most decisions are made by IT managers and confirm later by Directors	Directgors carry out informal monitoring responsibilities related to IT management



2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)

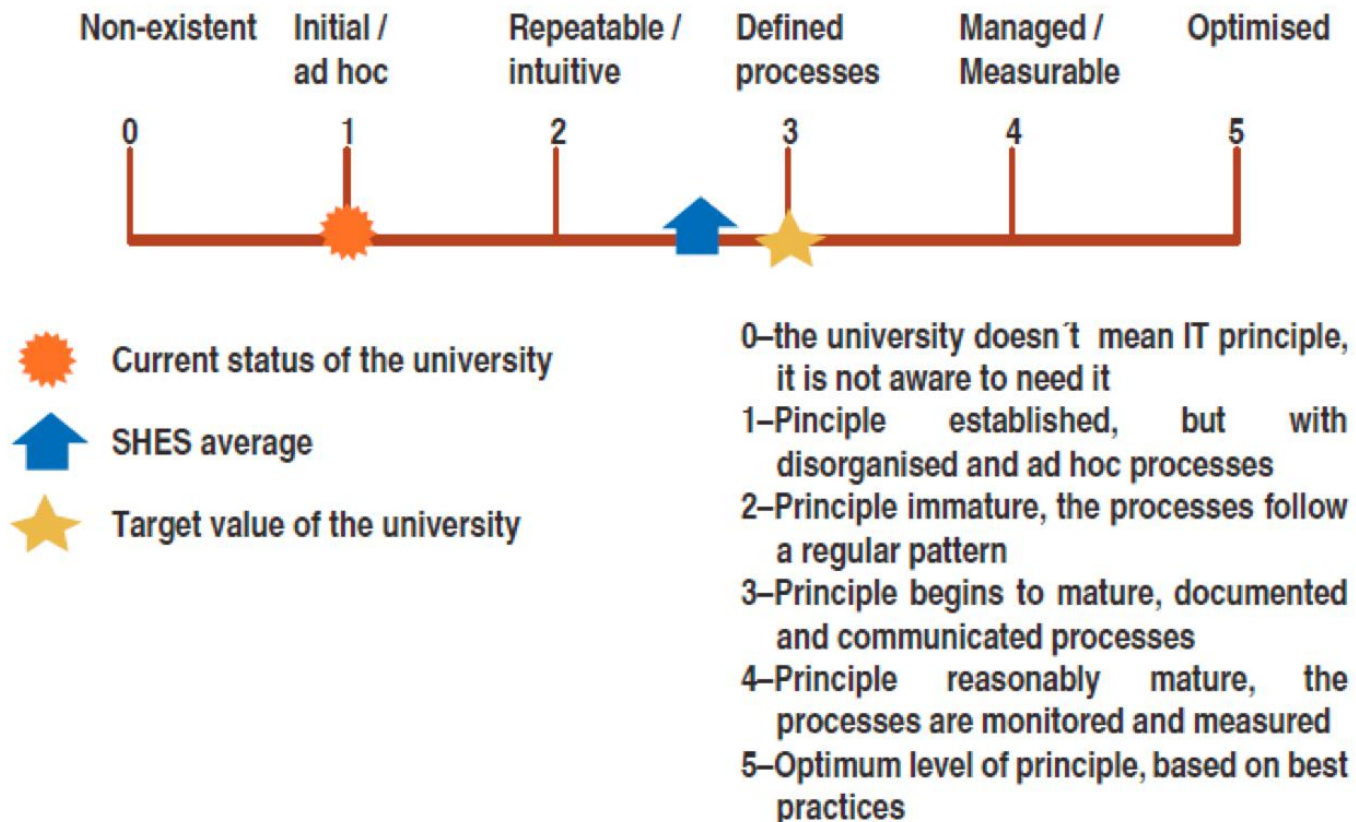
2.1. Maturity Models Layer

Maturity Model for the principle Responsibility

	Evaluate	Direct	Monitor
5	Directors regularly review the models and options to assign responsibilities	<p>Directors have ensured that the entire university is involved in IT governance</p> <p>Directors receive the information they need to make decisions and promote the pursuit of other interesting information proactively</p> <p>Director communicate the results of the IT governance processes compared to other universities</p>	<p>Directors periodically measure the maturity of the IT governance mechanisms</p> <p>Directors periodically checks if are been understood and been executed the responsibilities assigned or reassigned</p> <p>Directors monitor the performance of persons responsible for IT and communicate the results to the stakeholders</p>

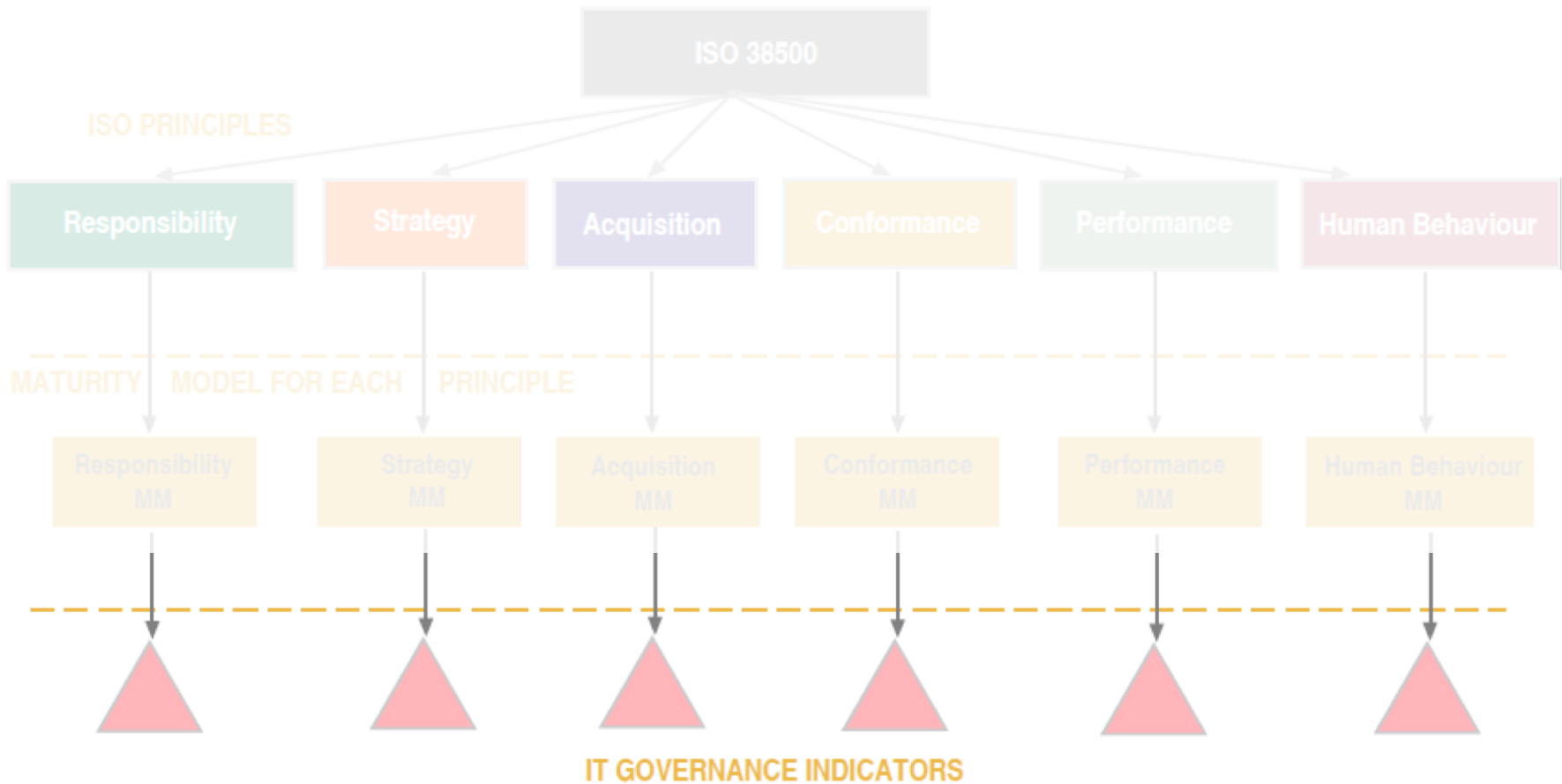
2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)

2.1. Maturity Models Layer



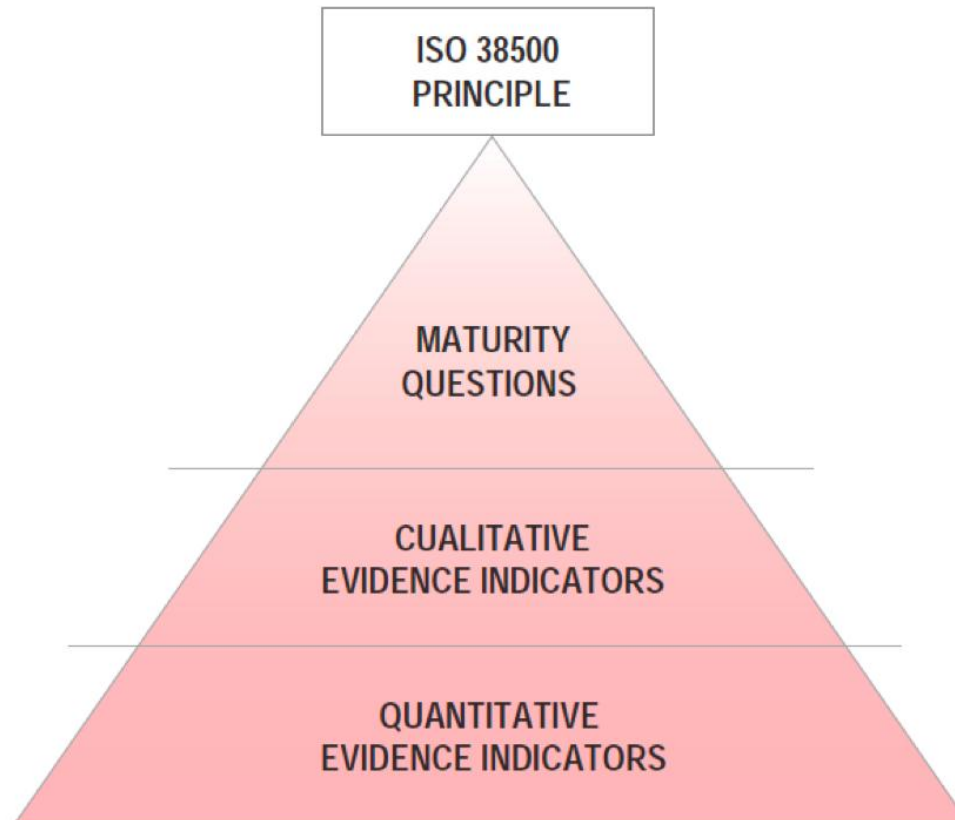
2. IT GOVERNANCE MODEL FOR UNIVERSITIES (GTI4U)

2.1. IT governance indicators layer



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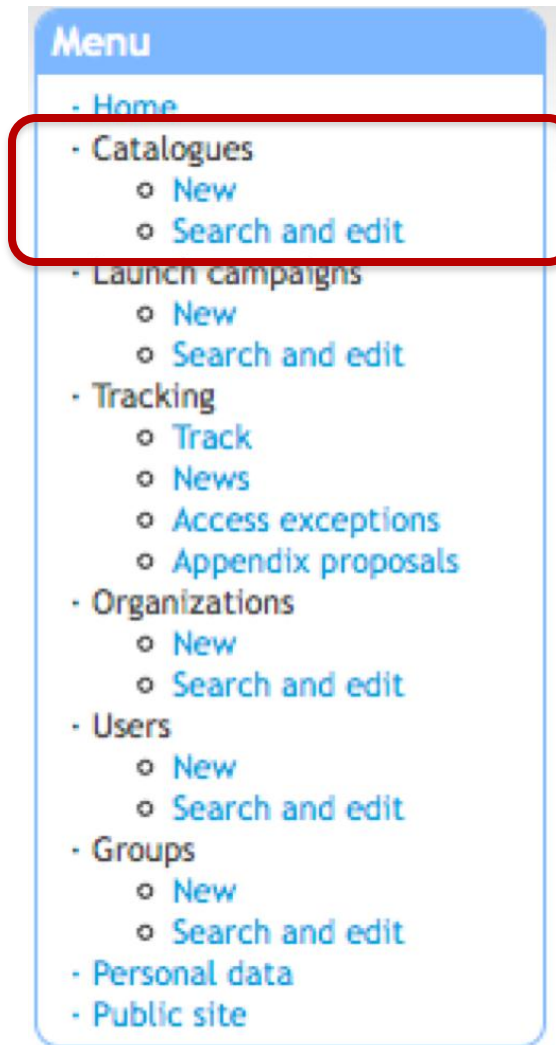
kTI, a self-assessment
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3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

- A web software developed by CRUE in 2011
- Facilitate the analysis of the maturity of the implementation, management and governance of the IT within an organization or set of them at once.
- Run a self-assessment using the GTI4U model so establish the maturity level of a university in relation to the principles of ISO 38500

kTI becomes the first to achieve it!

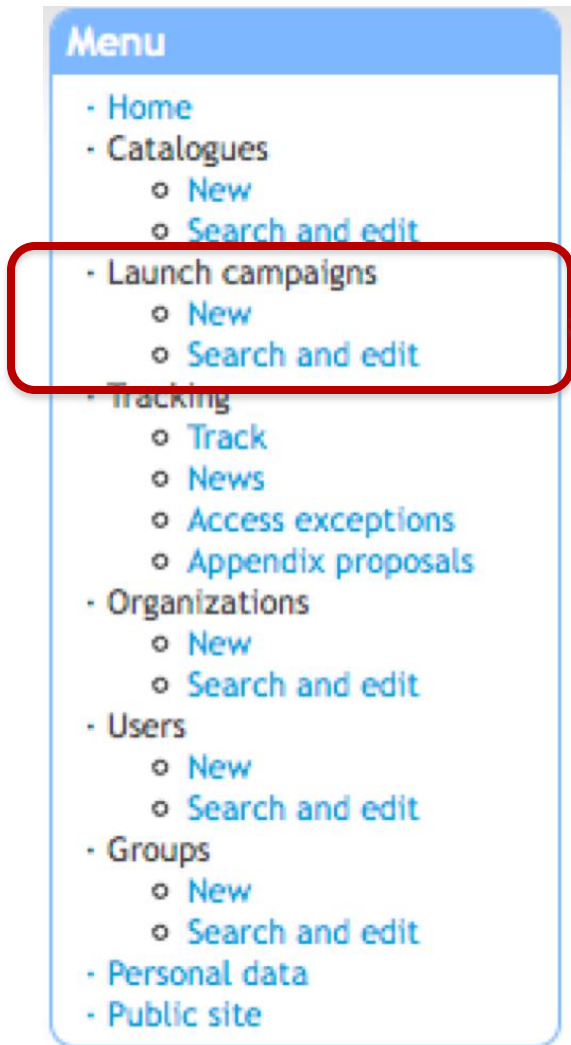
3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM



Create and edit new catalogues of IT indicators

Use three catalogs of UNIVERSITIC 2011

3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

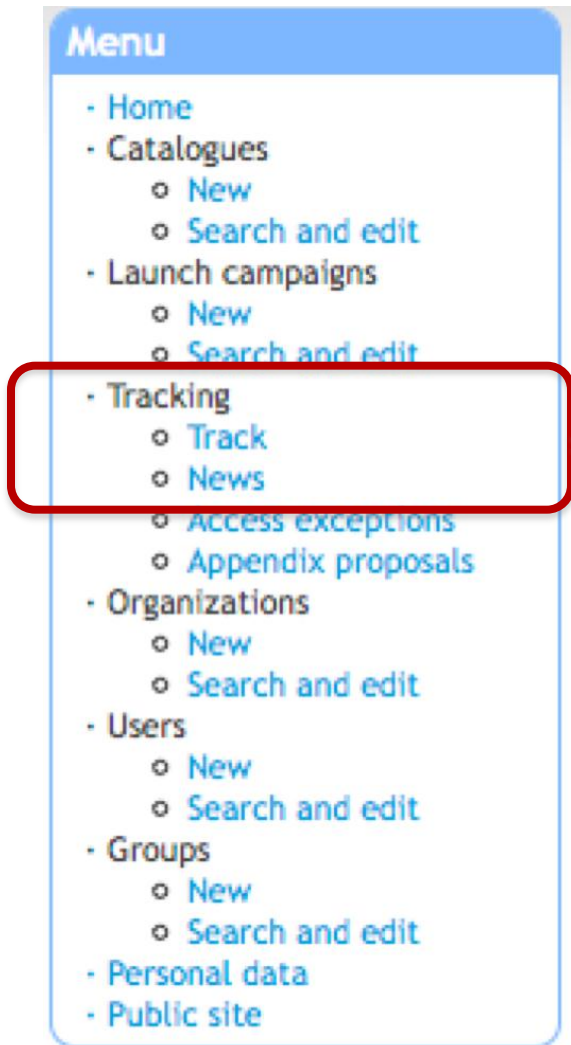


Set the main dates of a campaign

Determine the participating organizations

Select the catalog of indicators to be used

3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM



Track the organizations
interaction with the system

Create and communicate
news



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3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

Main menu



SUE: Sist. Univer. Español

Campaign: UNIVERSITIC 2011

language | contact | help | log out | 6/7/11

IT Description

Apr 5 - May 12

Finished

IT Management

Apr 5 - May 12

Finished

IT Governance

Reports

- Scorecards
- Forms
- Information

Administration

- User Management
- Change password



3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

Collect the values of indicators

IT Description	100%
0.General indicators	100%
Objective 0.1	12/12 - 100%
1.Teaching and Learning	100%
Objective 1.1	9/9 - 100%
Objective 1.2	5/5 - 100%
2.Research	100%
Objective 2.1	1/1 - 100%
Objective 2.2	3/3 - 100%
Objective 2.3	3/3 - 100%
3.Management Processes	100%
Objective 3.1	2/2 - 100%
Objective 3.2	2/2 - 100%
Objective 3.3	5/5 - 100%
4.Information Management	100%
Objective 4.1	5/5 - 100%
Objective 4.2	2/2 - 100%
Objective 4.3	3/3 - 100%

IT Description

Teaching and Learning

Supporting and promoting E-Learning

Show all (8)
Show completed (5/5)
Show pending (0/5)

✓ **NBPDVIRTUAL** Number of E-Learning best practices implemented (to chose at the appendix)

Campaign	Value	Mean	Deviation	Percentil	Num. samples	Sample date
2011	15.00	14.93	0.07 +0,49%	42	61	
2010	New indicator without value in the campaign					

✓ **PBPDVIRTUAL** Percent of E-Learning best practices implemented

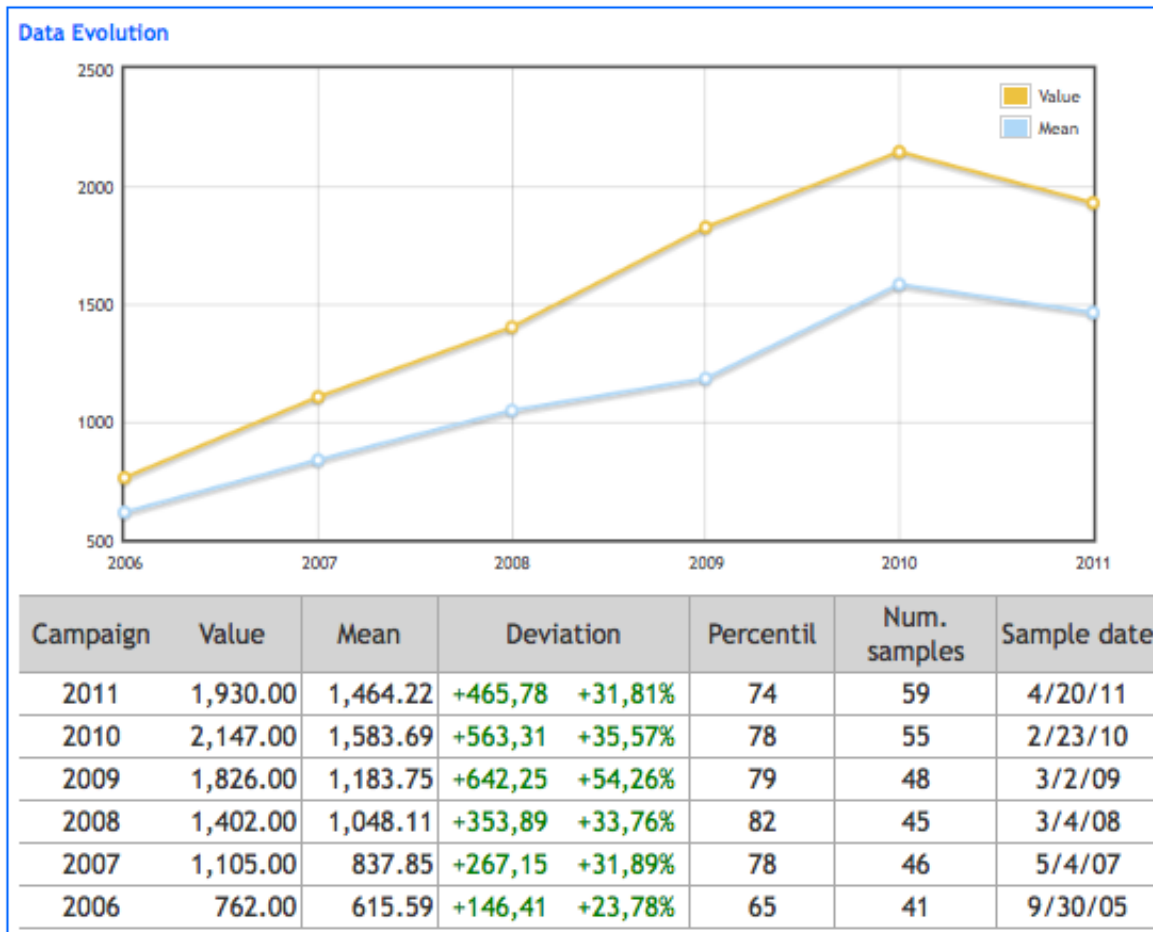
Campaign	Value	Mean	Deviation	Percentil	Num. samples	Sample date
2011	0.71	0.71	0.00 +0,49%	42	61	
2010	New indicator without value in the campaign					



3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

Historical of indicators

NPDIDV Number of teachers who use de official E-Learning platform





3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

Scorecards

Scorecards

Select scorecard Variables UNIVERSITIC 2011

Variables UNIVERSITIC 2011

Todos los indicadores tipo variable que se han introducido

Summary

Positive deviation: 74 (57.81%) Negative deviation: 50 (39.06%)
No available: 4 (3.12%) No filled: 0 (0.00%)

IT Description

- D. General indicators
 - 1. Teaching and Learning
 - 1.1. Supporting classroom learning with IT

NAULASB	458.00 (+79,39%)	NAULASA1	99.00 (+323,15%)	NAULASA2	10.00 (-40,44%)
NAULASA3	0.00 (-100,00%)	NOLIBRE	1,249.00 (+68,41%)	NPORTATILES	168.00 (-76,11%)
NPAULAMOVIL	455.00 (+516,87%)	NCONWIFI	4,456,968.00 (+130,52%)	NUSUARIOSWIFI	29,826.00 (+109,59%)

- 1.2. Supporting and promoting E-Learning

NPDIDV	1,930.00 (+31,81%)	NEDV	27,076.00 (+35,94%)	NTTULANP	0.00 (-100,00%)
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3. kTI: A SELF-ASSESSMENT IT GOVERNANCE SYSTEM

Consensus window

Consensus of Evidence Indicators

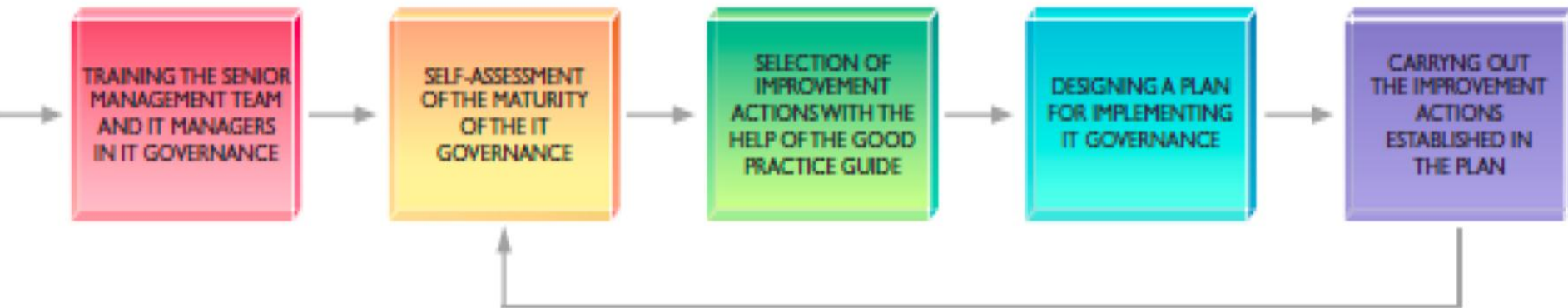
Members of ITG Committee:	1	2	3	4	5	6	7	8	9	10	11	12	PROPOSED CONSENSUS	AGREED CONSENSUS
RE1	Ns	Ns	Ns	No	Ns	Nc	No	Ns	No	Nc	Nc	Nc	No	No
RE2	Ns	No	Ns	No	No	Nc	No	No	No	Nc	Nc	Nc	No	No
RC1	ND	Nd	ns	10	ND	ND	4	ND	ND	ND	ND	ND	7	7
RE3	No	Yes	Yes	No	Yes	Nc	Yes	Ns	Yes	Nc	Nc	Nc	No	Yes
RE4	No	Yes	Ns	No	Yes	No	No	No	No	Nc	Nc	Nc	No	No
RE5	No	No	No	No	Ns	No	Yes	No	No	Nc	Nc	Nc	No	No
RE6	No	No	Ns	No	No	No	No	No	No	Nc	Nc	Nc	No	No
RE7	No	No	Ns	No	Yes	Nc	Yes	No	Ns	Nc	Nc	Nc	No	No



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4. PILOT PROJECT TO EVALUATE THE MATURITY OF IT GOVERNANCE AT SUE

- Evaluate the IT governance maturity at four universities
- Using kTI
- Results at October 2011





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5. CONCLUSIONS

- UNIVERSITIC three indicators catalogues (description, management and governance) aim to review the global status of IT at a university or a set of them
- KTI facilitate the survey and has become the first system that allows to perform self-assessment of the maturity of each of the principles the ISO 38500 standard.
- This tools provide information in order to compare universities and to design global improvement actions at SUE
- European universities will be able to use it without having to make significant changes



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THANKS!

If you are interested in UNIVERSITIC project, GTI4U model or kTI system please contact us at

univerisitic@crue.org