



D1.2 – Selection of candidates

Grant Agreement n°:	MSCA ITN EJD n. 814177
Project Acronym:	LAST-JD-RIoE
Project Title:	Law, Science and Technology Joint Doctorate: Rights of the Internet of Everything (LAST-JD-RIoE)
Website:	https://www.last-jd-rioe.eu/
Contractual delivery date:	30/06/2019
Actual delivery date:	22/08/2019
Contributing WP	WP1
Dissemination level:	Public
Deliverable leader:	UNIBO
Contributors:	all beneficiaries



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie ITN EJD grant agreement No 814177

Document History

Version	Date	Author	Partner	Description
1.0	01/07/2019	Monica Palmirani	UNIBO	First draft
2.0	15/07/2019	UNIVIEN	UNIVIEN	Contribution on the criteria
3.0	29/07/2019	KUL	KUL	Contribution on the criteria
4.0	26/08/2019	Monica Palmirani	UNIBO	Final version

Contributors

Partner	Name	Role	Contribution
All	All partners	beneficiary	Contribution concerning the selection of the PhD candidates

Disclaimer: The information in this document is provided “as is”, and no guarantee or warranty is given that the information is fit for any particular purpose. LAST-JD-RIoE consortium members shall have no liability for damages of any kind including without limitation direct, special, indirect, or consequential damages that may result from the use of these materials subject to any liability which is mandatory due to applicable law.

Table of Contents

Executive Summary.....	4
1 Calendar of the Selection	5
2 Title evaluation	5
2.1 Pre-meeting and sub-criteria specification.....	5
2.2 Access to the applications	6
2.3 Individual evaluation of the titles	8
2.4 Common evaluation of the titles	8
3 Oral exams evaluation.....	9
3.1 Winners.....	Errore. Il segnalibro non è definito.
4 Administrative check and Enrolment.....	11
Annex A – Table of the title evaluation.....	13
Annex B – Table of the oral exams evaluation	14
Annex C – Table of winners	16
Annex D – Rector Decree and Enrolment process.....	18
D.1 Rector Decree at 05/07/2019.....	18
D.2 Enrolment completed at 01/08/2019 in UNIBO.....	19

Executive Summary

This document is the Deliverable D1.2, which reports all the activities done for selecting the PhD candidates of MSCA-ITN EJD Law, Science and Technology-RIoE.

The selection followed the UNIBO regulation about PhD using fair, neutral, transparent, equal principles, avoiding any conflict of

The selection is managed by the UNIBO in the role of coordinator, with the participation of all the other beneficiaries.

This deliverable was due at the end of June 2019, but the final publication of the Rector Decrees happened only at 05/07/2019 and the enrolment of the PhD candidates ended at 01/08/2019.

According to the Regulation EU 2016/679 (GDPR) and considering that this deliverable is public we cannot publish all the information (minutes, list of candidates, Rector Decree), but in case the EU Commission would like to check the regularity of the selection we have all the documentation available in confidential modality.

1 Calendar of the Selection

According to the Call for applications presented in D1.1, the Selection Committee follows the calendar of the selection process:

1. May, 21-22, remote meeting by email: definition of sub-criteria for evaluating the titles especially in the international environments.
2. June 10, 2019 remote meeting for discussing about the titles.
3. June 14, 2019 publication of the titles evaluation and admission to the oral exams.
4. June 17, 2019 publication of errata with also the oral exams calendar
5. June 20-22, 2019, from 9.00 AM to 6.00PM in person in Bologna or remotely only if it occur unpredicted event.
6. June 27, 2019 publication of final evaluation list.
7. Final check by the UNIBO Doctoral Office about the eligibility and validity of the academic record and titles.
8. July 05, 2019, Rector Decree of the final admitted candidates and winners and starting of the enrolment.
9. August 1, 2019, End of enrolment in UNIBO and starting the enrolment in the other universities.

Bylaw we have a period of 60 days for collecting potential appeals after the publication of the results. At the date of this deliverable, from our best knowledge, we do not have appeals.

2 Title evaluation

2.1 Pre-meeting and sub-criteria specification

May, 21-22, remote meeting by email: definition of sub-criteria for evaluating the titles especially in the international environments.

The regular members of the selection committee were nominated with Decree of the Rector D.R. Rep. n. 786/2019 Prot. n. 98084 at 06/05/2019, modified with the Decree of Rector D.R. No. N. 897/2019 - Prot. n. 0109480 at 21/05/2019, one for each beneficiary. The selection committee is composed as follow:

1. Durante Massimo, University of Turin
2. Bajo Javier, Universidad Politécnica de Madrid
3. Kiskis Mindaugas, Mykolas Romeris University
4. Heinze Christian, Leibniz Universität Hannover
5. Palmirani Monica, University of Bologna
6. Górriz López Carles, Universidad Autonoma de Barcelona
7. Schweighofer Erich, University of Vienna
8. Van Der Torre Leon, University of Luxembourg

8. Van Der Torre Leon, University of Luxembourg

9. Vedder Anton, Katholieke Universiteit Leuven

The committee specified the following two points in the criteria, for better clarify the rules of the title evaluation:

“1 - The Admissions Board uses exam averages to assign a grade point to international certificates. If the candidate provides no information, the committee will assign a grade point of 0 to such certificates.

2 - If the candidate does not submit a research project, the Admissions Board will not proceed to evaluate the remaining material (e.g., motivation letter, reference letter, publications, etc.), the research project being essential for a candidate to be admitted to oral examination.”

The other criteria were already defined in the Call for Applications:

Qualifications and research project

In order to be admitted to the oral exam, applicants who are not applying for the PhD scholarships financed by the University of Turin, who are not English native speakers or who have not obtained a Master's degree in English must have:

- attached to the application a title attesting the knowledge of the English language (TOEFL, IELTS, Cambridge or ESOL or B1);
- Obtained a minimum score of 30 points in the evaluation of qualifications and research project. Only qualifications relating to the last 5 years shall be taken into consideration, with the exception of the University Degree (Diploma di laurea). Please, note that qualifications must be consistent with the PhD Programme. Points relating to qualifications shall be allocated on the basis of the following criteria:
- Graduation final mark (7 points corresponding to 110 with honors, 5 points from 110 to 105; 3 points from 104 to 100; 0 points if the final mark is less than 100). Undergraduates shall be evaluated on the basis of the Weighted Average Mark (WAM): 30 = 7 points; 29 = 5 points; 28 = 3 points; WAM less than 28 = 0 points.
- Motivational letter: max 5 points;
- Publications: max 5 points;
- Reference letters: max 5 points;
- Other qualifications: max 2 points. Points relating to the research projects shall be allocated on the basis of the following criteria:
- scientific value and ground-breaking nature of the proposal: max 11 points;
- description and structure of the proposal: max 5 points;
- proposal feasibility: max 10 points. For applicants who have attached to the application more than one research project, the score assigned will be the average of the scores assigned to each project

2.2 Access to the applications

After the submission of the official minutes of the pre-meeting at 21-22 May, the UNIBO Doctoral Office opened the access of the official portal where they were the applications. At May 24 the applications were accessible to the selection committee using the UNIBO portal <https://sol-gestione.unibo.it/candidature>.

In meantime Monica Palmirani downloaded all the applications using zip file and she put it in the project OwnCloud platform repository in order to better evaluate the applications. The platform is hosted on the UNIBO server, compliant with GDPR security requirements.

The platform of UNIBO guarantees also regular behaviour for every candidate, to collect recommendation letters directly by professor/expert, to upload standard documentation, to check automatically the eligibility according to the presence or absence of some mandatory documents.

We received 140 applications, only 104 eligible following the admissible criteria (e.g., titles to access, not completed application).

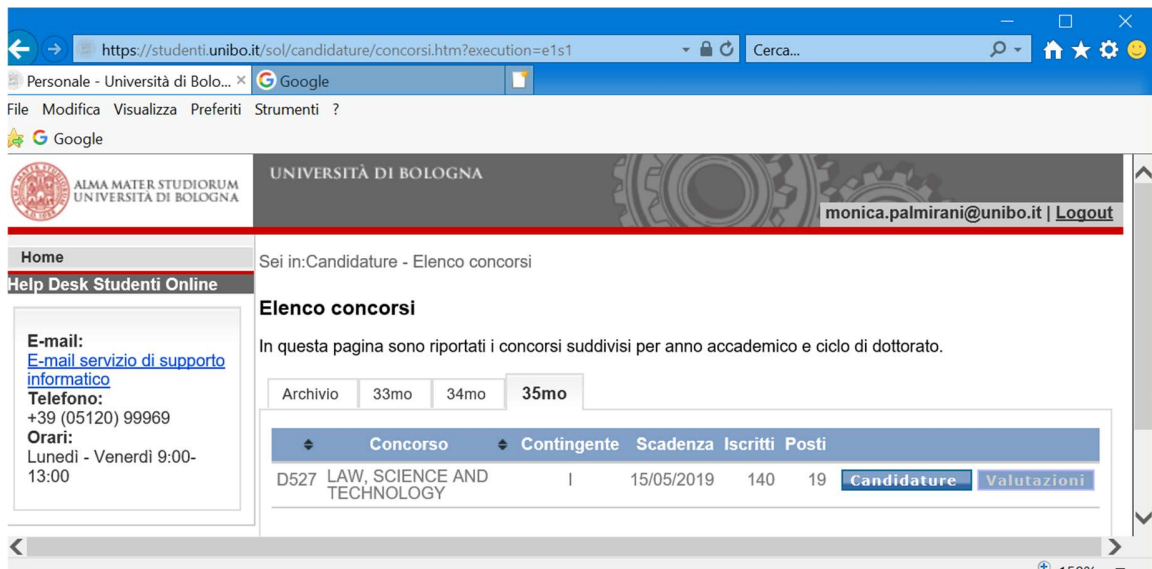


Figure 1 – Screen shot of the UNIBO platform for collecting applications.

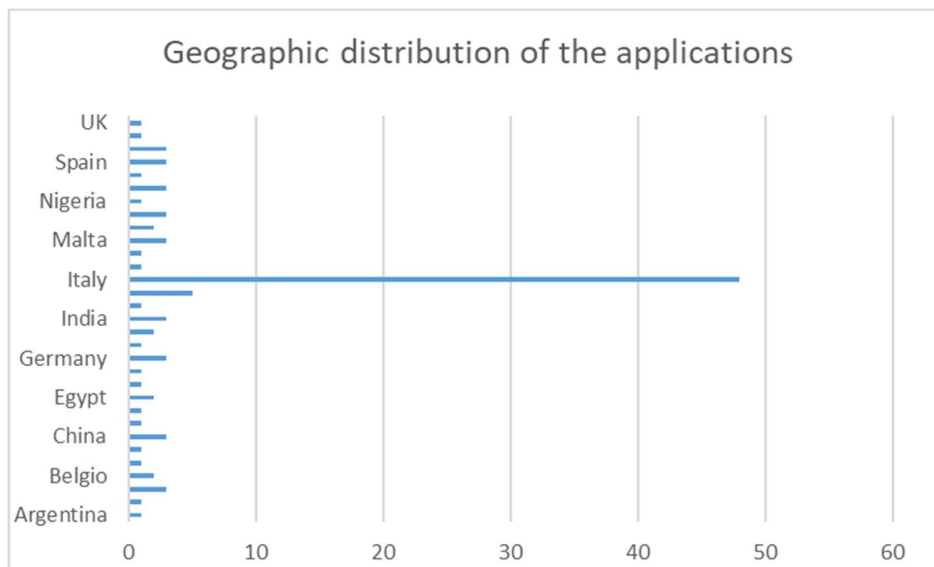


Figure 2 – Geographic distribution of the applications.

2.3 Individual evaluation of the titles

Each member of the committee separately evaluated the applications without communicate each other till the day of the remote meeting, planned at June 10th, 2019.

A table about the sub-scores were distributed to all the member of the selection committee.

In the Annex A an example without the name of the candidates for GDPR privacy reasons.

Each candidate can present maximum three research projects. Each research project acquired an individual score. The final score of the candidate is calculated using the average of all the individual scores of the research projects submitted.

Example: if a candidate submitted two research projects (the maximum point assignable are 26). Suppose that the first project obtained 24 and the second one 19, the total score is the average $(24+19)/2=21.5$

2.4 Common evaluation of the titles

A remote meeting of the selection committee were set up at June 10, 2019 to discuss the titles evaluation, to assign a common score to each candidate, and to decide which candidates were admitted to the oral exams. Consequently to define the calendar of 20-21 June.

We discussed candidate by candidate comparing the individual scoring previously elaborated by each member of the selection committee.

We noticed a hype of submission for the topics concerning blockchain and IoT.

The meeting ended with the list of the candidates admitted to the oral exams (40) and a general score for each candidate.

At June 14, 2019 the results of the title evaluation was published.

Some candidates asked clarifications about the score and the Selection Committee answered with details when it is due by law. Having seen some requests from few doctoral candidates to check the titles (see the attachment) the selection committee checked again the Annex A at June 17, 2019.

Some minor and material errors occurred especially concerning foreign titles, incomplete career and title record, transcription errors in the columns. The Board elaborated a new Annex A called ERRATA that was published at June 17, 2019. A new candidate was admitted to the oral exams.

The new publication of the ERRATA overrode the old minutes of the results, so after the second publication of the ERRATA, we published at June 18 again the first version of the evaluation scores in order to respect the transparency principle.

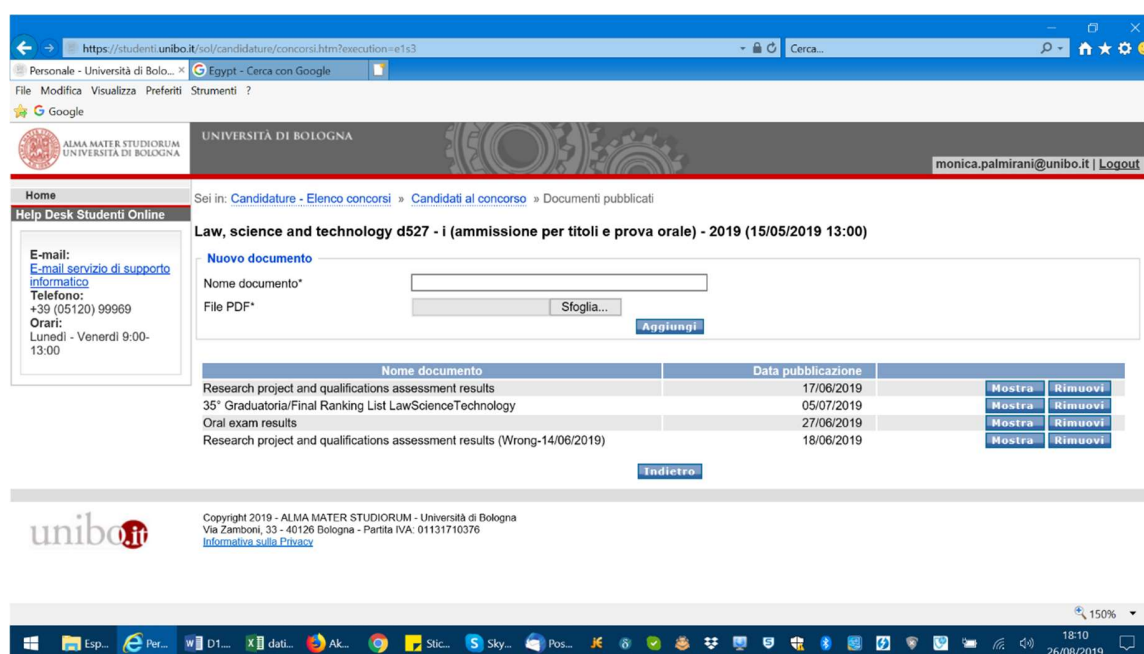


Figure 3 – Screen shot of the publication.

The ultimate list of the candidates admitted for the oral exams were 41. The calendar was organized in two days: each candidate had about 20-25 minutes.

3 Oral exams evaluation

At June 20-21, 2019, from 9.00 AM to 6.00PM the member of the selection committee attended in person the oral exams section at Bologna. Only prof. Mindaugas Kisis participated to the oral exams remotely due to unpredicted circumstance and prof. Schweighofer Erich was substituted by prof. Giovanni Sartor.

The selection committee was composed as follow:

1. Durante Massimo, University of Turin
2. Bajo Javier, Universidad Politécnica de Madrid
3. Kiskis Mindaugas, Mykolas Romeris University (remotely)
4. Heinze Christian, Leibniz Universität Hannover
5. Palmirani Monica, University of Bologna
6. Górriz López Carles, Universidad Autonoma de Barcelona
7. Sartor Giovanni, University of Bologna
8. Van Der Torre Leon, University of Luxembourg
9. Vedder Anton, Katholieke Universiteit Leuven

Out of 41 candidates 15 candidates performed the oral exams remotely and the calendar was organized in order to not create prejudice to whom that has time zone not in Central European Summer Time. Each skype contact was tested before with appropriate technical precautions.

The selection committee used in the oral interviews the criteria expressed in the call for applications reported here:

Oral examination

Minimum for inclusion in the final ranking list :30 points

Maximum: 50 points

Oral examination includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of the issues connected to the PhD programme. The oral examination is carried out in English.

Points relating to the oral examination shall be allocated on the basis of the following criteria:

- knowledge of English language: max 5 points
- research project presentation: max 20 points
- general knowledge of issues connected to the PhD programme: max 25 points

Possible evaluation sub-criteria will be available on the Unibo website, selecting the relevant PhD Programme "PhD programme information" at the bottom of the page in the section "Notices".

Additionally the selection committee investigates interest of each candidate to cover other topic of research according to their attitude, competences, skills, preferences. On the basis of this additional part of the interview the selection committee established if an applicants was eligible also for other positions linked the original topics.

Positions linked to specific research topics (art. 9 of the Call for applications)

Applicants must indicate the chosen research topic on the cover page of the research projects. Taking into account the preferences expressed by the applicants and with due consideration of the applicants' skills and expertise, the Admission Board will establish if the applicants can be considered eligible for the allocation of the positions linked to specific topics. Should the chosen candidate not accept, the offer will be made to the second on the list and so on until the position is

filled. Should available positions remain vacant, eligible applicants from the general ranking list may be contacted. The remaining available positions shall be awarded from the top of the ranking list downward, in compliance with the eligibility requirements for MSCA research grants

The selection committee evaluated each candidate after each interview, recording questions, score, final evaluation, the positions where each candidate was eligible.

Only two candidates out of 41 did not pass the oral exams. The total list of eligible candidates were 39.

At June 27, 2019 the selection committee published the results of the oral exam. In the Annex B it is shown the template of scoring method without the names due to the GDPR and privacy regulation.

4 Final Rector Decree and Enrolment

The Doctoral Office of UNIBO took the Annex A and Annex B and elaborated the final list of winners that was attached to the Rector Decree Rep. n. 1184/2019 - Prot. n. 146235 at 05/07/2019 (see Annex D).

We can not publish here the rector decree because the GDPR imposes to not create prejudice to the people that were not admitted to the PhD positions.

The most candidates winning the MSCA-ITN LAST-JD-RloE come from Italy, the others are well balanced coming from Austria, Netherland, Germany, Lithuania, Hungary, Turkey, China.

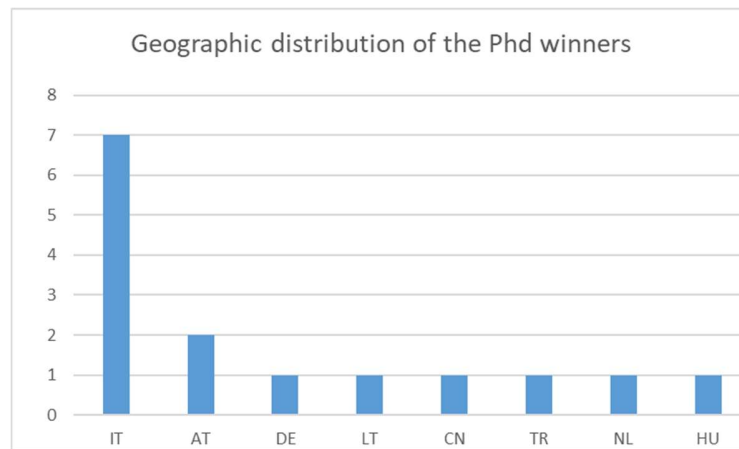


Figure 4 – Geographic distribution of the PhD Winners.

We are happy to say that we obtained a balanced classroom of PhD candidates respect the gender.

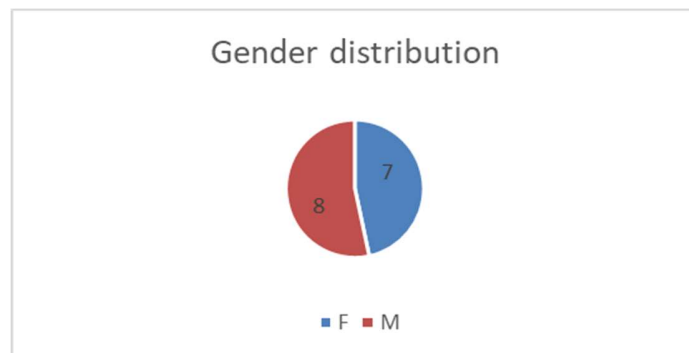


Figure 5 – Gender distribution.

The candidates were invited to enrol in UNIBO and at August 1st we had the final list of the enrolled candidates after a deep check of the official original titles and qualifications (see Annex C).

Annex A – Template table used to evaluate the titles

Applicant's Surname and Name	qualifications					research project #1				NUMBER	research project #2				NUMBER	research project #3				NUMBER	Average research project #3	Average research project	Total qualifications and research project	Admission to the Oral examination	Oral examination calendar in presence (date, time and place)	Oral examination viaSkype (date, time and place)	
	graduation final mark /WAM (max 7 points)	motivational letter (max 5 points)	publications (max 5 points)	reference letters (max 5 points)	other qualifications (max 2 points)	scientific value and groundbreaking nature of the proposal: max 11 points	description and structure of the proposal: max 5 points	proposal feasibility: max 10 points	Average research project #1		scientific value and groundbreaking nature of the proposal: max 11 points	description and structure of the proposal: max 5 points	proposal feasibility: max 10 points	Average research project #2		scientific value and groundbreaking nature of the proposal: max 11 points	description and structure of the proposal: max 5 points	proposal feasibility: max 10 points									
1									0,0					0,0					0,0	0,0	0,0						
2									0,0					0,0					0,0	0,0	0,0						

Annex B – Template table used to evaluate the oral exams

Applicant's Surname and Name	Total qualifications and research project	Admission to the Oral examination	Prova orale		Eligibility for final ranking list	Eligibility for Positions linked to specific research topics													
			knowledge of English language (max 5 points)	research project presentation (max 20 points)		4 - Ethical, Legal and Social issues of eHealth regarding personal sensitive data on an IoE platform for	5 - Governing algorithms in the Big Data era for balancing new digital rights	6 - Big data analysis systems in IoE environments for managing privacy and digital identity: pseudonymity, deanonimization and the right to be forgotten	7 - Influenceable Autonomous and Predictable Freedom in the IoE	8 - Neocommodification of persons: the exploitation of personal data and impact on the sharing economy	9 - Big Data for Health in IoE in emergency situations	10 - Surveillance risks in IoT applied to Smart Cities	11 - Distributed ledger technologies between anonymity and publicity	12 - Security and privacy of resource constrained devices	13 - Risk analysis and regulatory compliance of distributed ledger technologies for transaction and management of securities	14 - Internet of Things (Law): Legal liability of IoE devices in the home	15 - Ethical, Legal and Social issues of eHealth regarding sharing personal sensitive data on an IoE	16 - Internet of Data: Fundamental Rights in the context of the IoE and Big Data	17 - Internet of Healthcare (Law): Privacy and Data Protection Aspects in IoE

								m														plat for m (the eligi bilit y for this posi tion req uire s TO EFL or IEL TS)															
1		0				0																															
2		0				0																															

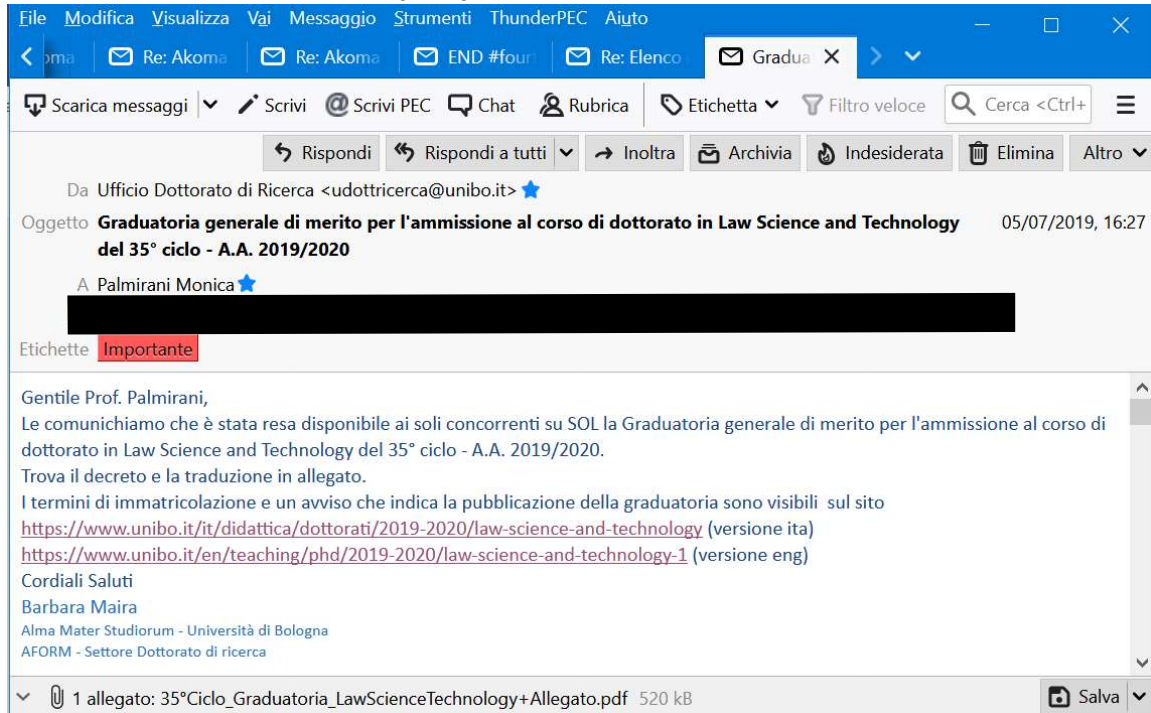
Annex C – Table of winners the MSCA-ITN positions

N.ESR/N.POSITION in the Call for Applications	BENEFICIARY	PROJECT TITLE	MOBILITY	CANDIDATE
ESR1/ (5)	UNIBO	Governing algorithms in the Big Data era for balancing new digital rights	UNIBO (ben.), UNITO, UPM	YALCIN ORHAN GAZI
ESR2/ (6)	UNIBO	Big data analysis systems in IoE environments for managing privacy and digital identity: pseudonymity, deanonymization, and the right to be forgotten.	UNIBO (ben.), UAB, UNITO	PODDA EMAUELA
ESR3/ (16)	LUH	Internet of Data: Fundamental Rights in the context of the IoE and Big Data	LUH (ben.), MRU, UNIBO	VARGA STEPHAN
ESR4/ (12)	UL	Security and privacy of resource constrained devices	UL (ben.), UNIBO, UNITO	CHIARA PIER GIORGIO
ESR5/ (14)	MRU	Internet of Things (Law): Legal liability of IoE devices in the home	MRU (ben.), UNIBO, UNITO	GENNARI FRANCESCA
ESR6/ (10)	UAB	Surveillance risks in IoT applied to Smart Cities	UAB (ben.), UNIBO, KUL	NERONI REZENDE ISADORA
ESR7/ (19)	UPM	Location privacy and inference in online social networks	UPM (ben.), UNIBO, UNITO	ZICHICHI MIRKO
ESR8/ (8)	UNITO	Neo-commodification of persons: the exploitation of personal data and impact on the sharing economy	UNITO (ben.), UNIBO, UNIVIE	VOGEL YANNICK
ESR9/ (7)	UNIBO	Influenceable Autonomy and Predictable Freedom in the IoE	UNIBO (ben.), KUL, MRU	GARTNER MAXIMILIAN
ESR10/ (9)	UNITO	Big Data for Health in IoE in emergency situations	UNITO (ben.), UNIBO, UL	GERYBAITE AISTE
ESR11/ (17)	UNIVIE	Internet of Healthcare (Law): Privacy and Data Protection Aspects in IoE	UNIVIE (ben.), UNIBO, UNITO	RAK RICHARD RUDOLF
ESR12/ (15)	KUL	Ethical, Legal and Social issues of eHealth regarding sharing personal sensitive data on an IoE platform	KUL (ben.), UNIBO, UAB	BRESIC DANIELA

ESR13/ (13)	UL	Risk analysis and regulatory compliance of distributed ledger technologies for transaction and management of securities	UL (ben.), UNIBO, UNITO	YU LIUWEN
ESR 14/ (11)	UAB	Distributed ledger technologies between anonymity and publicity	UAB (ben.), UNIBO, KUL	POCHER NADIA
ESR 15/ (18)	UNIVIE	Distributed ledger technologies beyond financial applications: eDemocracy and new forms of Governance	UNIVIE (ben.), UNIBO, UNITO	DISTEFANO BIAGIO

Annex D – Rector Decree and Enrolment process

D.1 Rector Decree at 05/07/2019



The screenshot shows an email interface with a blue header bar. The email is from 'Ufficio Dottorato di Ricerca <udottricerca@unibo.it>' and is dated '05/07/2019, 16:27'. The subject is 'Graduatoria generale di merito per l'ammissione al corso di dottorato in Law Science and Technology del 35° ciclo - A.A. 2019/2020'. The recipient is 'Palmirani Monica'. The email content includes a greeting to Prof. Palmirani, information about the availability of the merit-based admission list on the SOL system, and links to the Italian and English versions of the admission terms and conditions. The sender is Barbara Maira from the AFORM - Settore Dottorato di ricerca. An attachment '35°Ciclo_Graduatoria_LawScienceTechnology+Allegato.pdf' (520 kB) is listed at the bottom.

Da Ufficio Dottorato di Ricerca <udottricerca@unibo.it> ★

Oggetto **Graduatoria generale di merito per l'ammissione al corso di dottorato in Law Science and Technology del 35° ciclo - A.A. 2019/2020** 05/07/2019, 16:27

A Palmirani Monica ★

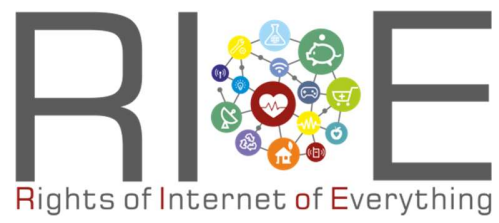
Etichette **Importante**

Gentile Prof. Palmirani,
Le comuniciamo che è stata resa disponibile ai soli concorrenti su SOL la Graduatoria generale di merito per l'ammissione al corso di dottorato in Law Science and Technology del 35° ciclo - A.A. 2019/2020.
Trova il decreto e la traduzione in allegato.
I termini di immatricolazione e un avviso che indica la pubblicazione della graduatoria sono visibili sul sito
<https://www.unibo.it/it/didattica/dottorati/2019-2020/law-science-and-technology> (versione ita)
<https://www.unibo.it/en/teaching/phd/2019-2020/law-science-and-technology-1> (versione eng)
Cordiali Saluti
Barbara Maira
Alma Mater Studiorum - Università di Bologna
AFORM - Settore Dottorato di ricerca

1 allegato: 35°Ciclo_Graduatoria_LawScienceTechnology+Allegato.pdf 520 kB

D.2 Enrolment completed at 01/08/2019 in UNIBO

The screenshot shows the Thunderbird email client interface. At the top, there is a menu bar with options: File, Modifica, Visualizza, Vai, Messaggio, Strumenti, ThunderPEC, and Aiuto. Below the menu bar, there are several tabs for different emails, including 'Re: Akoma', 'END #four', 'Re: Elenco', and 'Re: Elen X'. A toolbar contains various actions like 'Scarica messaggi', 'Scrivi', 'Scrivi PEC', 'Chat', 'Rubrica', 'Etichetta', and 'Filtro veloce'. Below the toolbar, there are buttons for 'Rispondi', 'Rispondi a tutti', 'Inoltra', 'Archivia', 'Indesiderata', 'Elimina', and 'Altro'. The email header shows it is from 'Da [redacted]' with the subject 'R: Elenco degli immatricolati' and the date '01/08/2019, 10:22'. The recipient is 'A Palmirani Monica'. The email content starts with 'Gentile Professoressa, In allegato l'elenco iscritti.' followed by a large redacted area. Below this, it says 'Un caro saluto.' followed by another redacted area. The contact information is 'AFORM - Settore Dottorato di ricerca' and 'Tel. +39 051 20 94649'. At the bottom, there is an attachment bar showing '1 allegato: PerCollegio_35°Elencoscritti_LawScienceTechnology.xlsx' (12,6 kB) with a 'Salva' button. Below the attachment bar, the file name 'PerCollegio_35°Elencoscritti_LawScienceTechnology.xlsx' (12,6 kB) is listed. At the very bottom of the interface, there is a status bar showing 'Non letti: 4469' and 'Totale: 31833'.



The LAST-JD-RIoE project

22/08/2019

LAST-JD-RIoE-D1.2

Horizon 2020 – MSCA-ITN-EJD