ATHENS
Exchange Program Survey

November 2015

Institutional Studies and Planning Office
A. Sevinate Pontes

SURVEY GOALS

To take stock of **ATHENS Program sessions**, which take place twice a year during March and November, aiming to achieve continuous quality improvement of the **Instituto Superior Técnico** exchange programs.

Commissioned by the **Student Support Unit (NAPE)**, in charge of the organization and coordination of the cultural program and students social integration, in cooperation with the **International Area (AI)**, the survey brings together issues that intend to measure students motivation and preparation, cultural activities and programme satisfaction, and acquired knowledgement by the participants.

To measure participants' satisfaction level and possible improvements in **ATHENS Program sessions**.

Survey method
Online survey.

Number of participants
Respondents are all participants in the sessions of the ATHENS exchange program - students from European universities, aged between 18 and 25.
November 2015: 80 participants in ATHENS exchange programme.

Survey conduction
Conducted to each session of the ATHENS exchange program, immediately after the program (23rd November) with a deadline of seven days for the submission of responses.
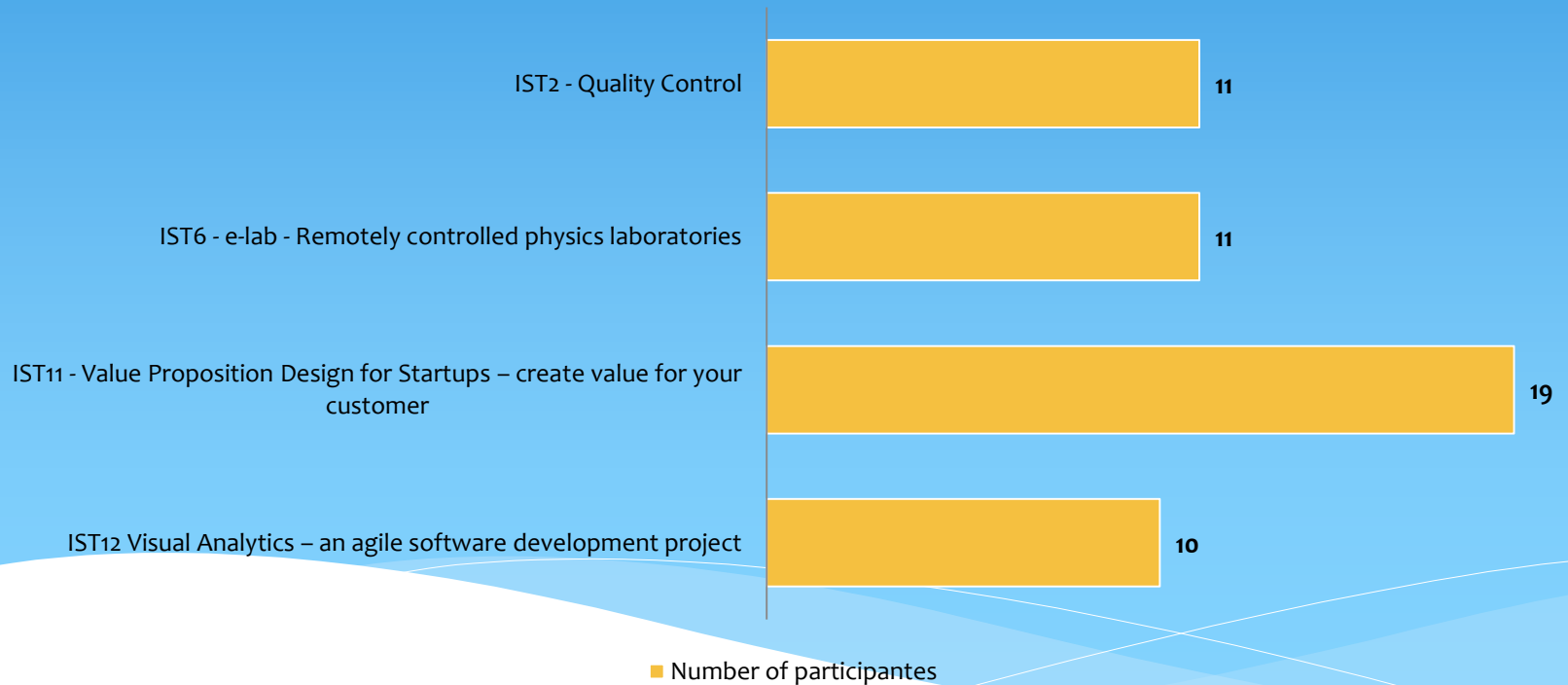The response rate was 80% (64 responses).

RESULTS AND ANALYSIS

1. MOTIVATION AND PREPARATION

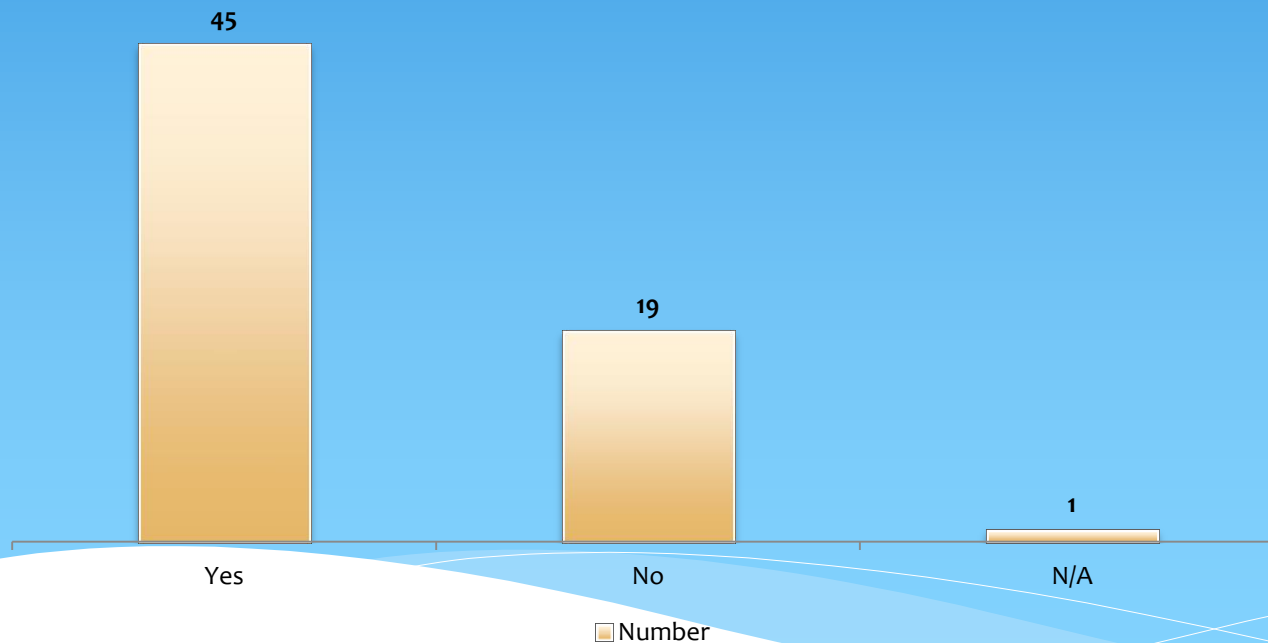## If not, what is your field of study

- ■ Automation engineering
- ■ Chemical Engineering
- ■ Computer science
- ■ Financial Mathematics
- ■ Mathematics
- ■ Transport engineering
- ■ Biomedical engineering
- ■ Chemistry
- ■ Data science
- ■ Industrial engineering
- ■ Mathematics, probabilities, data sciences
- ■ Biomedical information Processing
- ■ Civil Engineering
- ■ Electrical Engineering
- ■ Mathematics
- ■ Mechanics and materials

RESULTS AND ANALYSIS

1. MOTIVATION AND PREPARATION

If not, what is your field of study
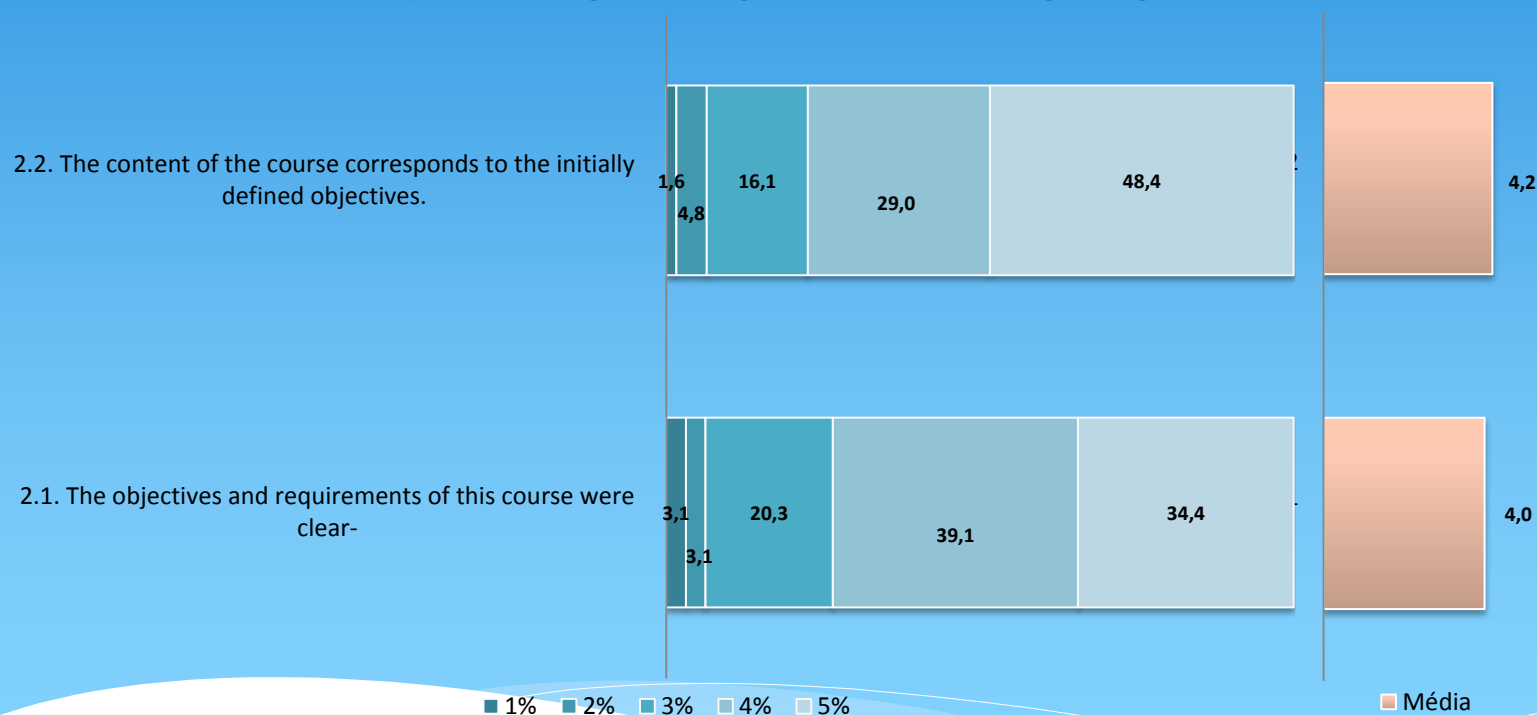
1.1.Which course did you take	automation engineering	biomedical engineering	Biomedical information processing	Chemestry	Chemical Engineering	Civil Engineering	Computer science	data science	Electrical engineering	Financial Mathematics	Industrial engineering	mathematics	Mathematics, probabilities, data sciences	Mechanics and materials	Transport engineering	TOTAL
IST10 - Plasma Science and Technology		1			1									1		3
IST11 - Value Proposition Design for Startups – create value for your customer				1		1	1		2			1			1	7
IST12 - Visual Analytics – an agile software development project			1								1	1				3
IST2 - Quality Control	1															1
IST6 - e-lab - Remotely controlled physics laboratories								1	1	1	1		1			5
TOTAL	1	1	1	1	1	1	1	1	3	1	2	2	1	1	1	19

RESULTS AND ANALYSIS

2. COURSE ORGANISATION

Scale from 1 to 5 (1= Strongly disagree , 5 = Strongly agree)

2.2. The content of the course corresponds to the initially defined objectives.

1,6
4,8
16,1
29,0
48,4
4,2

2.1. The objectives and requirements of this course were clear-

3,1
3,1
20,3
39,1
34,4
4,0

■ 1%   ■ 2%   ■ 3%   ■ 4%   ■ 5%   ■ Média

RESULTS AND ANALYSIS

2. COURSE ORGANISATION

Scale from 1 to 5 (1= Strongly disagree , 5 = Strongly agree)

2.1. The objectives and requirements of this course were clear	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology		7,7	7,7	69,2	15,4
IST11 - Value Proposition Design for Startups – create value for your customer	5,3	5,3		15,8	73,7
IST12 - Visual Analytics – an agile software development project			30,0	60,0	10,0
IST2 - Quality Control		9,1	45,5	27,3	18,2
IST6 - e-lab - Remotely controlled physics laboratories	9,1		27,3	36,4	27,3
TOTAL	**3,1**	**3,1**	**20,3**	**39,1**	**34,4**
2.2. The content of the course corresponds to the initially defined objectives.	**1%**	**2%**	**3%**	**4%**	**5%**
IST10 - Plasma Science and Technology		8,3	8,3	41,7	41,7
IST11 - Value Proposition Design for Startups – create value for your customer		5,6		5,6	88,9
IST12 - Visual Analytics – an agile software development project			20,0	40,0	40,0
IST2 - Quality Control		9,1	36,4	36,4	18,2
IST6 - e-lab - Remotely controlled physics laboratories	9,1		27,3	36,4	27,3
TOTAL	**1,6**	**4,8**	**16,1**	**29,0**	**48,4**

RESULTS AND ANALYSIS
3. PROFESSOR RESPONSIBILITY AND SKILLS
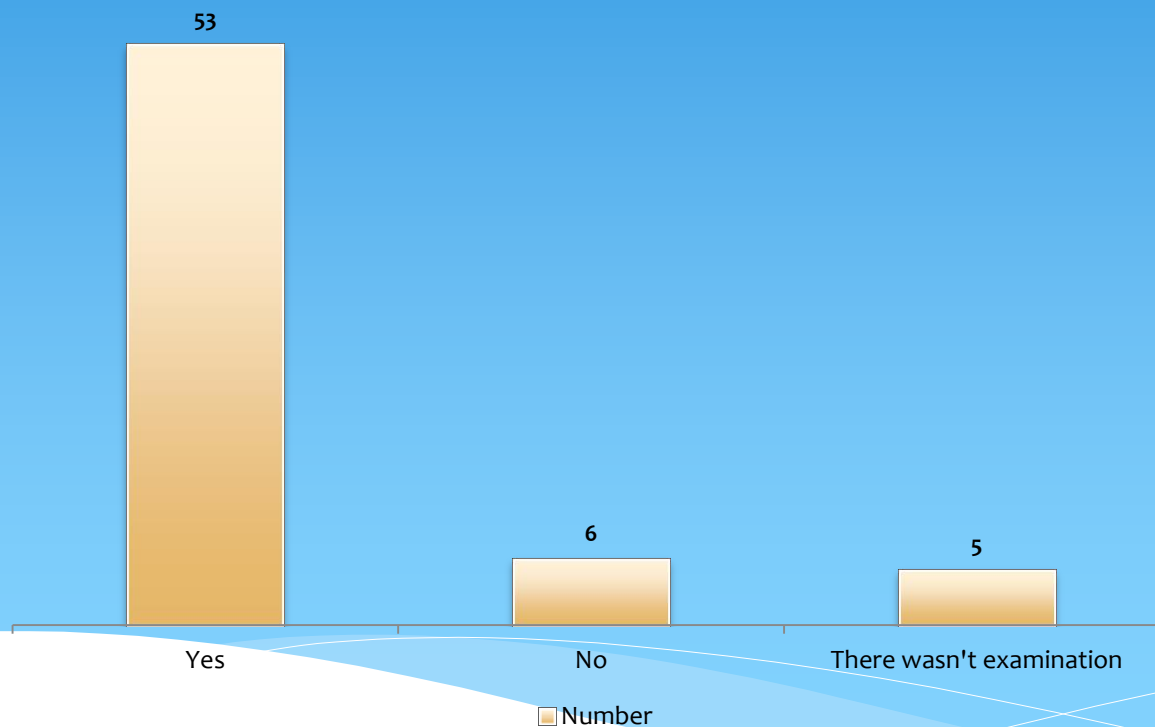
Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

3.1 The professor was effective as a lecturer and/or class leader.

| 1,6 | 4,8 | 22,6 | 19,4 | 51,6 | **4,1** |

3.2. The Professor's presentations were clear and organized.

| 1,6 | 15,6 | 12,5 | 28,1 | 42,2 | **3,9** |

3.3. The students had sufficient opportunities to discuss relevant topics in class.

| 4,8 | 6,3 | 11,1 | 23,8 | 54,0 | **4,2** |

3.4. The professor was available and helpful to students.

| 3,1 | 4,7 | 4,7 | 15,6 | 71,9 | **4,5** |

3.5. The professor was concerned in student learning and development.

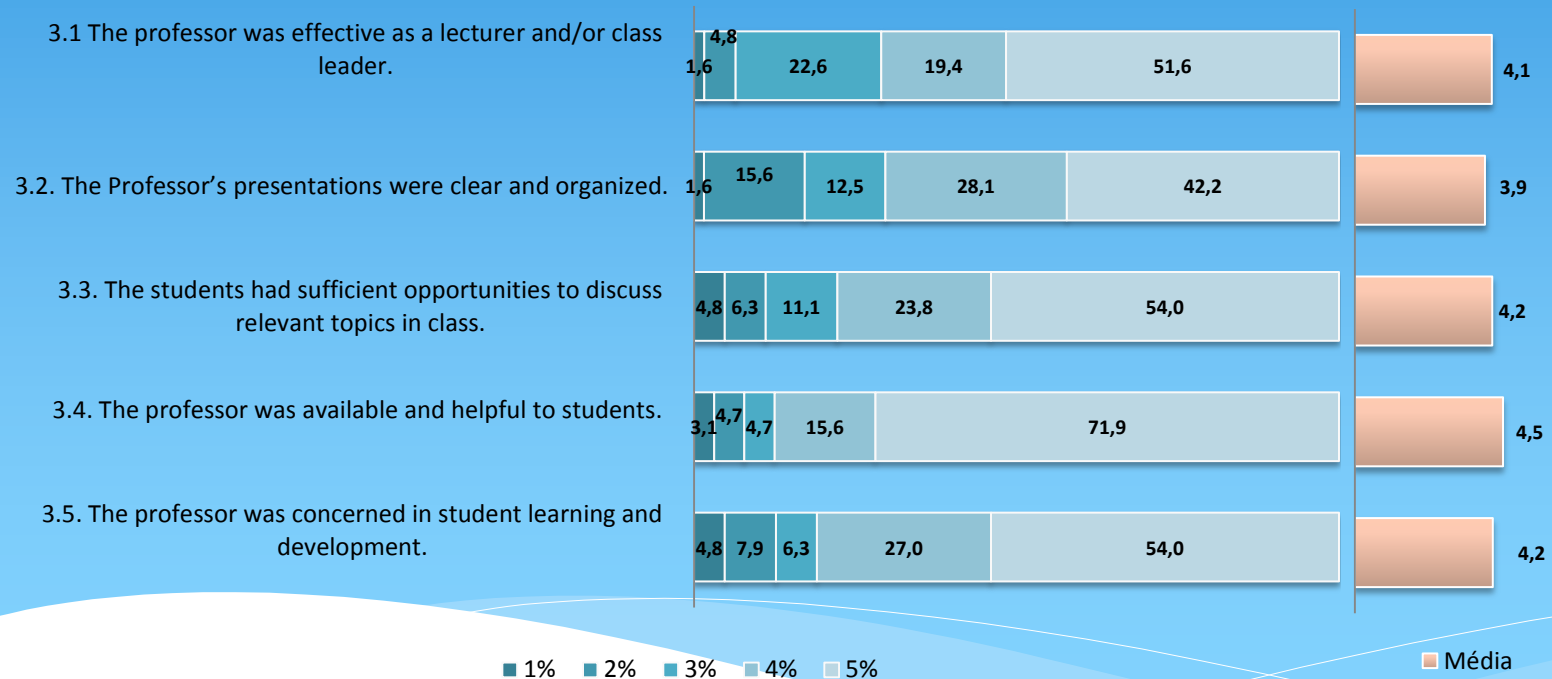| 4,8 | 7,9 | 6,3 | 27,0 | 54,0 | **4,2** |

■ 1%   ■ 2%   ■ 3%   ■ 4%   □ 5%   ■ Média

RESULTS AND ANALYSIS
3. PROFESSOR RESPONSIBILITY AND SKILLS

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

	1%	2%	3%	4%	5%
3.1 The professor was effective as a lecturer and/or class leader.					
IST10 - Plasma Science and Technology			25,0	25,0	50,0
IST11 - Value Proposition Design for Startups – create value for your customer	5,6		0,0	0,0	94,4
IST12 - Visual Analytics – an agile software development project			20,0	40,0	40,0
IST2 - Quality Control		18,2	36,4	27,3	18,2
IST6 - e-lab - Remotely controlled physics laboratories		9,1	45,5	18,2	27,3
TOTAL	**1,6**	**4,8**	**22,6**	**19,4**	**51,6**
3.2. The Professor's presentations were clear and organized.	**1%**	**2%**	**3%**	**4%**	**5%**
IST10 - Plasma Science and Technology			23,1	46,2	30,8
IST11 - Value Proposition Design for Startups – create value for your customer	5,3		0,0	10,5	84,2
IST12 - Visual Analytics – an agile software development project		10,0	20,0	40,0	30,0
IST2 - Quality Control		45,5	18,2	27,3	9,1
IST6 - e-lab - Remotely controlled physics laboratories		36,4	9,1	27,3	27,3
TOTAL	**1,6**	**15,6**	**12,5**	**28,1**	**42,2**
3.3. The students had sufficient opportunities to discuss relevant topics in class.	**1%**	**2%**	**3%**	**4%**	**5%**
IST10 - Plasma Science and Technology		16,7	16,7	33,3	33,3
IST11 - Value Proposition Design for Startups – create value for your customer	5,3		0,0	5,3	89,5
IST12 - Visual Analytics – an agile software development project		0,0	20,0	20,0	60,0
IST2 - Quality Control	9,1	9,1	27,3	36,4	18,2
IST6 - e-lab - Remotely controlled physics laboratories	9,1	9,1	0,0	36,4	45,5
TOTAL	**4,8**	**6,3**	**11,1**	**23,8**	**54,0**

RESULTS AND ANALYSIS
3. PROFESSOR RESPONSIBILITY AND SKILLS

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

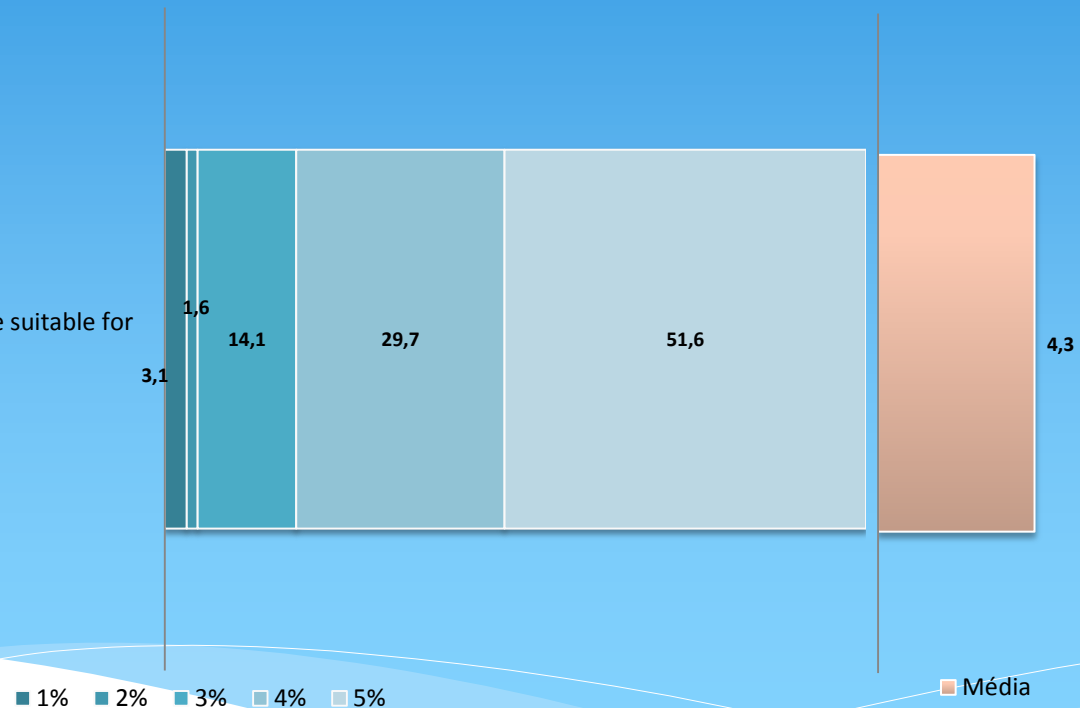| 3.4. The professor was available and helpful to students.	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology		0,0	15,4	23,1	61,5
IST11 - Value Proposition Design for Startups – create value for your customer	5,3		0,0	0,0	94,7
IST12 - Visual Analytics – an agile software development project		20,0	0,0	50,0	30,0
IST2 - Quality Control	0,0	0,0	0,0	18,2	81,8
IST6 - e-lab - Remotely controlled physics laboratories	9,1	9,1	0,0	9,1	72,7
TOTAL	**3,1**	**4,7**	**3,1**	**17,2**	**71,9**
3.5. The professor was concerned in student learning and development.	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology		7,7	7,7	61,5	23,1
IST11 - Value Proposition Design for Startups – create value for your customer		5,3		5,3	89,5
IST12 - Visual Analytics – an agile software development project		10,0	10,0	40,0	40,0
IST2 - Quality Control	10,0	0,0	10,0	20,0	60,0
IST6 - e-lab - Remotely controlled physics laboratories	18,2	18,2	9,1	18,2	36,4
TOTAL	**4,8**	**7,9**	**6,3**	**27,0**	**54,0**

RESULTS AND ANALYSIS
4. GENERAL CONDITIONS

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agre**e**)

4.1 Classroom setup and equipment were suitable for this course.

3,1 | 1,6 | 14,1 | 29,7 | 51,6 | 4,3

■ 1% ■ 2% ■ 3% ■ 4% ■ 5%   ■ Média

RESULTS AND ANALYSIS
4. GENERAL CONDITIONS

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

4.1. Classroom setup and equipment were suitable for this course.	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology			7,7	38,5	53,8
IST11 - Value Proposition Design for Startups – create value for your customer	5,3	5,3		26,3	63,2
IST12 - Visual Analytics – an agile software development project				40,0	60,0
IST2 - Quality Control	9,1	9,1	36,4	18,2	27,3
IST6 - e-lab - Remotely controlled physics laboratories T			27,3	27,3	45,5
TOTAL	**3,1**	**1,6**	**14,1**	**29,7**	**51,6**
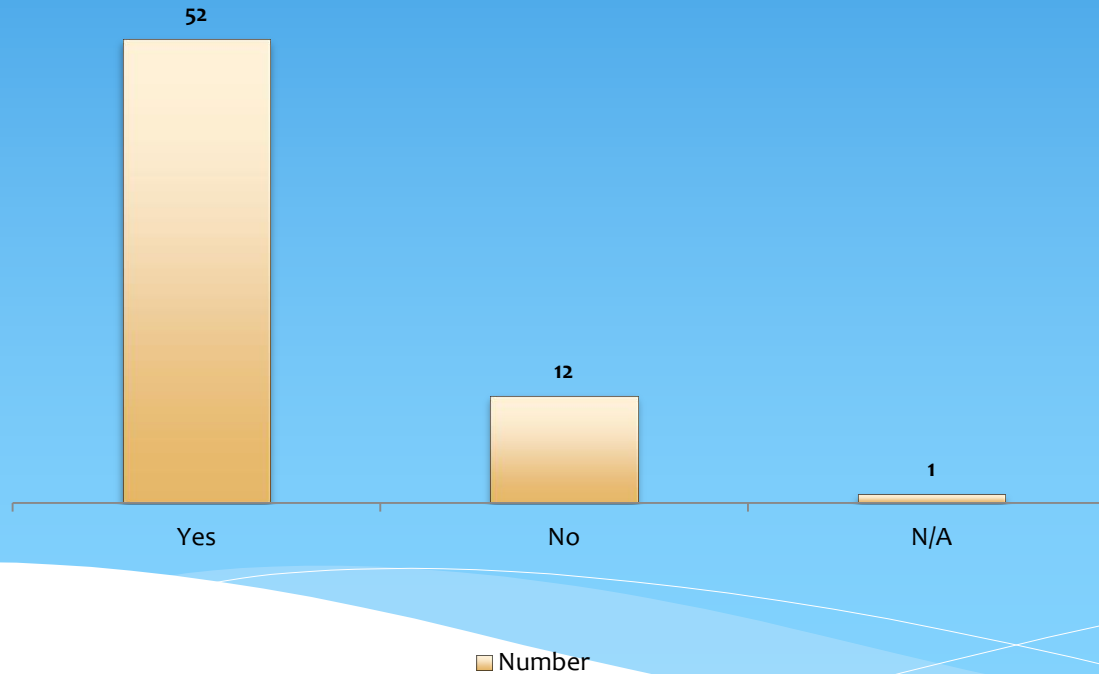
Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

4.2.1 The provided accommodation had a good price/quality relation.
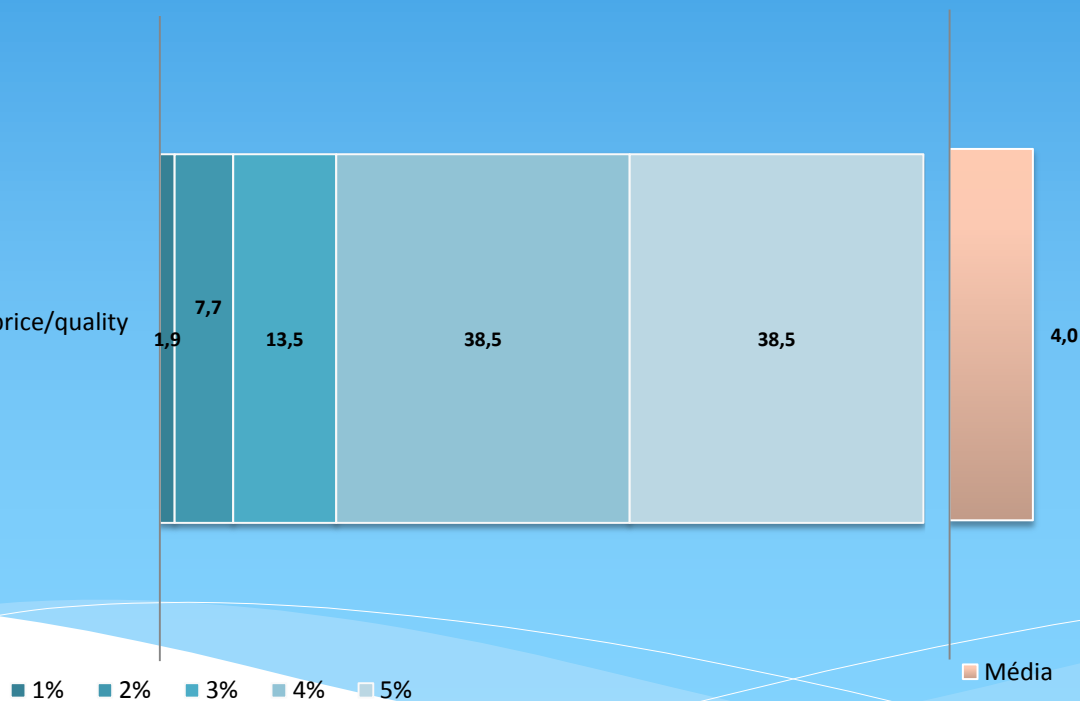
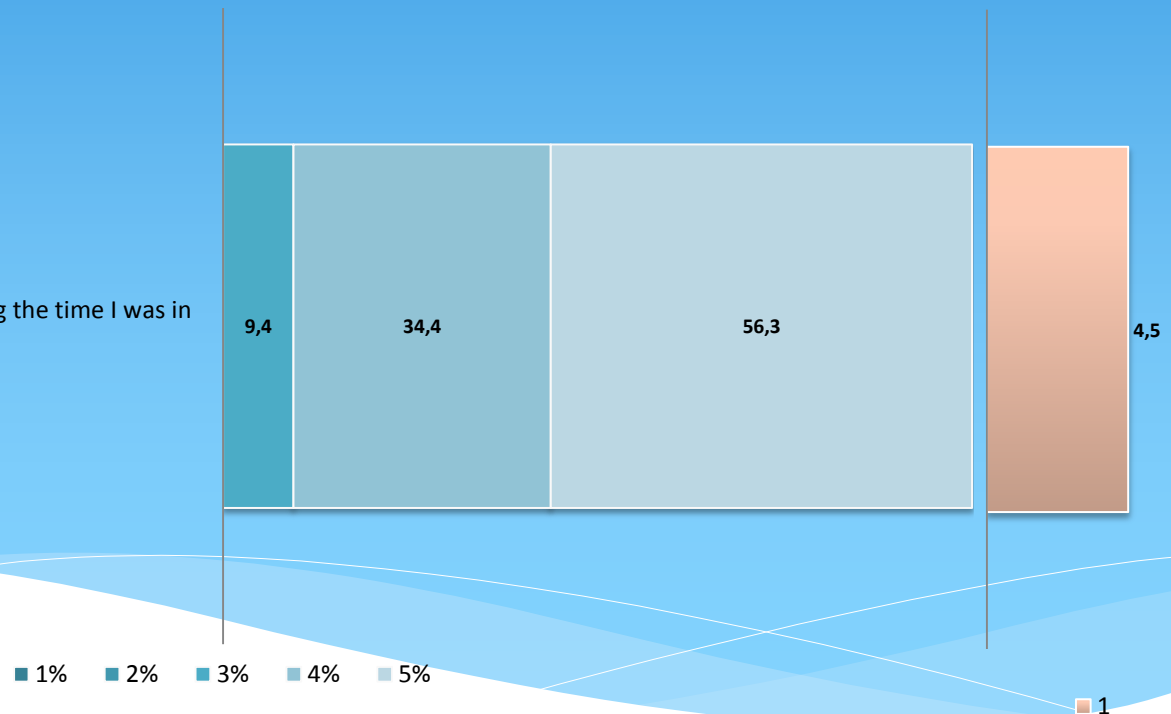| 1,9 | 7,7 | 13,5 | 38,5 | 38,5 | 4,0 |

Legend: ■ 1% ■ 2% ■ 3% ■ 4% ■ 5%

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RESULTS AND ANALYSIS

5. CULTURAL ACTIVITIES

Overall I am satisfied with the Cultural Weekend.
Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

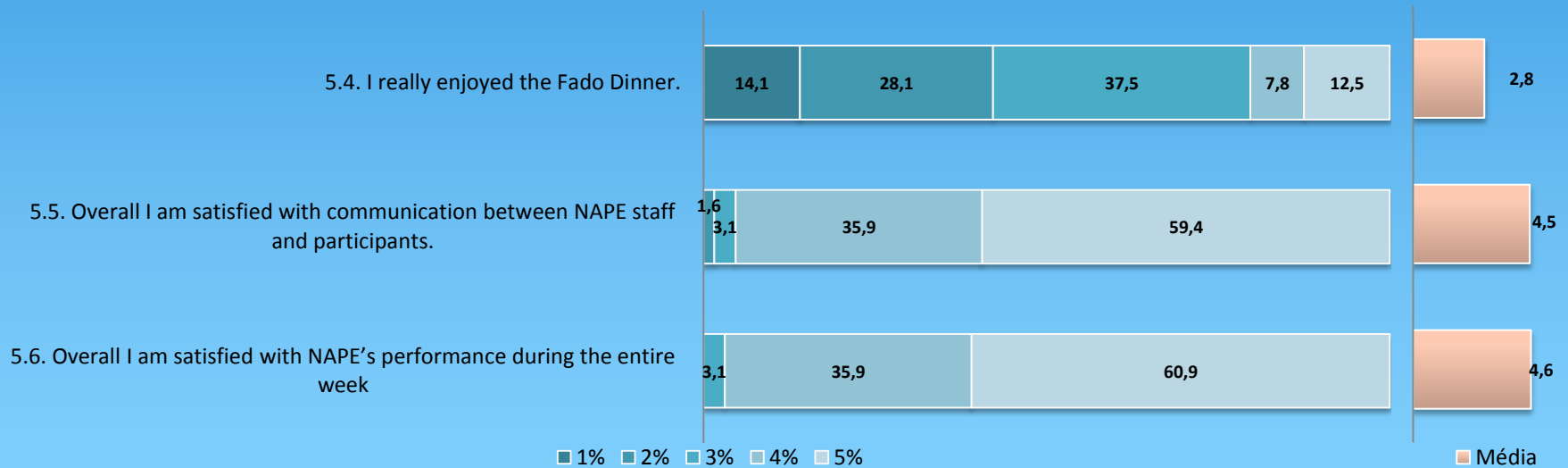|		
5.1. Overall I am satisfied with the Cultural Weekend.	1,6 · 9,4 · 40,6 · 48,4	4,3
5.2. The presentation about Portugal and Técnico was clear and organized.	1,6 · 3,1 · 4,7 · 45,3 · 45,3	4,3

■1% ■2% ■3% ■4% ■5%   ■Média

RESULTS AND ANALYSIS
5. CULTURAL ACTIVITIES

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

5.4. I really enjoyed the Fado Dinner. — 14,1 | 28,1 | 37,5 | 7,8 | 12,5 — 2,8

5.5. Overall I am satisfied with communication between NAPE staff and participants. — 1,6 | 3,1 | 35,9 | 59,4 — 4,5

5.6. Overall I am satisfied with NAPE's performance during the entire week — 3,1 | 35,9 | 60,9 — 4,6

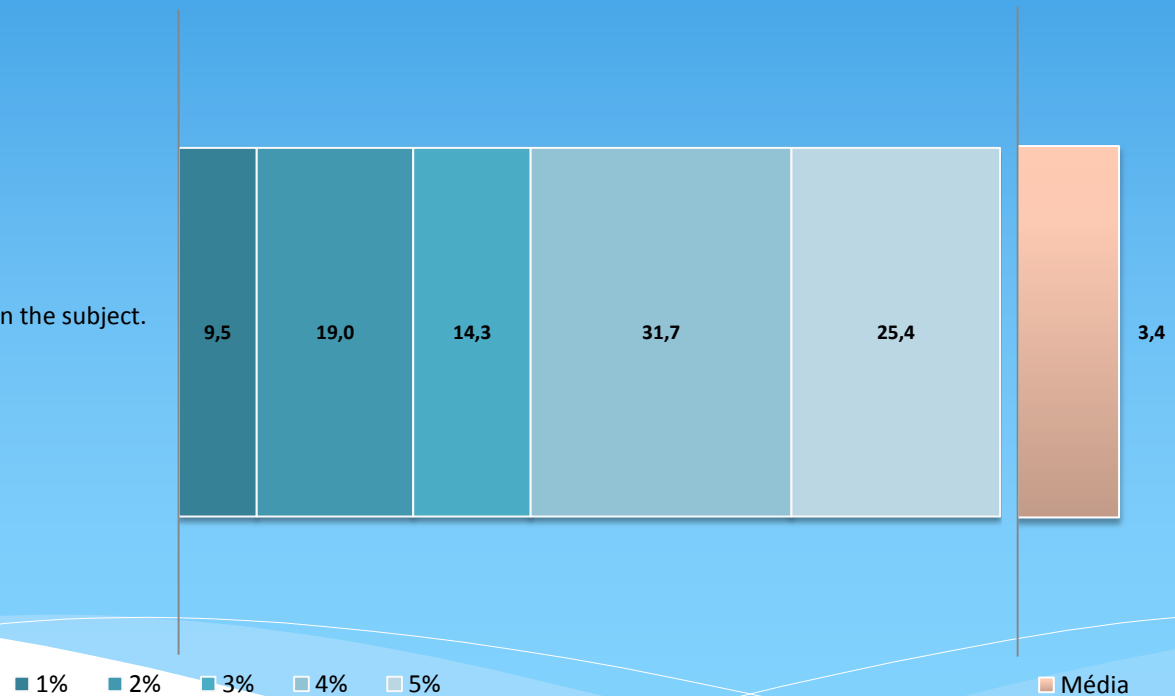Legend: ■1% ■2% ■3% ■4% ■5%   ■Média

RESULTS AND ANALYSIS
6. GENERAL IMPRESSION

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

6.1. This course improved my academic knowledge on the subject.

9,5	19,0	14,3	31,7	25,4	3,4

■ 1% ■ 2% ■ 3% ■ 4% ■ 5%   ■ Média

RESULTS AND ANALYSIS
6. GENERAL IMPRESSION

Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

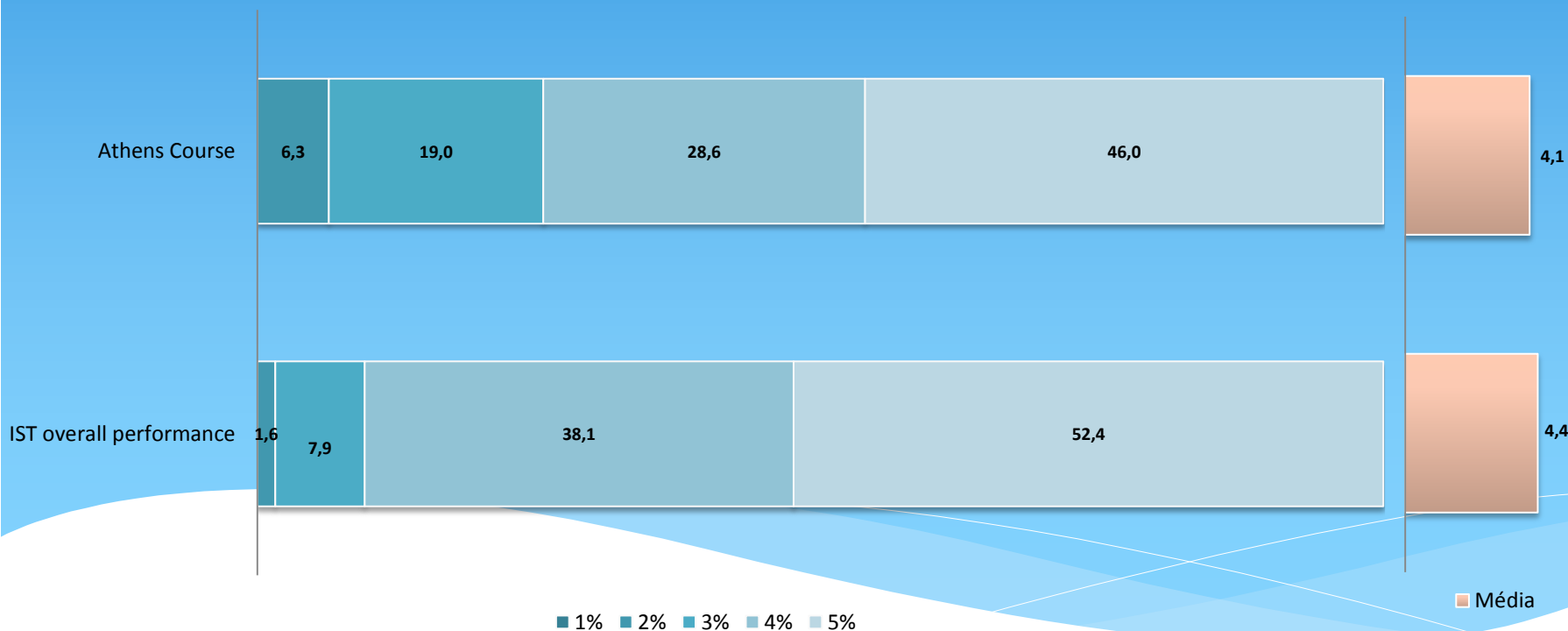| 6.1. This course improved my academic knowledge on the subject.	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology		16,7		66,7	16,7
IST11 - Value Proposition Design for Startups – create value for your customer	10,5	10,5		26,3	52,6
IST12 - Visual Analytics – an agile software development project	10,0		40,0	20,0	30,0
IST2 - Quality Control		45,5	18,2	36,4	
IST6 - e-lab - Remotely controlled physics laboratories	27,3	27,3	27,3	9,1	9,1
TOTAL	**9,5**	**19,0**	**14,3**	**31,7**	**25,4**

RESULTS AND ANALYISIS
6. GENERAL IMPRESSION

Overall I am satisfied with this
Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

Athens Course: 6,3 | 19,0 | 28,6 | 46,0 — 4,1

IST overall performance: 1,6 | 7,9 | 38,1 | 52,4 — 4,4

Legend: ■ 1% ■ 2% ■ 3% ■ 4% ■ 5%

■ Média

RESULTS AND ANALYISIS

6. GENERAL IMPRESSION

Overall I am satisfied with this
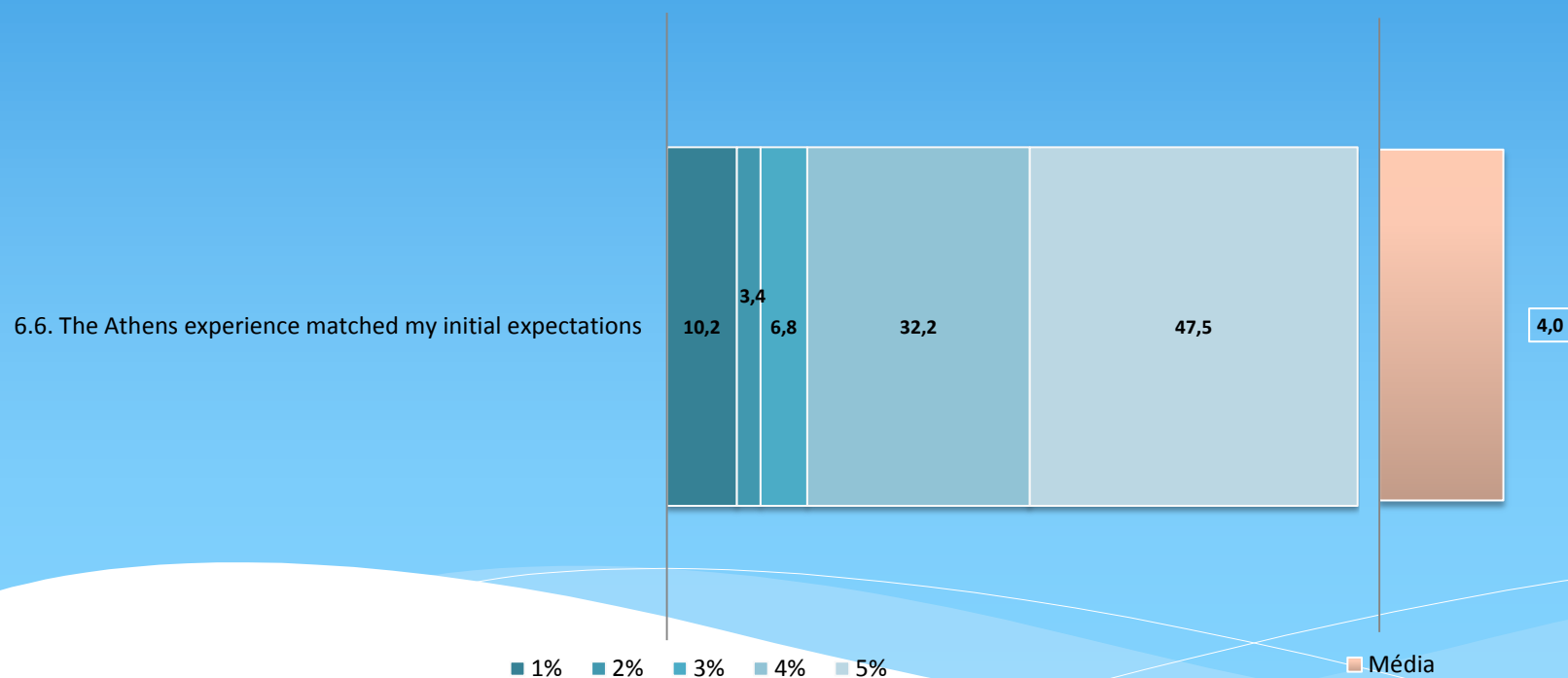
Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

6.2. Athens course	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology		8,3	33,3	25,0	33,3
IST11 - Value Proposition Design for Startups – create value for your customer				10,5	89,5
IST12 - Visual Analytics – an agile software development project				40,0	40,0
IST2 - Quality Control			36,4	54,5	9,1
IST6 - e-lab - Remotely controlled physics laboratories		27,3	18,2	27,3	27,3
TOTAL		**6,3**	**19,0**	**28,6**	**46,0**
6.2. IST overall performance	**1%**	**2%**	**3%**	**4%**	**5%**
IST10 - Plasma Science and Technology			16,7	25,0	58,3
IST11 - Value Proposition Design for Startups – create value for your customer			5,3	26,3	68,4
IST12 - Visual Analytics – an agile software development project				40,0	60,0
IST2 - Quality Control			18,2	54,5	27,3
IST6 - e-lab - Remotely controlled physics laboratories		9,1		54,5	36,4
TOTAL		**1,6**	**7,9**	**38,1**	**52,4**

RESULTS AND ANALYSIS
6. GENERAL IMPRESSION

The Athens experience matched my initial expectations.
Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

6.6. The Athens experience matched my initial expectations

| 10,2 | 3,4 | 6,8 | 32,2 | 47,5 | 4,0 |

■ 1% ■ 2% ■ 3% ■ 4% ■ 5%

■ Média

RESULTS AND ANALYSIS

6. GENERAL IMPRESSION

The Athens experience matched my initial expectations.
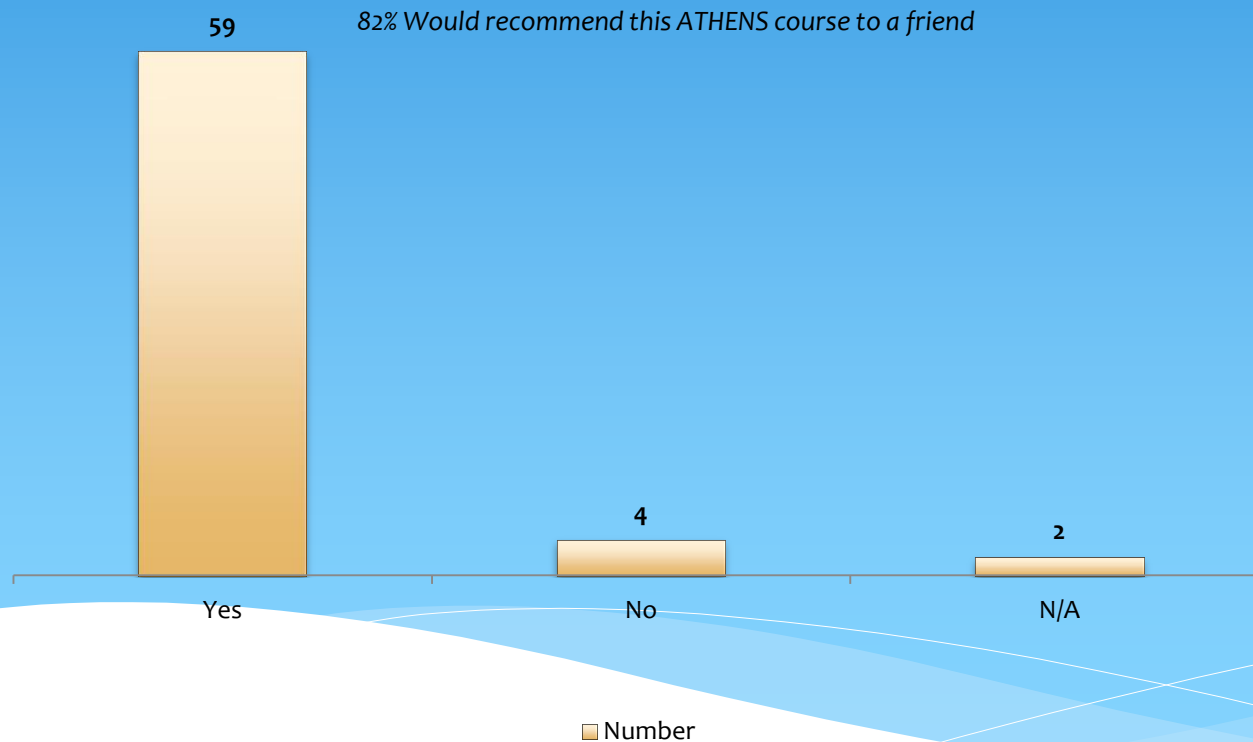Scale from 1 to 5 (1= Strongly Disagree, 5=Strongly Agree)

6.6. The Athens experience matched my initial expectations	1%	2%	3%	4%	5%
IST10 - Plasma Science and Technology	9,1	18,2		36,4	36,4
IST11 - Value Proposition Design for Startups – create value for your customer	15,8		10,5	26,3	47,4
IST12 - Visual Analytics – an agile software development project			10,0	50,0	40,0
IST2 - Quality Control			11,1	44,4	44,4
IST6 - e-lab - Remotely controlled physics laboratories	20,0			10,0	70,0
TOTAL	**10,2**	**3,4**	**6,8**	**32,2**	**47,5**

CONCLUSIONS

1. MOTIVATION AND PREPARATION
69% of respondents participated in a course related to their study area

2. COURSE ORGANISATION
The respondents consider that the objectives and requirements of this course were clear and the content of the course corresponds to the initially defined objectives (averages respectively of 4,0 e 4,2,)

3. PROFESSOR RESPONSIBILITY AND SKILLS
The evaluation of this dimension was positive (averages between 3,9 and 4,5).

4. GENERAL CONDITIONS
The participants classified positively the general conditions of the Athens programme.

CONCLUSIONS

5. CULTURAL ACTIVITIES
Regarding the cultural activities, the participants were generally satisfied with the Cultural Weekend (average of 4,3), with communication between NAPE staff and participants and with NAPE's performance during the entire week (average of the participants mentioned to have liked that activity.

6.GENERAL IMPRESSION
The participants classified positively the Athens Course and the IST overall performance (averages of respectively 4,1 and 4,4). Nevertheless, the statement "this course improved my academic knowledge on the subject" obtained an average of 3,4.
82% of respondents would recommend this Athens course to a friend.