



# Alumni Survey – Trends in Employment

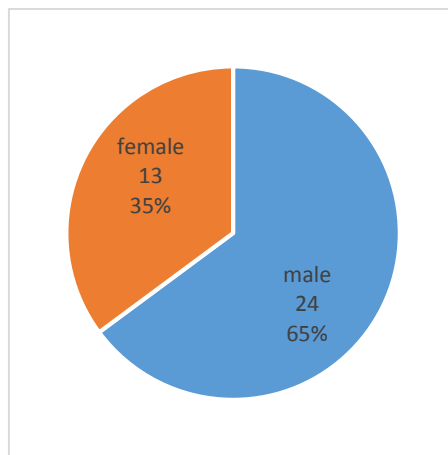
## Editions 2007-2009 to 2014-2016

Data come from the survey that was realised in June 2019. An online questionnaire was sent to the ME3 Alumni from 2007-2009 to 2014-2016 editions which represents a total of 183 ME3 graduates. 37 answers (over 183) were received which represented 20.2% of the alumni from those editions. For Questions 10-19, there were 36 answers received.

Questions asked in these surveys, followed by a summary of answers are presented below.

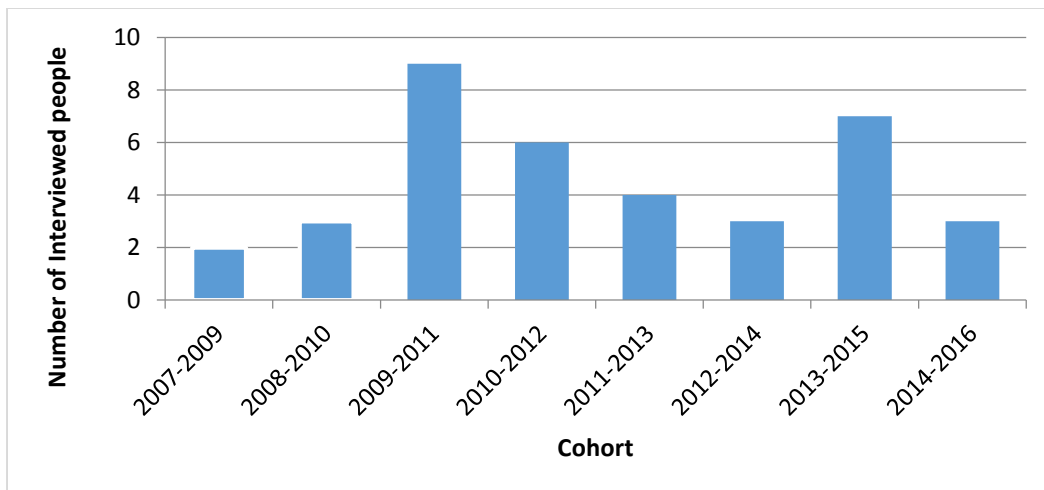
### About yourself

#### 1. Are you a male or female?



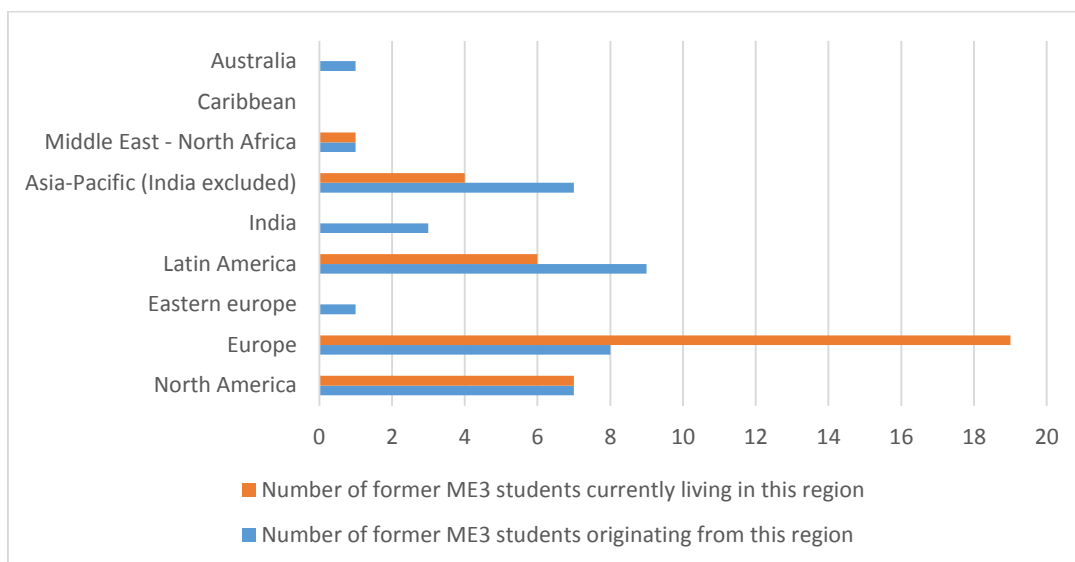
Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

#### 2. Which ME3 Edition did you participate to?



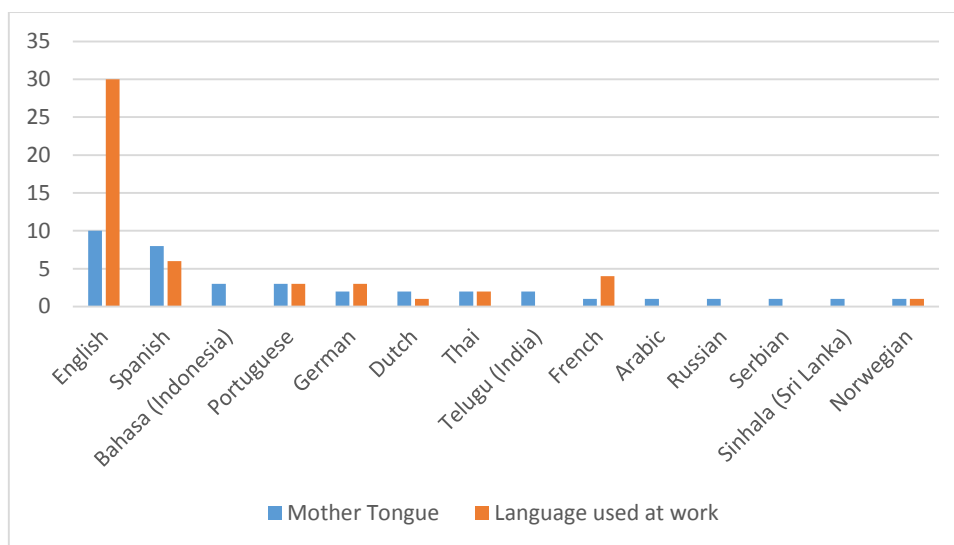
Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

**3. What is your country of origin and which country are you currently living in?**



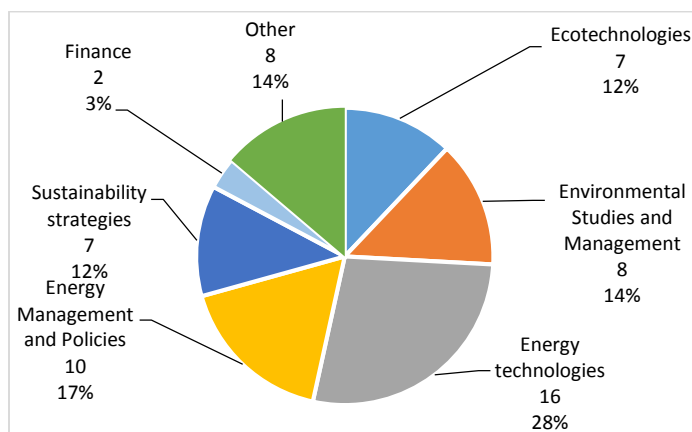
Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

**4. What is your mother tongue and the language you usually use at work?**



Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

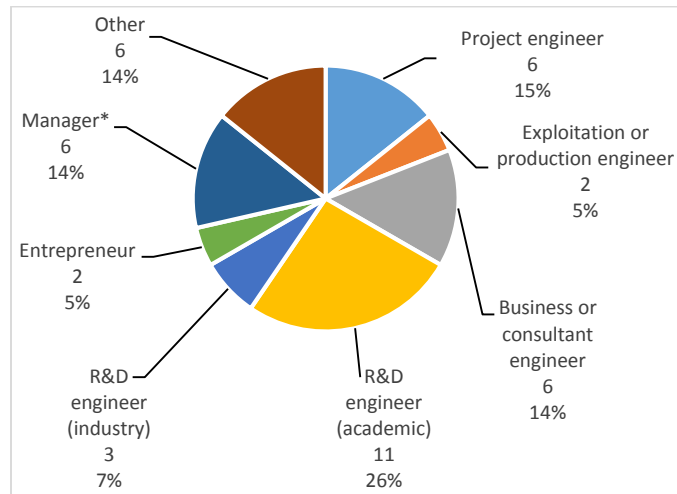
**5. Which activity sector(s) are you currently working in?**



Other: Healthcare, Utility company, Computer Science, Mechanical engineering, Education, Oil & gas, Construction.

Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

## 6. What is your current position?



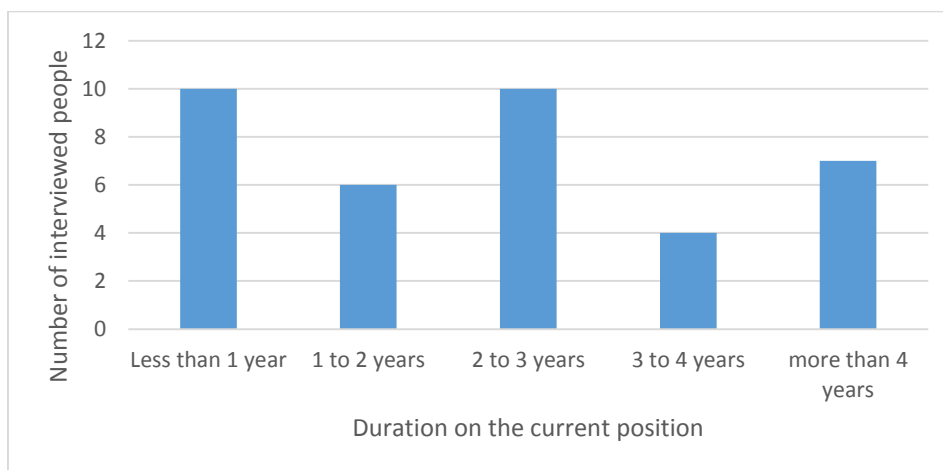
\* Manager: Manager Research, Business Development Manager, Competence Development Manager, Coordinator

Other: Chief of Staff/Advisor, Technical Advisor, Investment Associate, Sales Engineer, Analyst

## 7. Are you satisfied with your position?

95% of the interviewed people are satisfied with their current position. The Data was collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

## 8. How long have you been working in your current position?



Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

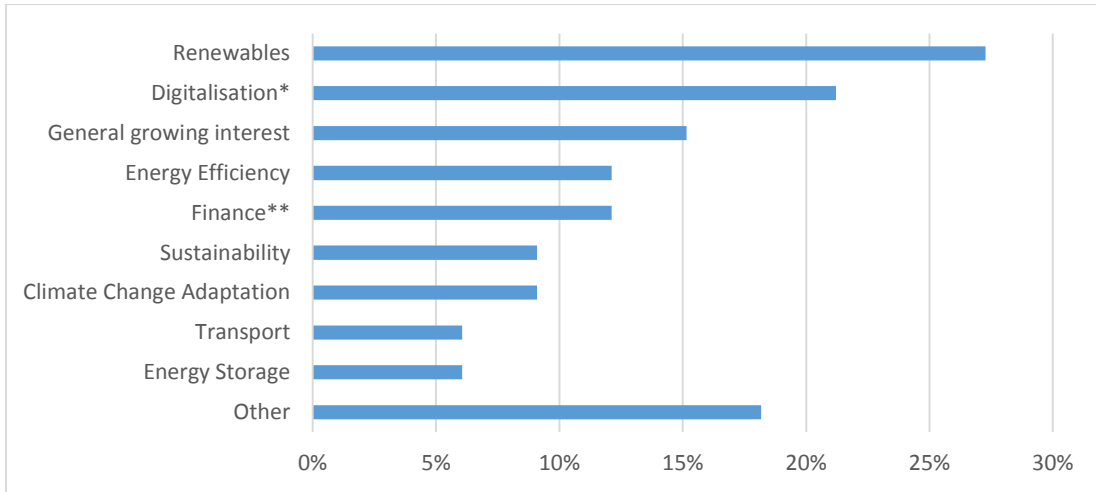
## 9. Did you/will you get another degree after graduating from ME3?

Yes	27 % (10 alumni out of 37 answers, 1 for both another master and a PhD) <ul style="list-style-type: none"> <li>• PhD: 50% (5 alumni) in Environmental Sciences, Computer Science, in Business Administration, and Business Engineering, Management and Strategy</li> <li>• MBA: 10% (1 Alumnus)</li> <li>• Other Masters: 20% (2 alumni) in Business Engineering and in Finance</li> <li>• Other trainings 30% (3 alumni) with a Specialization in Data Science, Chartered Financial Analyst Credential (CFA), Postgraduate in Project Finance.</li> </ul>
No	73 %

Data collected from alumni from editions 2007-2009 to 2014-2016 (37 answers out of 183 ME3 graduates).

**10. With your experience, which evolutions you perceive in jobs of the future related to energy and environment?**

The most frequent evolutions mentioned in the answers are presented below:



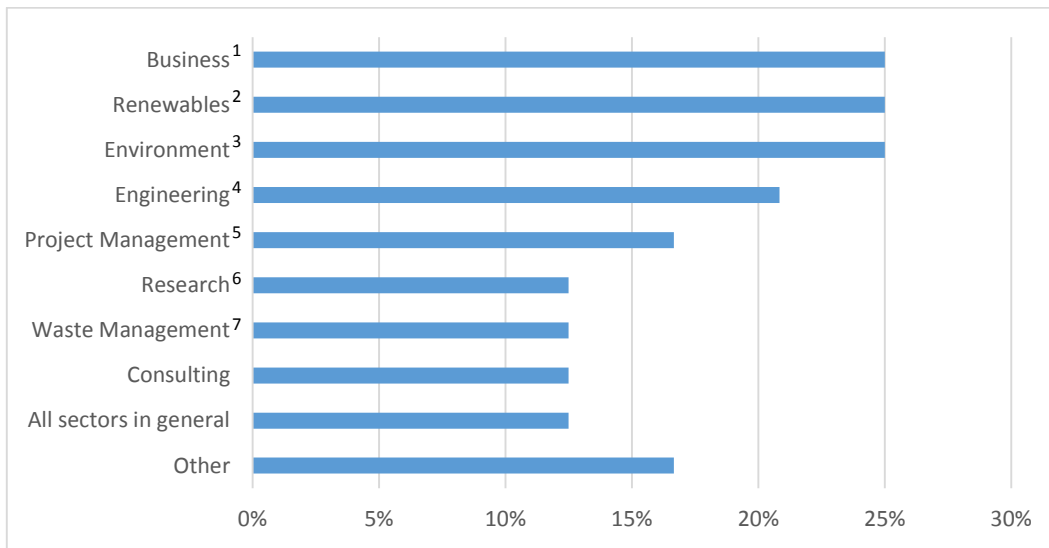
\*Digitalization: IT Applications, Big Data, Data Analysis, Machine Learning, Programming, Use of Drones, Smart Energy Monitoring.

\*\*Finance: Sustainable Finance, Business Development, Management.

Other: New Energy Policies, Extended Producer Responsibility System, Support for new Energy Technologies, More focus on air Quality, Less opportunities in Oil and Gas. 33 Answers considered out of 36 interviewed people.

**Your Company**

**11. In your company/organization, which sectors offer jobs? (if any)**



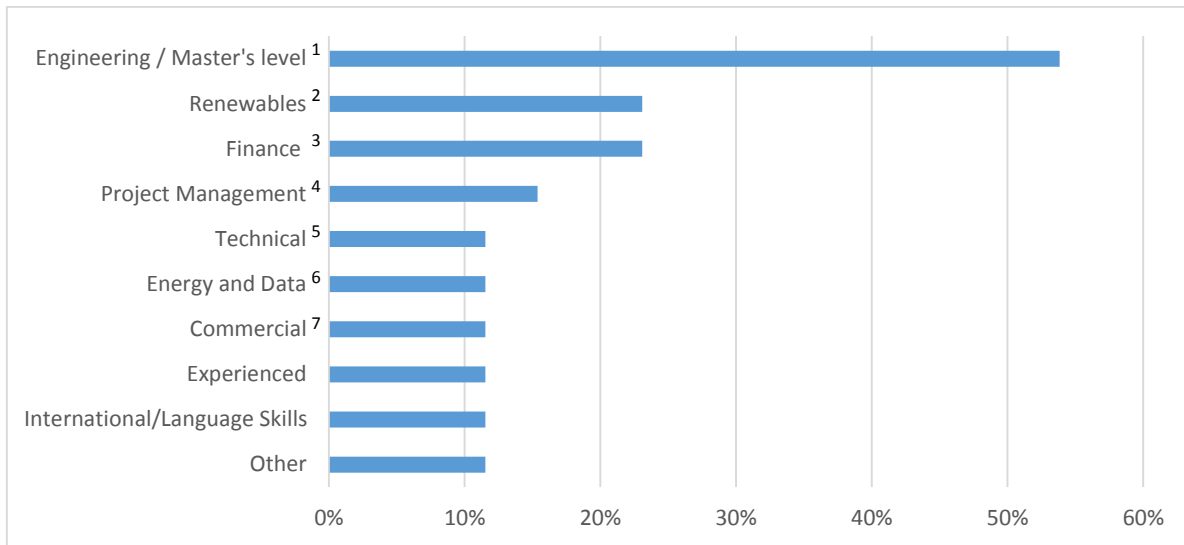
1. Business Development, Business Consultant, Green Business, Economist
2. Solar PV, Marine, Biomass, Energy Storage
3. Climate Change/GHG Emissions, Air Quality, Environmental Regulation, Water, Flood Risk
4. Project Engineers, Environmental Engineers, Battery Engineers, Energy Efficiency
5. Project Engineers, Project Management
6. Academic and Industrial Research (R&D)
7. Operation of Waste treatment plants, Waste Recycling, Waste Management

Other: IT, Academic, Nuclear, Oil and Gas

24 Answers considered out of 36 interviewed people from editions 2007-2009 to 2014-2016.

## 12. What types of profiles are sought? (if any)

The most frequent profile types mentioned are indicated below. The percentage is calculated in the basis of the number of answers obtained.



1. *Engineers, Reliability engineer, Process engineer, Project Engineer*
2. *Clean Energy, Energy Management, Wind Energy, Sustainability Experts, Energy Storage (Batteries)*
3. *Chartered Finance Analysts, Economics, Energy Economics, Energy Finance, Business Development*
4. *Project Manager, Project Engineer, Management*
5. *Technical, Technological.*
6. *Energy Efficiency, Data Scientists, Programmers, Modellers.*
7. *Commercial, Sales, Customer success*

*Other: Civil Engineers, Good Communication Skills.*

*26 Answers considered out of 36 interviewed people from editions 2007-2009 to 2014-2016.*

## 13. Were your studies in ME3 an added value to your profile for your company?

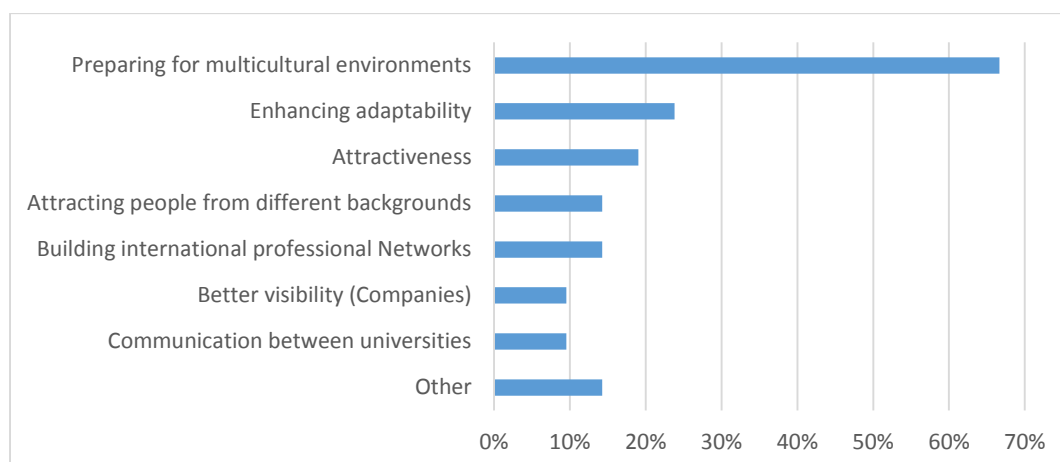
Yes: 94%. No: 6%.

## European Degrees and Education

### 14. Today, the European Commission encourages the award of joint degrees between 2 or more Universities instead of double degree/triple degree. Do you think that this is more attractive than a double degree/triple degree for instance? Yes or no

Yes: 47%. No: 53 %.

**15. How do Erasmus Mundus Masters Courses foster the quality and the competitiveness of the European education?**



*Other: Multiple choice of study tracks, focus on key subjects, Supporting high quality education.*

*21 Answers considered out of 36 interviewed people from editions 2007-2009 to 2014-2016.*

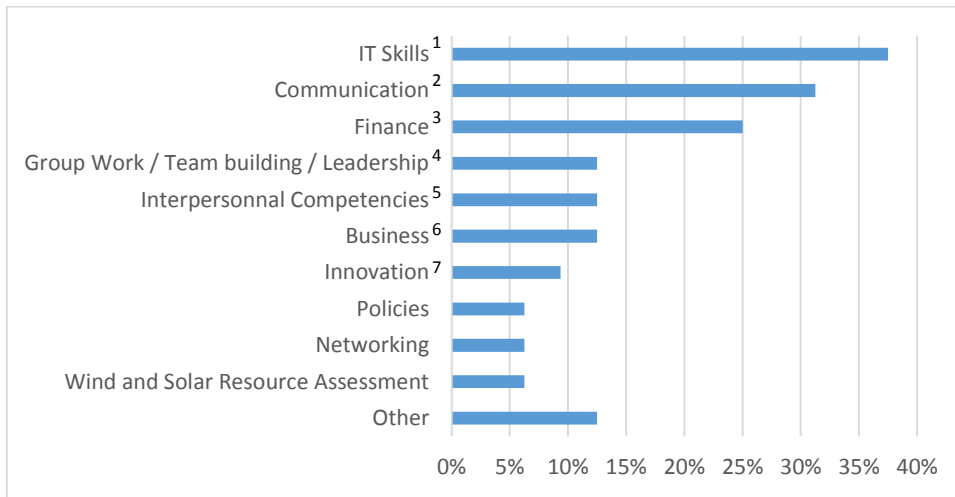
### Competencies

**16. From your perspective, please rank from the most (rank 1) to the least (rank 5) essential skills required for the jobs of the future in energy and environment**

	% of interviewed people who ranked this aspect in:				
	Ranking 1	Ranking 2	Ranking 3	Ranking 4	Ranking 5
ability to manage complex projects multi sectorial and multiscale (industrial/urban symbiosis)	19%	19%	17%	17%	28%
competencies to develop projects in an innovative way with a sustainability perspective (linked to entrepreneurship)	39%	11%	22%	19%	8%
ability to evolve in finance and green economy	8%	31%	25%	19%	17%
ability to evolve in the digital or connected world	25%	31%	8%	19%	17%
ability to evolve at the level of energy/environmental/development/strategy policies	8%	8%	28%	25%	31%

*Answers from 36 interviewed people from editions 2007-2009 to 2014-2016.*

**17. Which new competencies should a graduate develop for the future employment?**



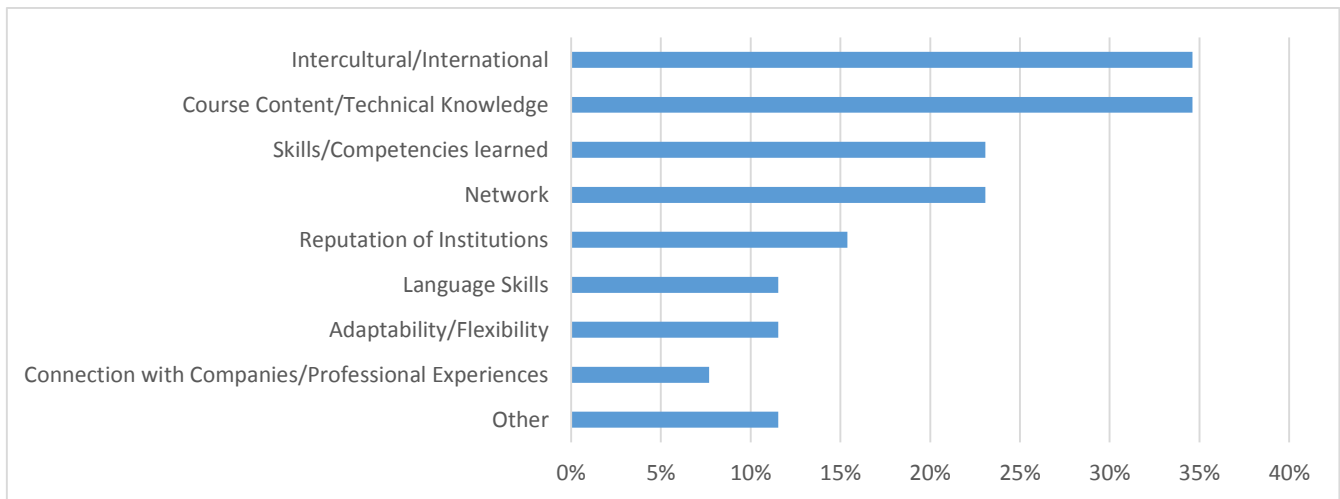
1. Digital Fluency, Programming, Data Science, Data Analysis
2. Communication Negotiation, Presentation, Relationship Development/Management
3. Finance, Financial Analysis
4. Good listener, Team Building, Leadership, Online Collaboration Skills
5. Soft Skills, Pro-activity, Flexibility, Open-mindedness
6. Business Strategy, Business Intelligence, Business Development, Circular Business Development
7. Innovation, creativity

*Other: Process Engineering, Energy Efficiency, Environmental Management, Problem Solving.*

*32 answers included out of 36 interviewed people from editions 2007-2009 to 2014-2016.*

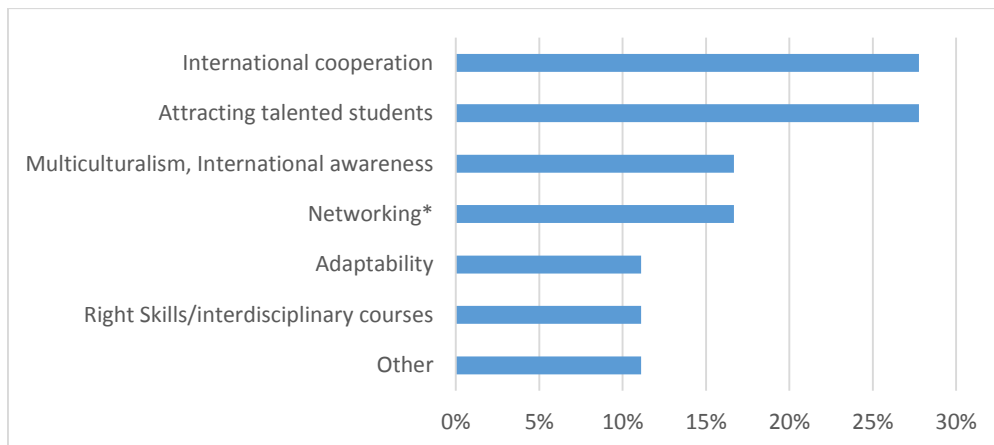
**Employability and education**

**18. How do Erasmus Mundus Masters Courses contribute to increasing the employability of graduates?**



*Other: Interdisciplinary, Competitive Application Procedure, providing access to a well-recognized degree. 26 Answers considered out of 36 interviewed people from editions 2007-2009 to 2014-2016.*

**19. How do Erasmus Mundus Masters Courses contribute to the competitiveness of the European labour market?**



*\*Networking: Alumni and University Networks*

*Other: Prepare Leaders, Entrepreneurship. 18 Answers obtained out of 36 interviewed people from editions 2007-2009 to 2014-2016.*





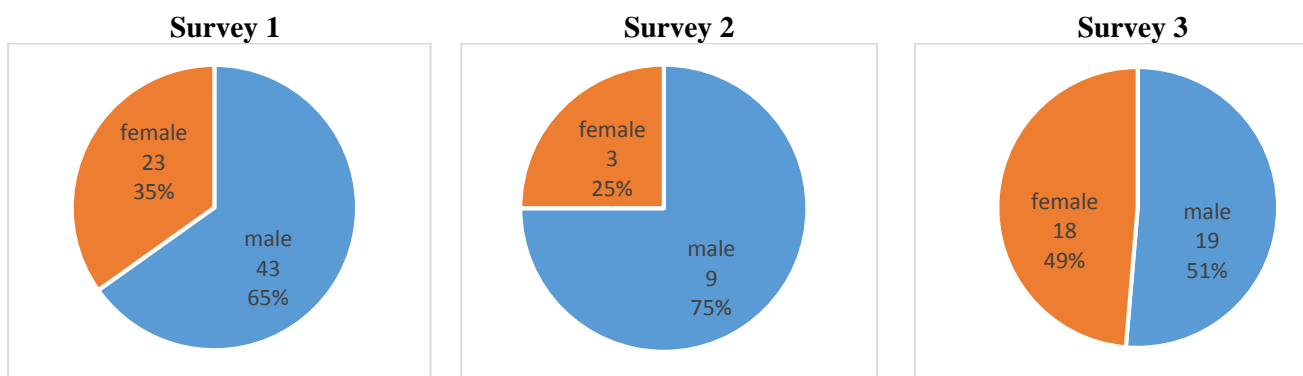
# Alumni Surveys

## Editions 2007-2009 to 2015-2017

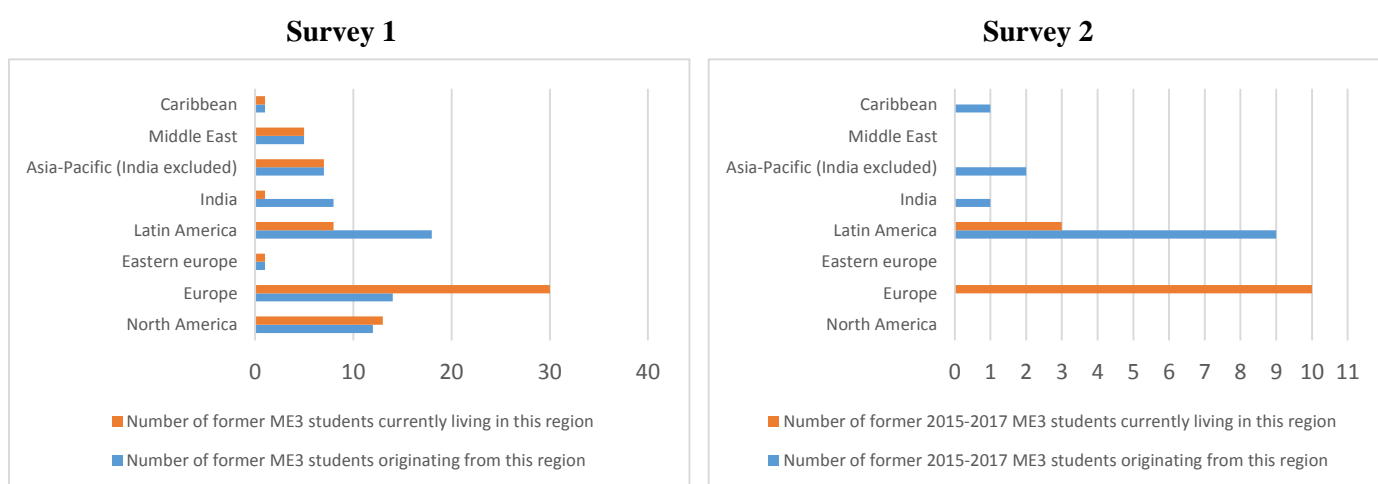
- **Survey 1:** Data come from the survey that was realised in december 2016. An online questionnaire was sent to the ME3 Alumni from 2007-2009 to 2014-2016 editions which represents a total of 183 ME3 graduates. 66 responses (over 183) were received which represented 36% of the alumni.
- **Survey 2:** Data come from the survey that was realised in december 2017. An online questionnaire was sent to the ME3 2015-2017 edition which represents a total of 22 ME3 graduates. 13 responses from 2015-2017 were received which represents 59 % of the 2015-2017 and reflects the employment situation at 4 months after graduation.
- **Survey 3:** Data come from the survey that was realised in February 2019. An online questionnaire was sent to the ME3 Alumni from 2015-2017 and 2016-2018 editions which represents a total of 45 ME3 graduates. 37 responses (over 45) were received which represented 82.2% of the alumni.

Questions asked in these surveys, followed by a summary of answers are presented below.

### 1. Are you a male or female?



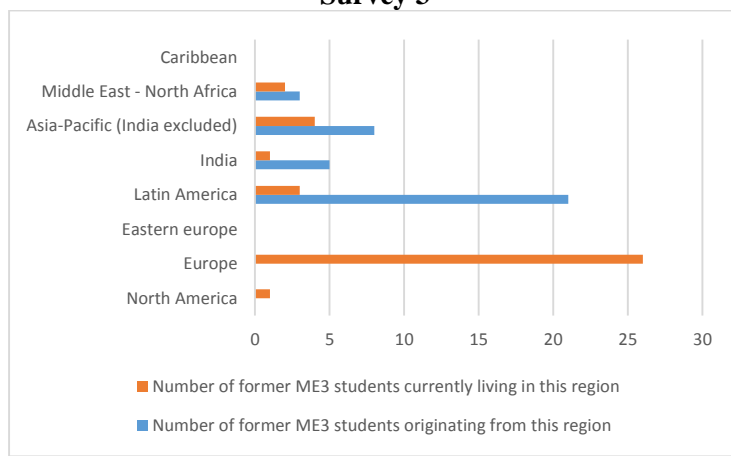
### 2. What is your country of origin and which country are you currently living in?



Data collected from the alumni survey 1 (66 answers out of 183 ME3 graduates)

Data collected from the alumni survey 2 (13 answers out of 22 ME3 2015-2017 graduates)

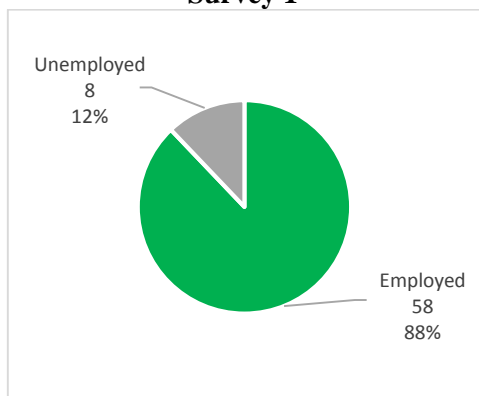
### Survey 3



Data collected from alumni of editions 2015-2017 and 2016-2018 (37 answers out of 45 ME3 graduates).

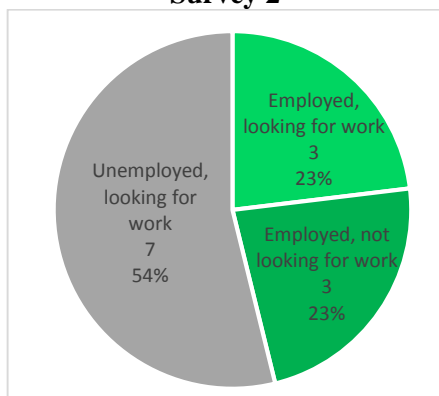
### 3. Which of the following categories best describes your employment status?

#### Survey 1



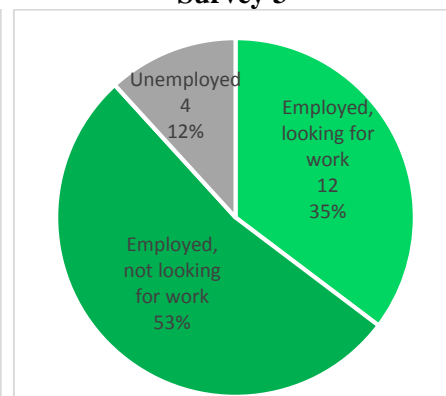
Note: From the 8 unemployed, 6 were from edition 2014-2016. The survey was done 4 months after their graduation.

#### Survey 2



Note: The survey was conducted 4 months after completing the programme

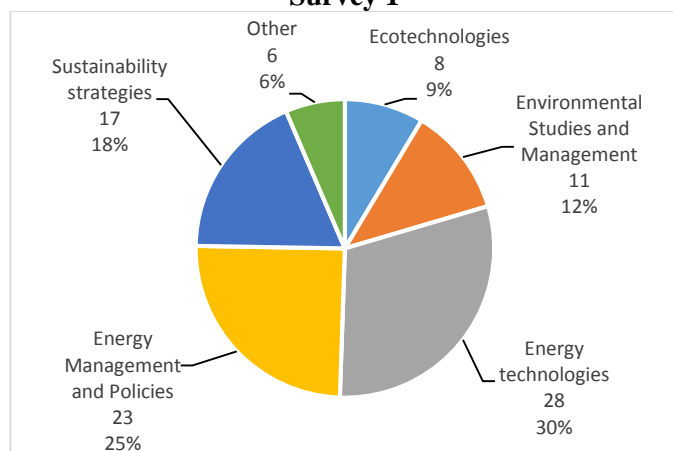
#### Survey 3



Note: From the 4 unemployed, 2 were from edition 2016-2018. The survey was done 5 months after their graduation

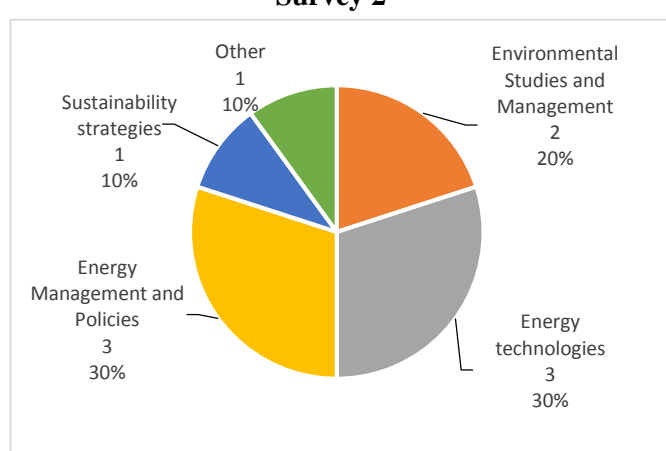
### 4. For those employed, which activity sector are you currently working in?

#### Survey 1



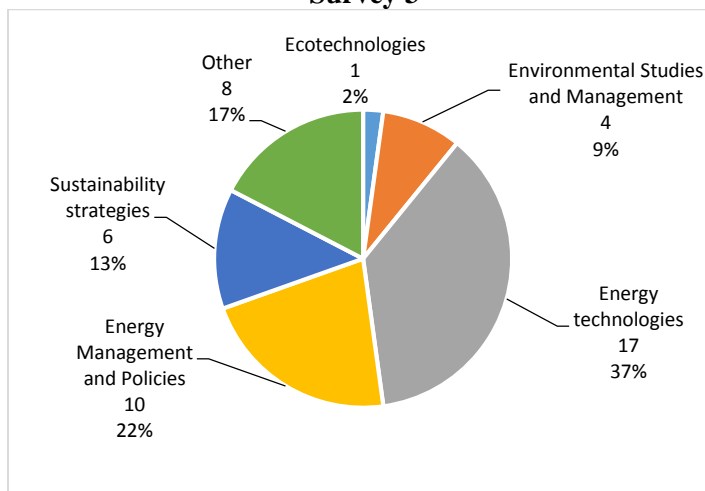
Other: Consultancy, Oil & Gas, EHS, Agribusiness, Sustainable supply chain, Standardization. Note: Data on graphs do not include people looking for a Job (8 in total over 66 responses, 6 from edition 2014-2016)

#### Survey 2



Other: Climate finance. Note: data on graph does not include unemployed people from 2015-2017 (7 out of 13 responses)

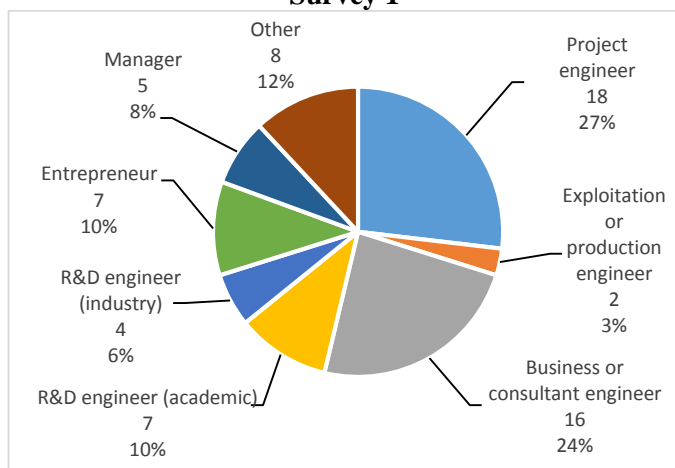
### Survey 3



Other: Think-tank, Sustainability and Innovation, communication in the energy transition sector, Power Electricity and Energy Markets, Cleantech consulting, Climate Change consulting, Smart Cities, Automotive/Transport, and ICT for healthcare. Note: Data on graphs do not include people unemployed (4 excluded over 37 responses)

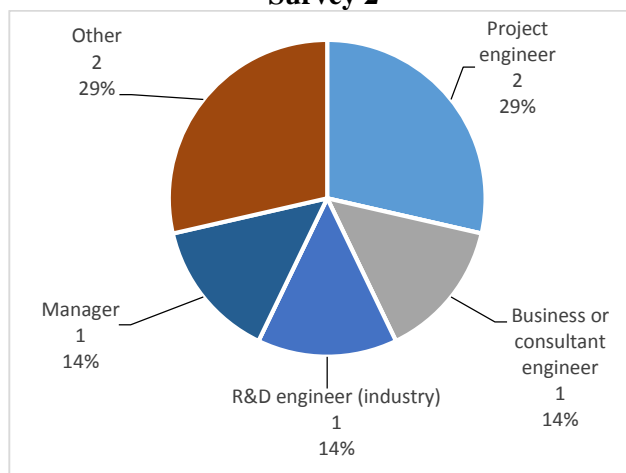
### 5. For those employed, what is your current position?

#### Survey 1



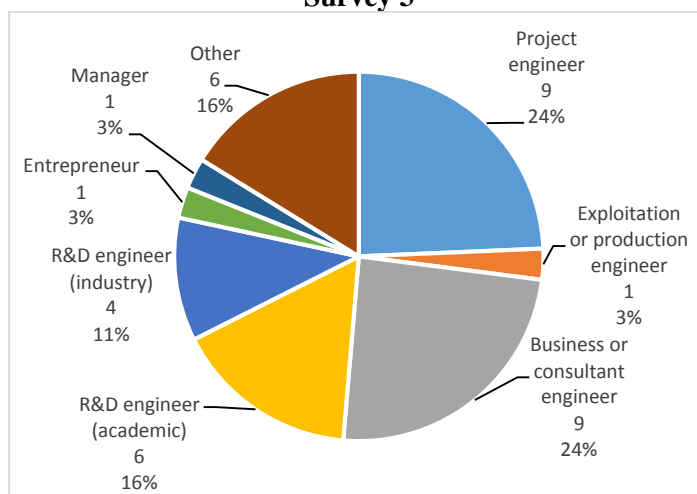
Other: Sales Manager, PhD candidate, Postdoctoral researcher. Note: Data on graphs do not include people looking for a Job (8 in total over 66 responses, 6 from edition 2014-2016)

#### Survey 2



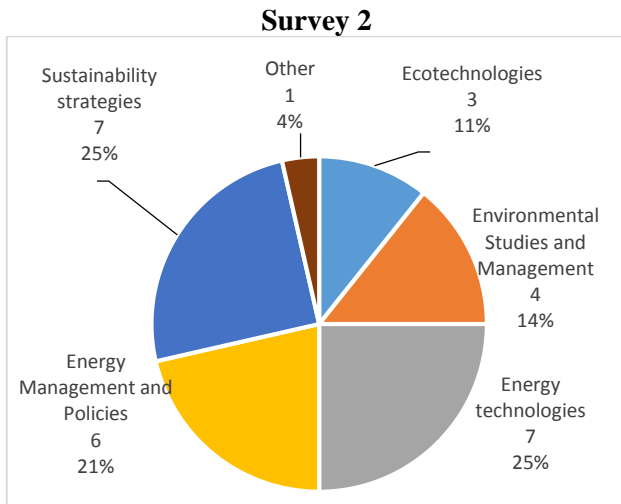
Other: Analyst, Policy & Project Officer. Note: Data on graphs do not include unemployed people (7 in total out of 13 responses from edition 2015-2017)

### Survey 3

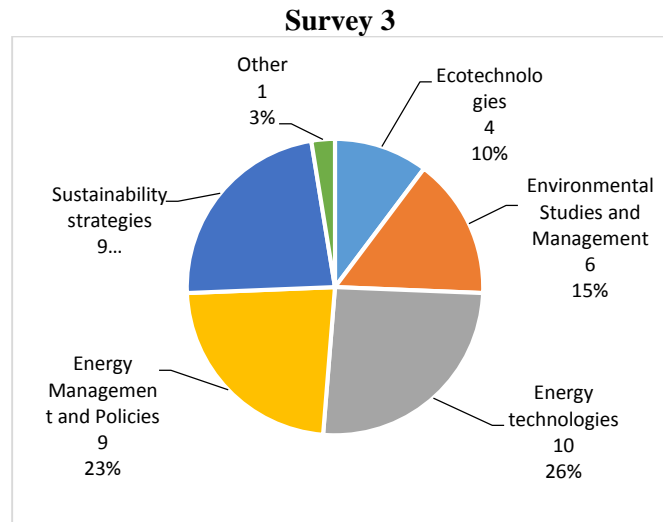


Other: Energy Policy Analyst, Scientific Assistant / PhD Candidate, policy support, Science Research Associate, Consultant (NOT engineer) and Research Analyst. Note: Data on graphs do not include people unemployed (4 excluded over 37 responses)

**6. For those looking for work, which activity sectors are you targeting in your current job research?**

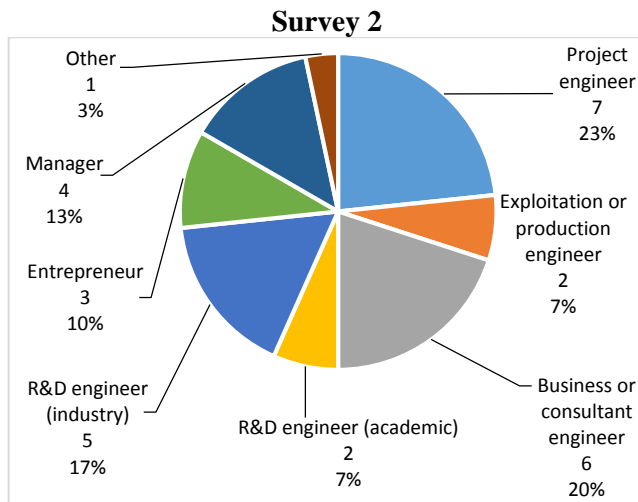


Other: Non-specified. Note: Data on graphs do not include employed people not looking for work (3 in total out of 13 responses from edition 2015-2017)

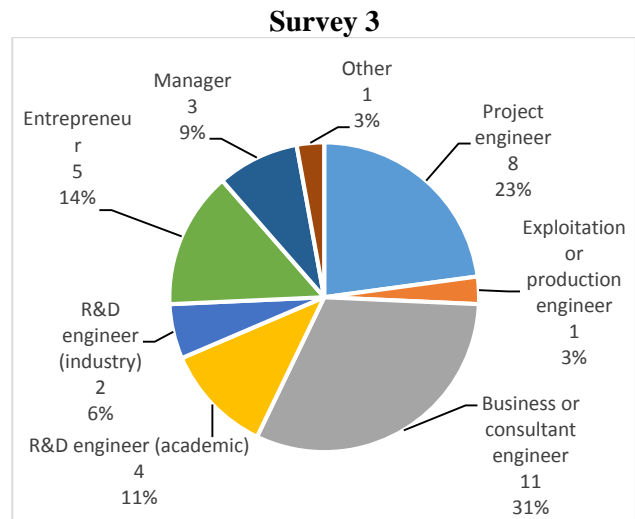


Other: Sustainability innovation, consulting. Note: Data on graphs do not include people not looking for work (15 included out of 37 responses)

**7. For those looking for work, what positions are you targeting in your current job research?**



Other: Analyst. Note: Data on graphs do not include employed people not looking for work (3 in total out of 13 responses from edition 2015-2017)



Other: Energy Policy Analyst. Note: Data on graphs do not include people not looking for work (15 included out of 37 responses)

**8. Did you/will you get another degree after graduating from ME3?**

	Survey 1	Survey 2	Survey 3
Yes	15% <ul style="list-style-type: none"> <li>80% obtained or are in the process of obtaining a Ph.D. in Environmental Process Engineering, Environmental Sciences Erasmus Mundus Joint Doctorate in Sustainable Energy Technologies and Strategies, in Sustainability, Business Administration, Sustainable Energy, Science and technology policy</li> <li>10% (1 student) obtained a Master of Science in Industrial Engineering</li> <li>10% (1 student) obtained a Bachelor degree in Law</li> </ul>	0%	14% <ul style="list-style-type: none"> <li>20% (1 student) will apply for a Ph.D. in Energy Economy</li> <li>40% (2 student) will obtain another Master's in Climate Change Adaptation, and in International Development and Policy</li> <li>20% (1 student) is considering applying for an MBA</li> <li>20% (1 Student) has not decided yet.</li> </ul>
No	85%	100%	86%

**9. You chose the ME3 Joint Masters programme for:**

	<b>Survey 1</b>	<b>Survey 2</b>	<b>Survey 3</b>
The mobility offered by the programme	89%	92%	89%
The learning content	83%	92%	76%
The prestige of the universities	29%	54%	43%

**10. Recognition of the ME3 Joint Masters programme by Alumni**

	<b>Survey 1</b>	<b>Survey 2</b>	<b>Survey 3</b>
Would recommend the ME3 joint Masters programme to a student	94%	91%	94%
Would recommend an ME3 student for a job	89%	100%	91%

**11. Which of the following competencies (developed during the ME3 programme) are useful in your current and/or past position?**

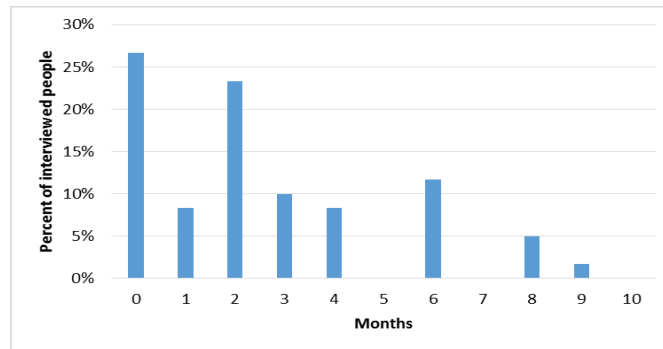
	% of interviewed people who found this competence was:														
	Survey 1					Survey 2					Survey 3				
	extremely useful	very useful	useful	Slightly useful	not useful	extremely useful	very useful	useful	Slightly useful	not useful	extremely useful	very useful	useful	Slightly useful	not useful
ability to manage complex projects in the field of energy and/or environment	13.6%	40.9%	33.3%	7.6%	4.5%	17%	17%	50%	17%	0%	23%	37%	33%	7%	0%
ability to design and control processes for energy production or effluent/waste treatment	6.1%	7.6%	28.8%	42.4%	15.2%	0%	17%	17%	50%	17%	3%	0%	23%	33%	40%
ability to implement mixed optimized solutions for energy supply and environmental strategies	10.6%	36.4%	25.8%	21.2%	6.1%	17%	0%	50%	17%	17%	10%	23%	47%	10%	10%
ability to understand existing multi-scale environmental and energy systems enabling to perform audits	15.2%	24.2%	37.9%	18.2%	4.5%	17%	0%	17%	50%	17%	3%	13%	30%	30%	23%
competences to develop projects in an innovative way with a sustainability perspective	19.7%	36.4%	30.3%	9.1%	4.5%	33%	50%	0%	17%	0%	30%	37%	27%	7%	0%
ability to communicate with divers audiences	63.6%	22.7%	10.6%	0%	3%	50%	33%	0%	17%	0%	50%	27%	23%	0%	0%
ability to work in a team	53%	34.8%	9.1%	0%	3%	50%	33%	0%	17%	0%	37%	47%	13%	3%	0%
ability to solve a problem	43.9%	36.4%	13.6%	3%	3%	50%	33%	17%	0%	0%	33%	50%	10%	7%	0%

**12. Please rank from the most (rank 1) to the least (rank 5) valuable thing you have gained from your mobility within the ME3 programme?**

	% of interviewed people who ranked this aspect in:														
	Survey 1					Survey 2					Survey 3				
	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5	Rank 1	Rank 2	Rank 3	Rank 4	Rank 5
enhanced intercultural awareness	25.8%	27.3%	30.3%	12.1%	4.5%	17%	25%	33%	8%	17%	19%	32%	27%	11%	11%
improved foreign language competences	10.6%	10.6%	18.2%	24.2%	36.4%	17%	0%	0%	25%	58%	14%	11%	11%	27%	38%
enhanced employability and improved career prospects	19.7%	15.2%	16.7%	15.2%	33.3%	42%	8%	8%	33%	8%	30%	11%	22%	16%	22%
greater understanding and responsiveness to social, linguistic and cultural diversity	33.3%	24.2%	21.2%	9.1%	12.1%	25%	25%	33%	8%	8%	24%	24%	24%	22%	5%
ability to get integrated into a new country	10.6%	22.7%	13.6%	39.4%	13.6%	0%	42%	25%	25%	8%	14%	22%	16%	24%	24%

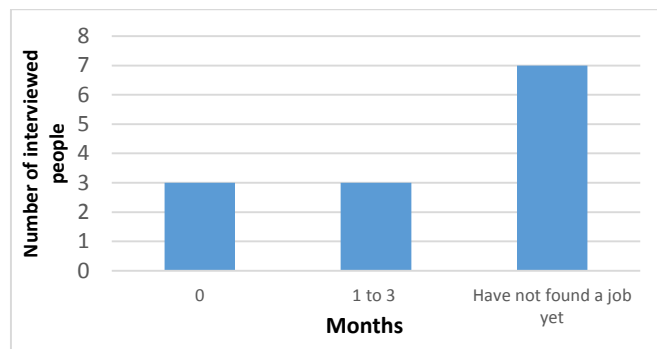
**13. From the moment you started to seek a job (after completing the ME3 programme), how long did it take you to find a position (in months)?**

**Survey 1**



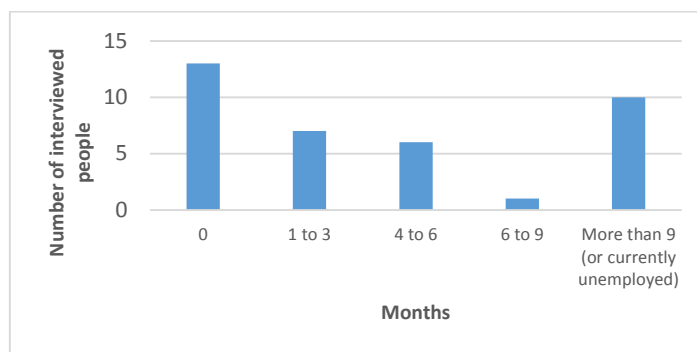
*Note: 6 people (from edition 2014-2016) over 66 Interviewed people were still looking for a job 3 months after completing the programme*

**Survey 2**



*Note: 7 people from edition 2015-2017 were still looking for a job 4 months after completing the programme*

**Survey 3**



*Note: 2 people (from edition 2016-2018) over 37 Interviewed people were still looking for a job 5 months after completing the programme*