

INSTITUTE OF GRADUATE STUDIES IN HEALTH SCIENCES
ORPHEUS LABELING VISIT

orpheus
ORganisation of PhD Education in Biomedicine and Health Sciences in the EUropean System

MARCH 2022

08.03.2022 (Tuesday)

Visit to Rector of Istanbul University - Prof. Dr. Mahmut Ak	9:00-9:30
Introduction of Istanbul University and Doctorate Education	**9:30-10:45**

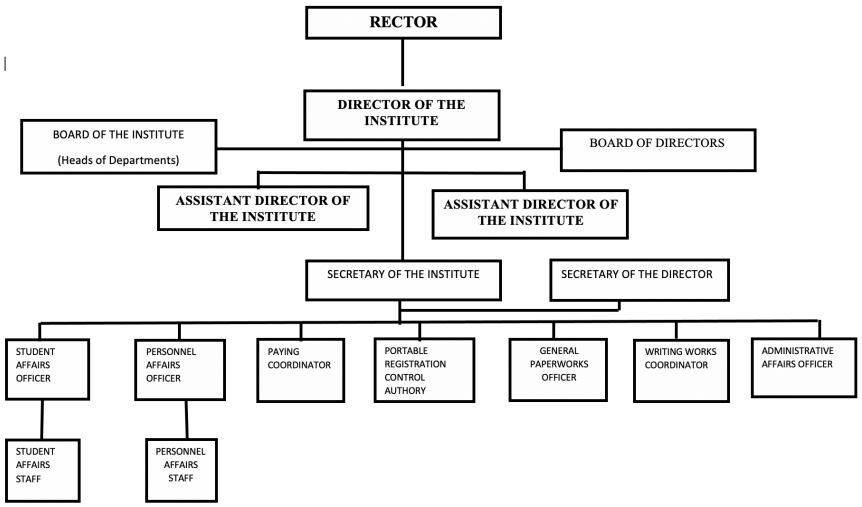
- *Director of IU-IGSIHS- Prof. Dr. Zeynep Karakaş*
- As a Research University Istanbul University-*Vice Rector, Prof. Dr. Mustafa Oral Öncül (15 min)*
- İU Center of Excellence for Clinical Research- *Prof Dr. Yağız Üresin (15 min)*
- The crucial role of *Technology Transfer Office (TTO)* in the PhD programs-*Head of Technology Transfer Center-Prof. Dr. Alper Okyar (15 min)*
- Good quality practices in Istanbul University Education -*Head of the Education Council – Prof. Dr. Eray Yurtseven (15 min)*
- *Establishing a Technology Platform for Innovative Drug Development - Human Resource Perspective-Prof. Dr. Ahmet Gül (15 min)*

Coffee Break	**10:45-11:00**

ORPHEUS Labelling Committee - Prof. Dr. Rudolf Schubert, Prof. Dr. Hakan Orer **11:00-11:20**	
Doctorate Education in IGSIHS- *Director of IU-IGSIHS Prof. Dr. Zeynep Karakaş*	**11:20-11:40**
Discussion of questionnaire – Basic Standards and Quality Development *Müge Sayitoğlu, Kıvanç Bektaş Kayhan, Meryem Sedef Erdal,* *Ayşe Evrim Bayrak, Merva Soluk Tekkeşin*	**11:40-13:00**
LUNCH	**13:00-14:00**
Round Table Meetings Meeting with PhD program representatives Meeting with PhD supervisors	 **14:00-15:00** **15:00-16:00**
Coffee Break	**16:00-16:10**
Meeting with PhD candidates Time for panel to draft preliminary report	**16:10-17:10** **17:10-19:00**
Dinner	**19:30**

09.03.2022 (Wednesday)	
University Tour Çapa Campus Aziz Sancar Institute of Experimental Medicine Faculty of Medicine Beyazıt Campus Faculty of Dentistry Faculty of Pharmacy (Biopharma-Technopharma tour)	**09:00-12:00**
LUNCH	**12:00-13:00**
Time for panel to draft preliminary report Wrap-up session with IU-IGSIHS Leadership	**13:00-14:00** **14:00-15:00**

Organization Chart of the Institute



Institute of Graduate Studies in Health Sciences

Doctoral Process

1. semester	2. semester	3. semester	4. semester	5. semester	6. semester
Course Periode ARS-I 30-45 ECTS Supervisor assignment	**Course Periode** ARS-II 30-45 ECTS	**Course Periode** ARS-III 30-45 ECTS	**The Proficiency/ Thesis Periode** 30 ECTS Determination of the **Thesis Monitoring Committee (TMC)** and thesis project	**Thesis Periode** 30 ECTS TMC report	**Thesis Periode** 30 ECTS TMC report

7. semester	8. semester	9. semester	10. semester	11. semester	12. semester
Thesis Periode 30 ECTS TMC report	**Thesis Periode** 30 ECTS TMC report The end of normal time	**Thesis Periode** 30 ECTS TMC report	**Thesis Periode** 30 ECTS TMC report	**Thesis Periode** 30 ECTS TMC report	**Thesis Periode** 30 ECTS TMC report The end of maximum time

- PhD candidates must take 15% (at least 20 ECTS) of transferable skills courses in order to start PhD thesis.
- To complete the Scientific Research and Ethical Principles course is a legal requirement for each PhD candidate before starting the thesis.
- **Approach to Research Studies (ARS)** I-II-III courses aim to increase the abilities and vision of the PhD candidate regarding the conducting of a research with their own supervisor.
- Upon the collection of required ECTS (minimum 90) from the courses, the candidates enter a proficiency exam in front of five academic staff, at least two of which should be out of Istanbul University. Following a successful proficiency exam, there are defined timeframes for submission of PhD thesis project, and a project report should be submitted and approved by the Institute every six months (each semester).
- In addition, an array of complementary activities are offered to the PhD students (Ex: courses, clinical studies, journal clubs, participation in conferences, seminars and workshops) after the proficiency exam.
- All PhD candidates have four years to finish their studies, also they can extend their programme two years by the approval of the Board of the Institute.
- The PhD thesis assessment committee consists of six members, of whom one-the supervisor- has no vote.

Institute of Graduate Studies in Health Sciences
orpheus Calendar

- First ORPHEUS idea – June 2019✓
- Sharing the idea in the general Institute Board- Fall 2019 ✓
- English web-site updates- Fall 2019 ✓
- Self-Evaluation Questionary studies- Fall 2019 ✓
- Course related regulations (Approach to Research Studies)- Fall 2019✓
- Thesis jury regulations (6 members including the supervisor who has no vote) ✓
- ORPHEUS Institutional Membership-January 2020✓

- PhD Candidate - Supervisor Agreement -2020- In Applicable ✓
- Complementary Activities Regulations- Fall 2020 ✓
- Supervisors Training I -24 November 2020 ✓
- Completion of Self-evaluation Questionnaire and submitting the official application - September 2021 ✓
- Approval of Transferable Skills Courses by Institute Board Fall 2021, implemented (Spring 2022)
- Handbook for Supervisor- September 2021✓

- Conducting the surveys since January 2021 ✓
- Application for Interdisciplinary Departments August 2021✓
- Revision request of Self-Evaluation Questionnaire – November 2021
- Supervisors Training II -7 December 2021 ✓
- Postgraduate Education Regulation approved ✓ Entered into force-2022 ✓
- Supervisor Regulation approved -2022 ✓
- ORPHEUS Labeling visit✓ March 2022

Course Related Regulations

- Asked to reduce the obligatory courses (still in progress)
- Increase the elective courses
- Implemented the “Apporach to Thesis Research” course (applicable for 3 semesters now)
- Added transferrable skills courses (applicable this semester)
  - Seminar, Ethics, Communication Skills, Statistics, Clinical Reseach, Scientific Writing and Presentation Skills, Occupational Health and Safety

Supervisor Related Regulations

- Supervisor trainings
- Supervisor's legal regulations (approved by senate this semester)
  - Qualifications of the supervisors
  - Assignment of supervisors
- Supervisor's Handbook
- PhD-Candidate-Supervisor-Institute Agreement (applicable for 3 semesters now)

- **Supervisors Training**
  (24 November 2020)

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İSTANBUL ÜNİVERSİTESİ
SAĞLIK BİLİMLERİ ENSTİTÜSÜ

ORPHEUS SÜRECİ VE DANIŞMANLIK EĞİTİMİ KURSU

24 Kasım 2020

10:00-10:15- Açılış- *Prof. Dr. Zeynep Karakaş*- **İstanbul Üniversitesi Sağlık Bilimleri Enstitüsü Müdürü**

10:15-10:45- ORPHEUS'da iyi uygulama standartları- *Prof. Dr. Gül Güner Akdoğan*-İzmir Ekonomi Üniversitesi-ORPHEUS Etiket Komisyonu Eş Başkanı-IUBMB Eğitim Kurulu Üyesi

10:45-11:30- Lisansüstü Eğitimde Danışmanlık Etik ve Hukuki Sorumlulukları - *Prof. Dr. Hakan Örer*- Koç Üniversitesi-UNESCO Biyoetik Komitesi Üyesi-ORPHEUS Yönetim Kurulu Üyesi

11:30-11:45- Ara

11:45-12:30- Danışmanın Rolü ve Yükümlülükleri - *Prof. Dr. Feyza Arıcıoğlu*- Marmara Üniversitesi Sağlık Bilimleri Enstitüsü Müdürü-CINP Eğitim Kurulu Üyesi-ORPHEUS Türkiye Büyükelçisi

12:30-12:50- Hacettepe SBE Orpheus Deneyimi- *Doç. Dr. Bilge Pehlivanoğlu* – Hacettepe Üniversitesi Sağlık Bilimleri Ensitüsü Müdür Yardımcısı

12:50-13:10- Kocaeli SBE Orpheus Deneyimi- *Prof. Dr. Sema Aşkın Keçeli*- Kocaeli Üniversitesi Sağlık Bilimleri Enstitüsü Müdürü

13:10-13:30- Sorular ve Kapanış

- **Supervisors Training I**
  (7 December 2021)



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SAĞLIK BİLİMLERİ ENSTİTÜSÜ

ORPHEUS SÜRECİ VE DANIŞMANLIK EĞİTİMİ KURSU II

7 Aralık 2021

10:00-10:15- Açılış- *Prof. Dr. Zeynep KARAKAŞ*- **İstanbul Üniversitesi Sağlık Bilimleri Enstitüsü Müdürü**

10:15-10:45- ORPHEUS'da İyi Uygulama Standartları- *Prof. Dr. Gül GÜNER AKDOĞAN* -İzmir Ekonomi Üniversitesi-ORPHEUS Etiket Komisyonu Eş Başkanı-IUBMB Eğitim Kurulu Üyesi

10:45-11:30- Danışmanın Rolü ve Yükümlülükleri - *Prof. Dr. Hakan ÖRER* - Koç Üniversitesi-UNESCO Biyoetik Komitesi Üyesi-ORPHEUS Yönetim Kurulu Üyesi

11:30-11:40-Sorular ve Tartışma

11:40-12:00-Nefes ve Meditasyon- *Prof. Dr. Ayşe MUDUN* – İstanbul Tıp Fakültesi Nükleer Tıp Anabilim Dalı

12:00-12:30-Ara

12:30-13:15-Kişisel Bir Beceri Olarak Kendini Düzenleme-*Doç. Dr. Şerife Sema KARAKELLE* - Edebiyat Fakültesi Psikoloji Bölümü

13:15-14:00-Zaman Yönetimi-*Prof. Dr. Emine Nilüfer PEMBECİOĞLU* -İletişim Fakültesi Radyo Televizyon Ve Sinema Bölümü

14:00-14:45-Yüksek Lisans ve Doktora Öğrencileri ile İletişim Becerileri- *Prof. Dr. Güler BAHADIR* - İstanbul Tıp Fakültesi, Ruh Sağlığı ve Hastalıkları Ana Bilim Dalı

14:45- Sorular ve Kapanış

Proficiency Exams and PhD Thesis Defense

- New regulations to be able to enter the proficiency exam
  - An accepted manuscript for publication (might be generated from the thesis or his/her researches) or
  - A presentation in a scientific meeting.
- Thesis juries are composed of 6 members (no vote for supervisors) (applicable for 3 semesters)
- New regulations to be able to enter PhD defense

New regulations for PhD Proficiency Exam Entrance

- An accepted manuscript accepted related to the thesis or program
- OR
- Scientific meeting abstract (oral or poster) should be presented to the Institute Directory Board

New regulations for PhD Defense

- At least one study published or accepted in an SCI, SCI-expanded, E-SCI or AHCI journal (Q1 paper counts as three papers, a Q2 paper counts as two papers.)
- · At least one research manuscript submitted for publication in such a journal
- · At least one published or accepted paper in a national or international journal that is not covered by SCI.
- · Also a scientific meeting abstract published as a full-text or a summary in an international conference (also electronic) book and in WOS database.
- . A thesis-related patent application or/approval.

New regulations for PhD Supervision

- Must be a faculty member
- Must give graduate and undergraduate courses in last two years
- Must publish at least one SCI manuscript in the last two years OR
- Must be a director or researcher in an ongoing project (national or international) OR
- Obtained or applied a patent in her/his science field
- Must have a Supervisor Training Certificate

Supervisor-Candidate Agreement

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İSTANBUL ÜNİVERSİTESİ
SAĞLIK BİLİMLERİ ENSTİTÜSÜ
LİSANSÜSTÜ ÖĞRENCİ-DANIŞMAN ANLAŞMASI

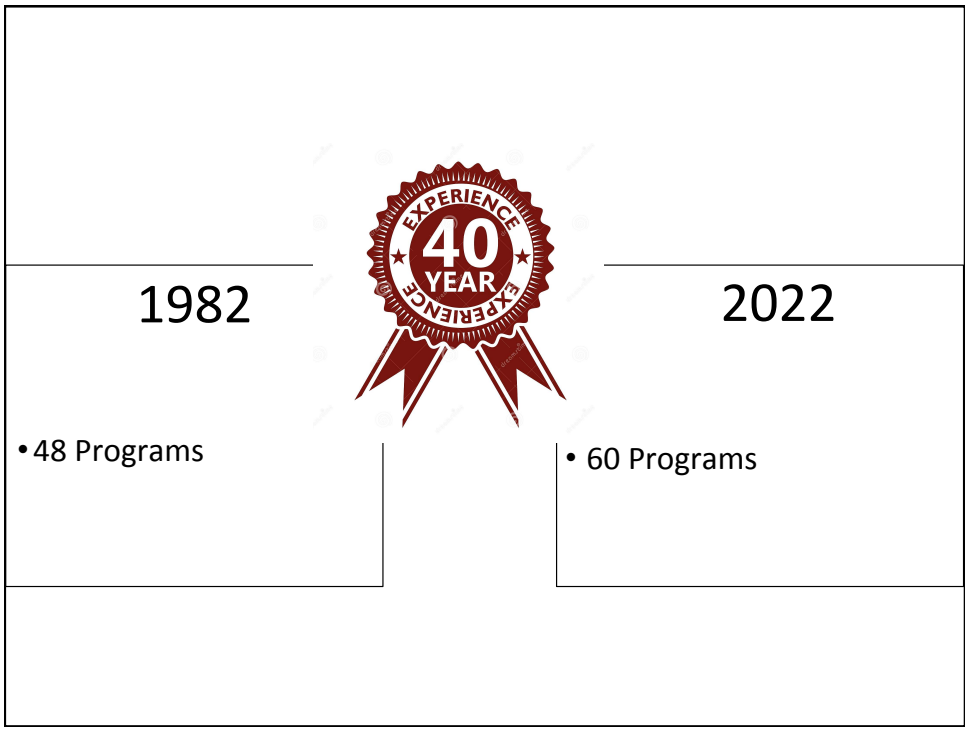
Bu anlaşma İstanbul Üniversitesi Sağlık Bilimleri Enstitüsü .....Yüksek Lisans/Doktora programında kayıtlı öğrencimiz ....., danışman ..... ve İÜ Sağlık Bilimleri Enstitüsü arasındadır.

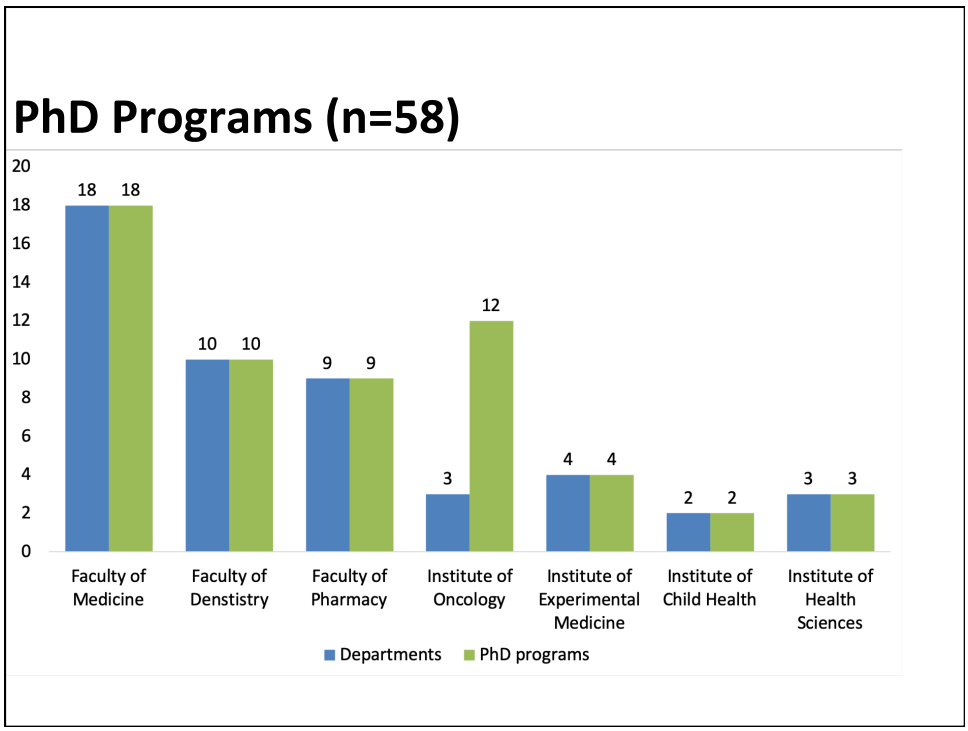
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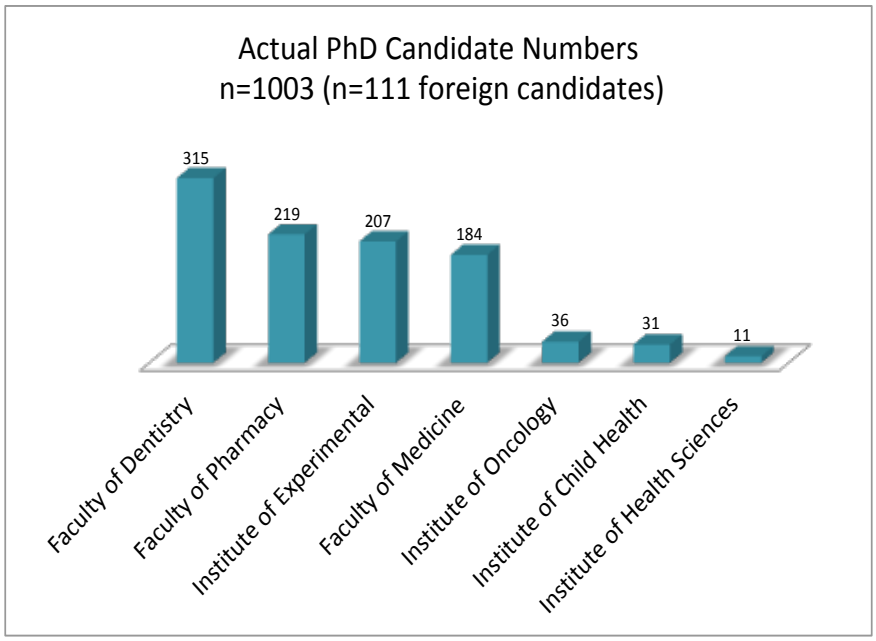
İstanbul Üniversitesi
Sağlık Bilimleri Enstitüsü adına
Enstitü Müdürü

Danışman

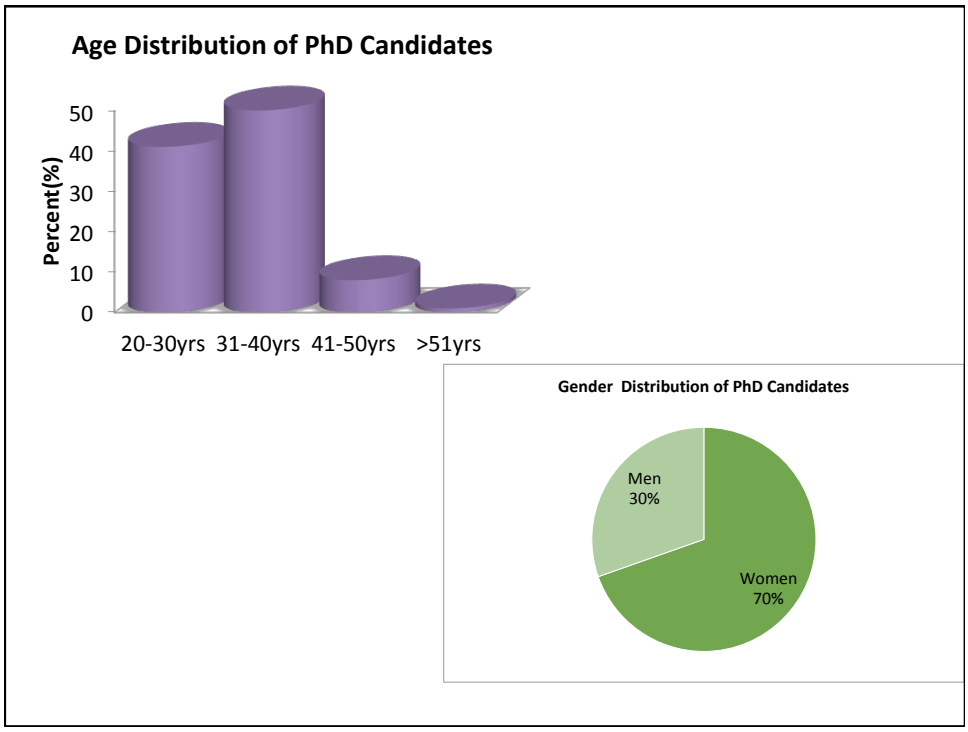
Öğrenci

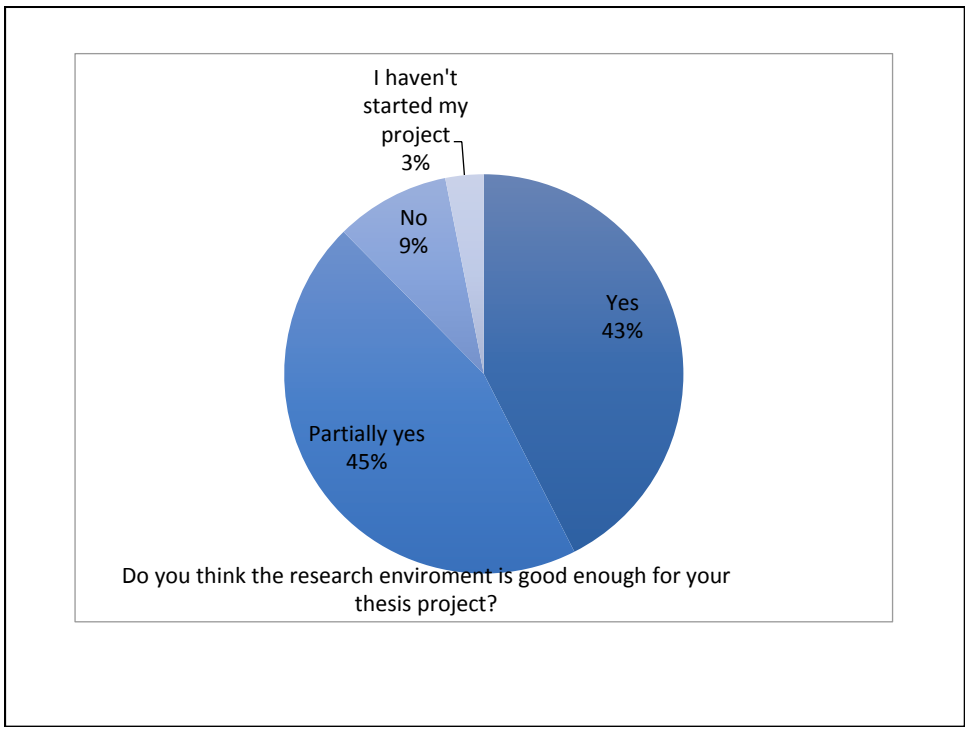

1982
2022
• 48 Programs
• 60 Programs

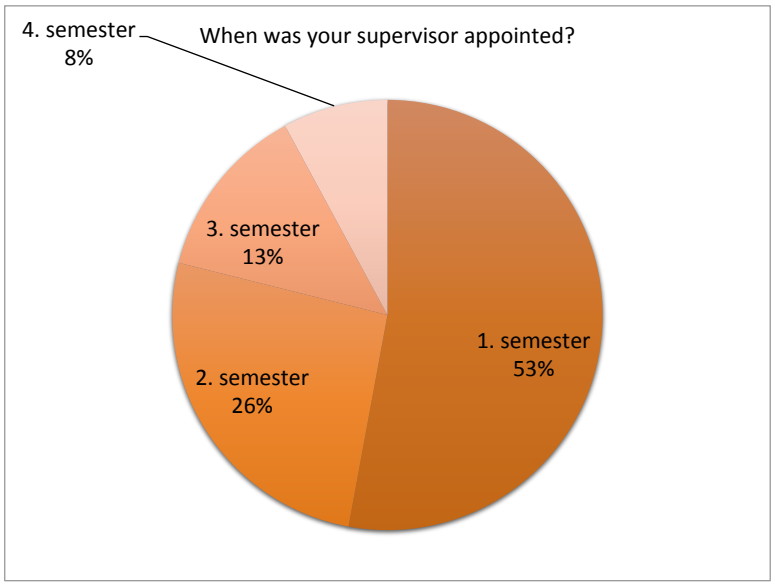

PhD Programs (n=58)
20
18
16
14
12
10
8
6
4
2
0
18 18
10 10
9 9
3 12
4 4
2 2
3 3
Faculty of Medicine
Faculty of Denstistry
Faculty of Pharmacy
Institute of Oncology
Institute of Experimental Medicine
Institute of Child Health
Institute of Health Sciences
Departments
PhD programs

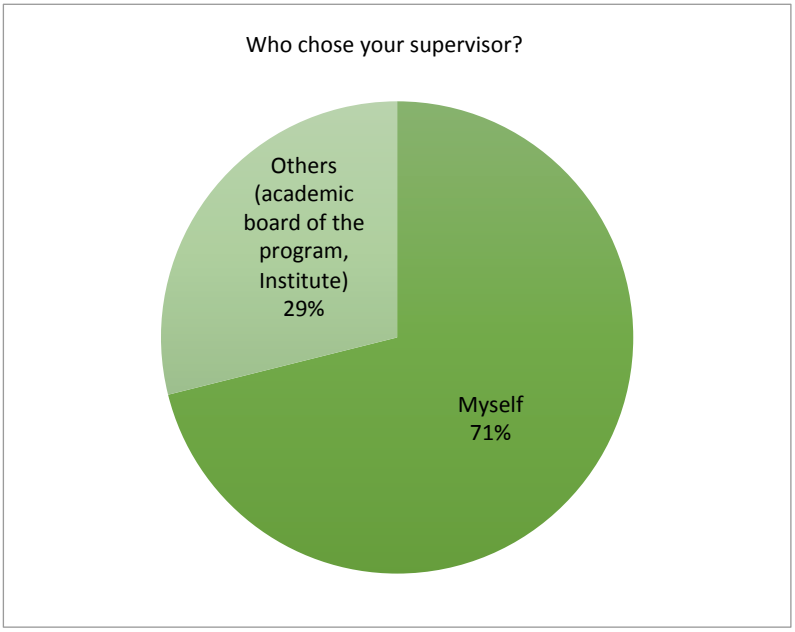


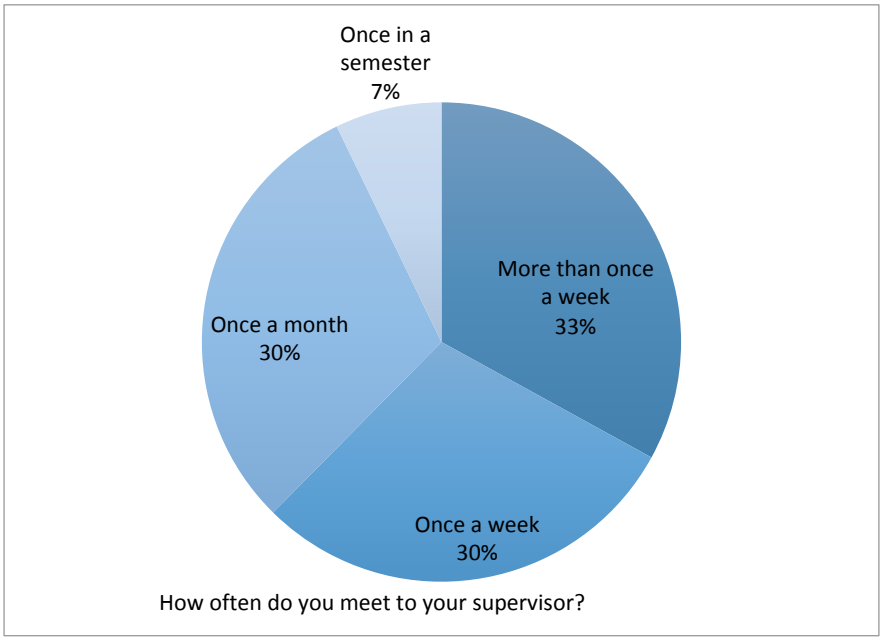
PhD Candidates' survey


Age Distribution of PhD Candidates
Percent(%)
50
40
30
20
10
0
20-30yrs
31-40yrs
41-50yrs
>51yrs
Gender Distribution of PhD Candidates
Men
30%
Women
70%

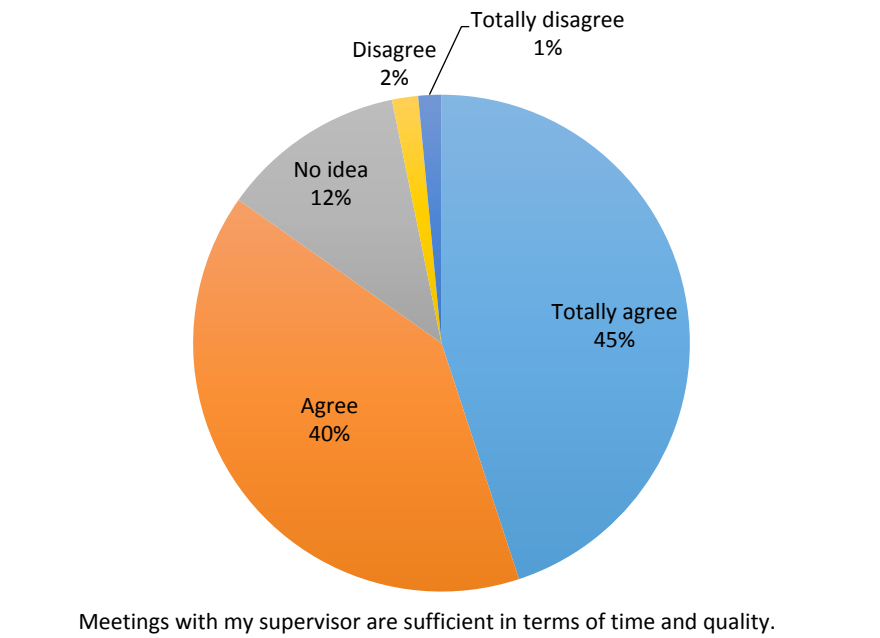

I haven't started my project 3%
No 9%
Yes 43%
Partially yes 45%
Do you think the research enviroment is good enough for your thesis project?


When was your supervisor appointed?
4. semester
8%
3. semester
13%
2. semester
26%
1. semester
53%

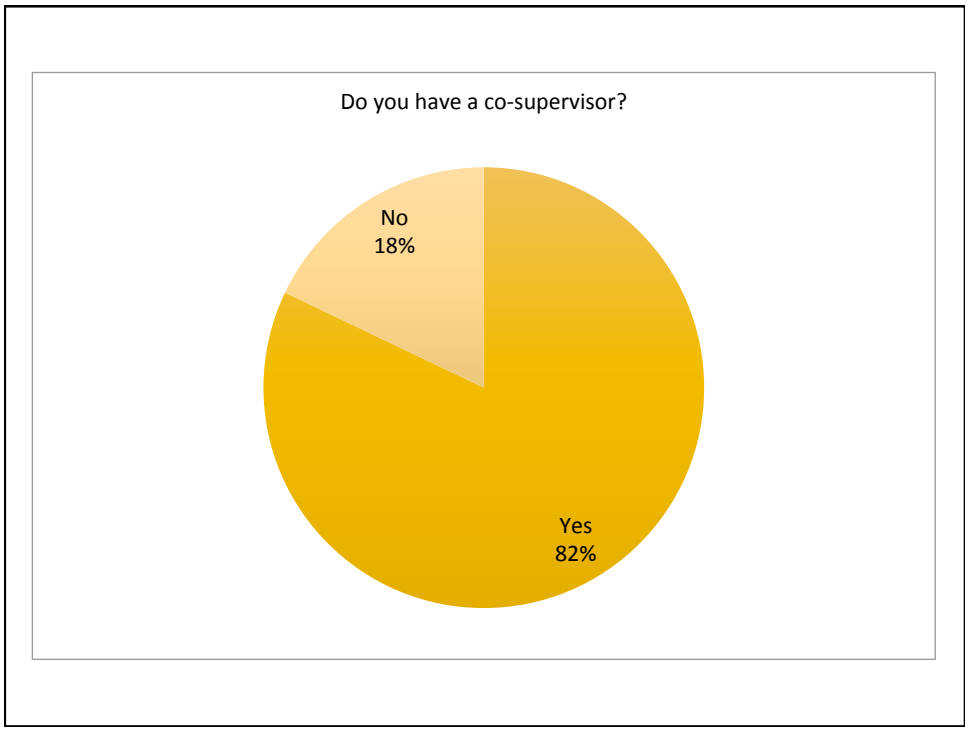

Who chose your supervisor?
Others
(academic
board of the
program,
Institute)
29%
Myself
71%

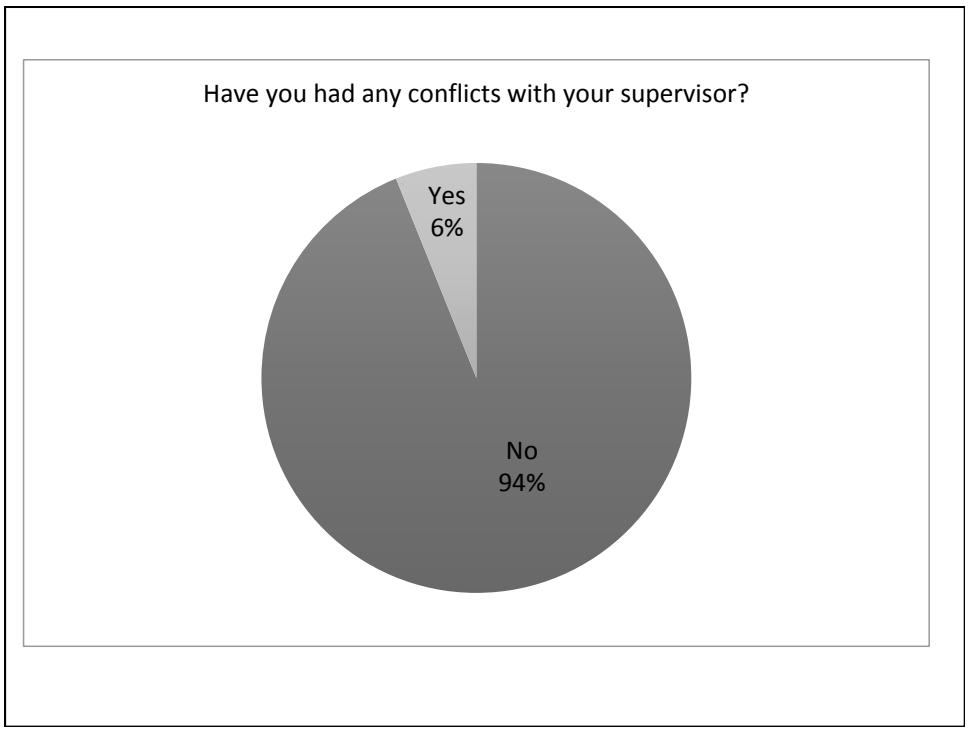


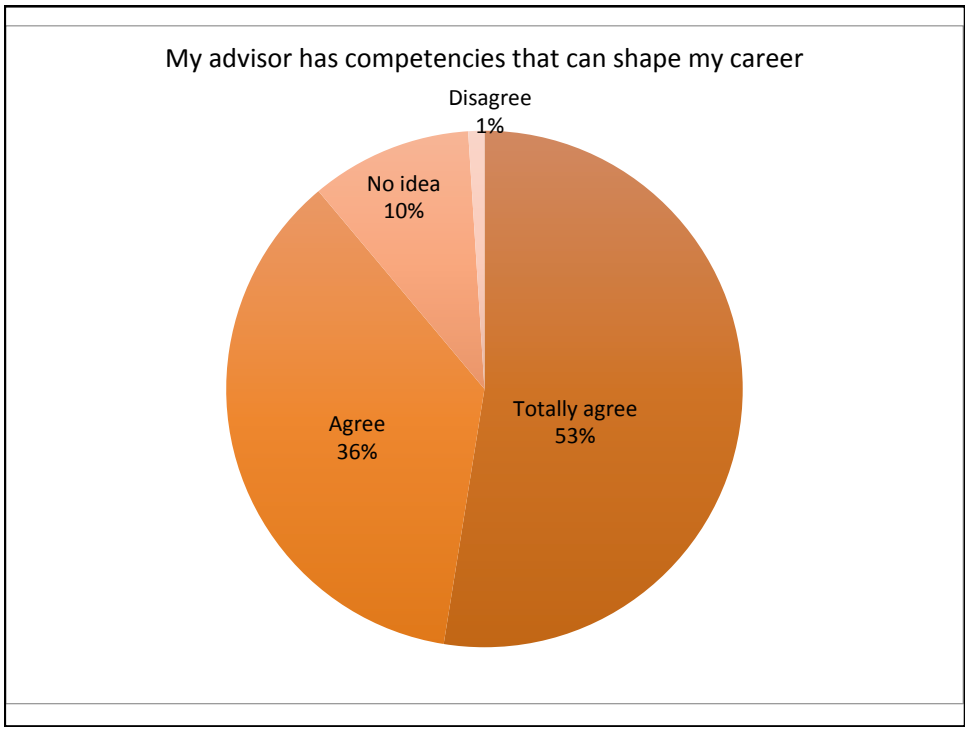
How often do you meet to your supervisor?

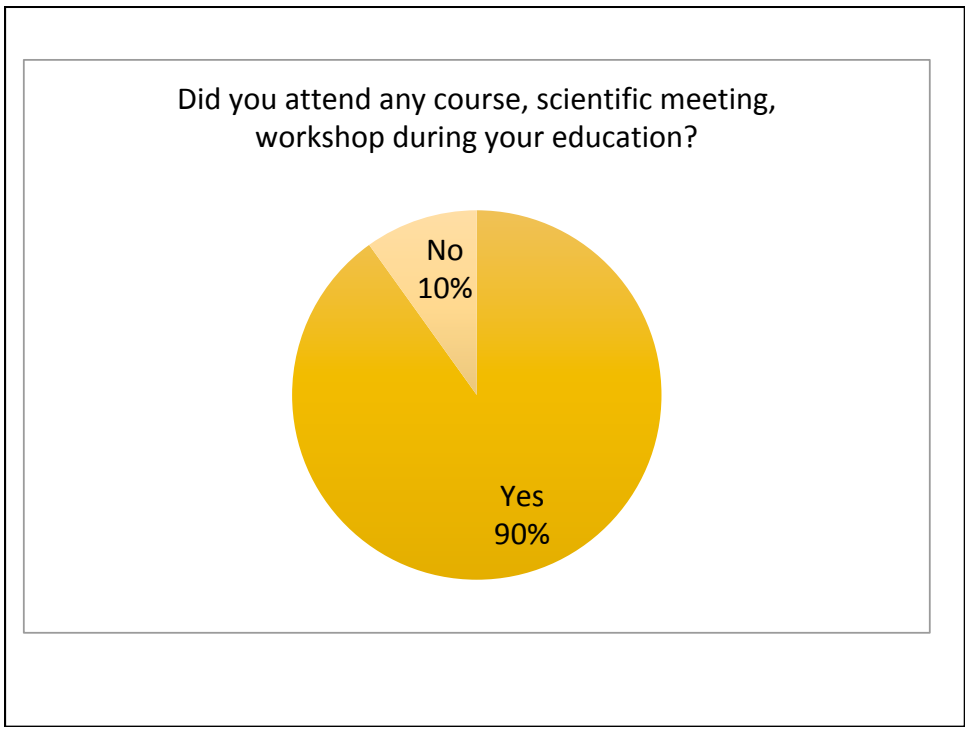


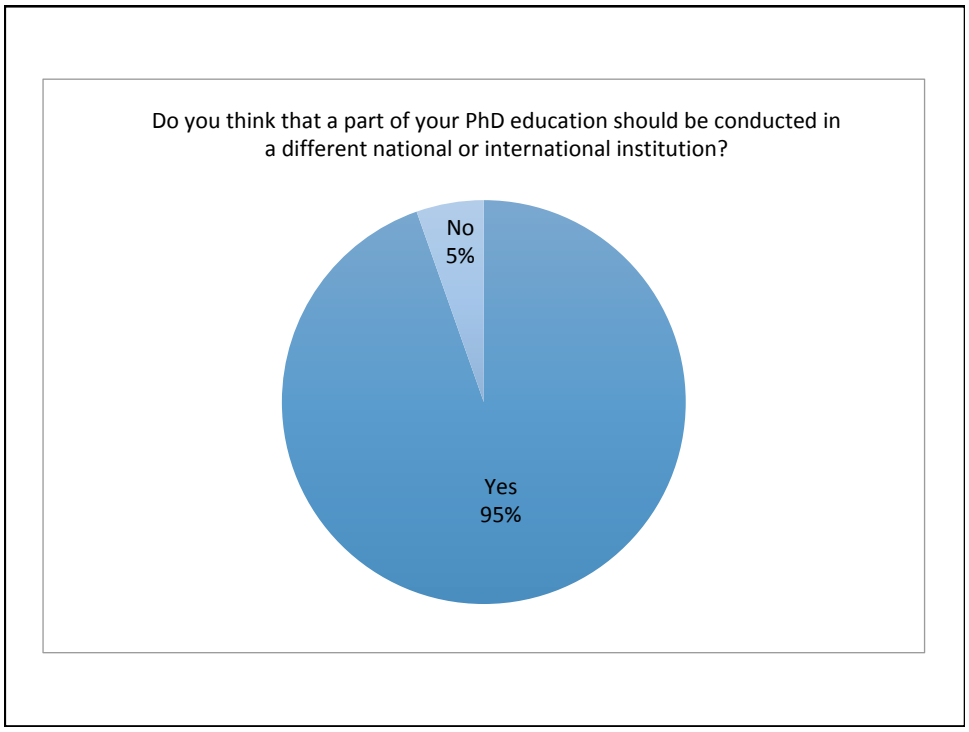
Meetings with my supervisor are sufficient in terms of time and quality.

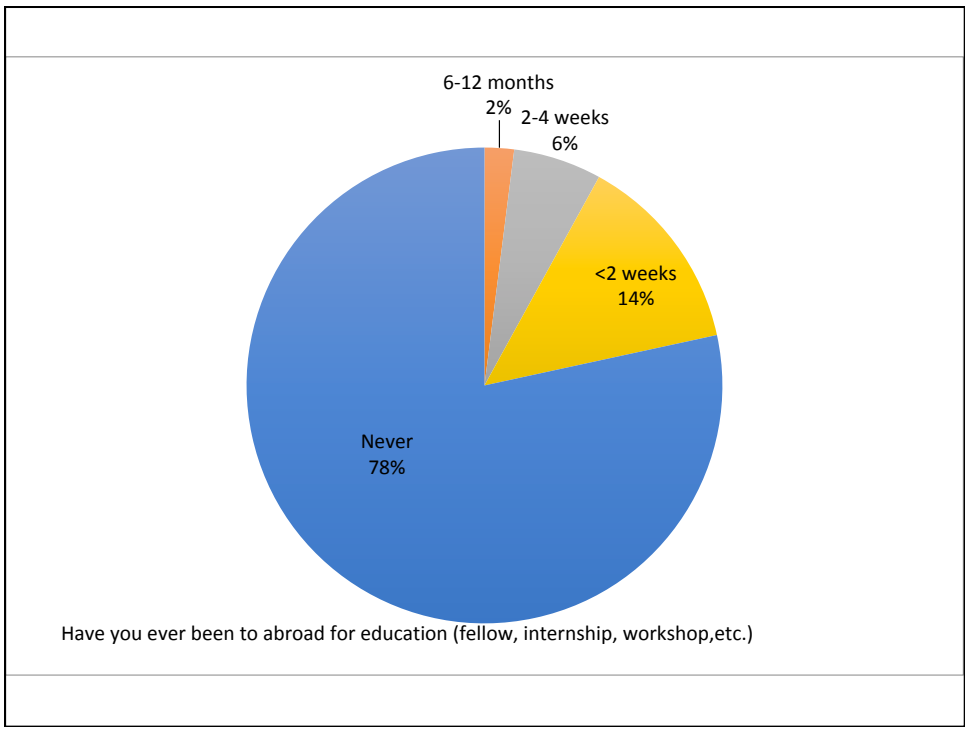

Do you have a co-supervisor?
No
18%
Yes
82%

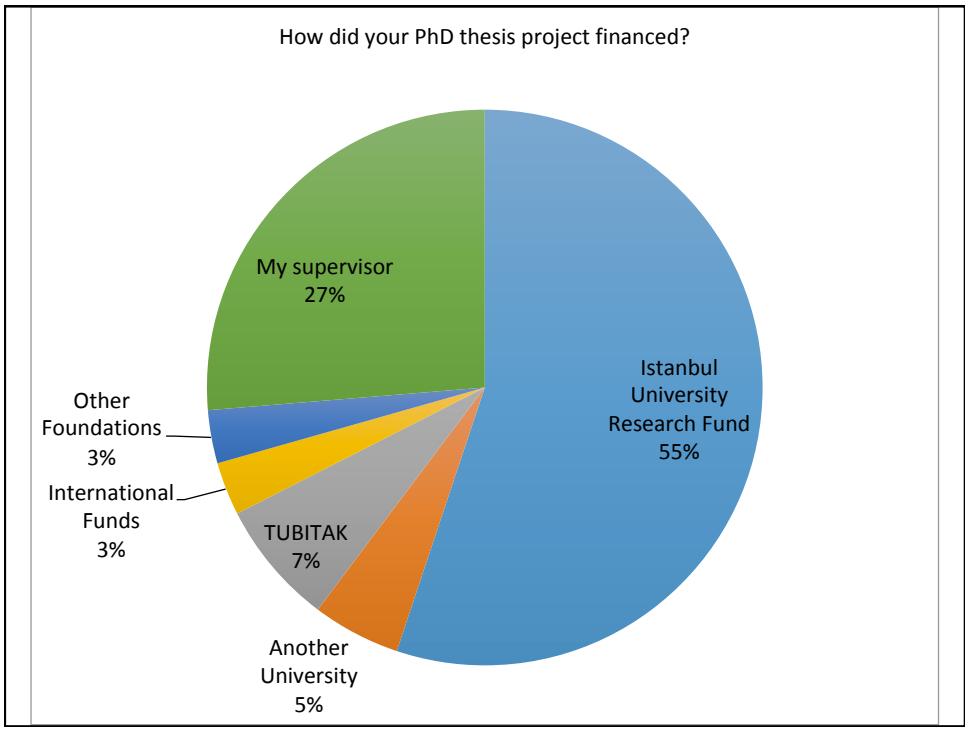

Have you had any conflicts with your supervisor?
Yes
6%
No
94%

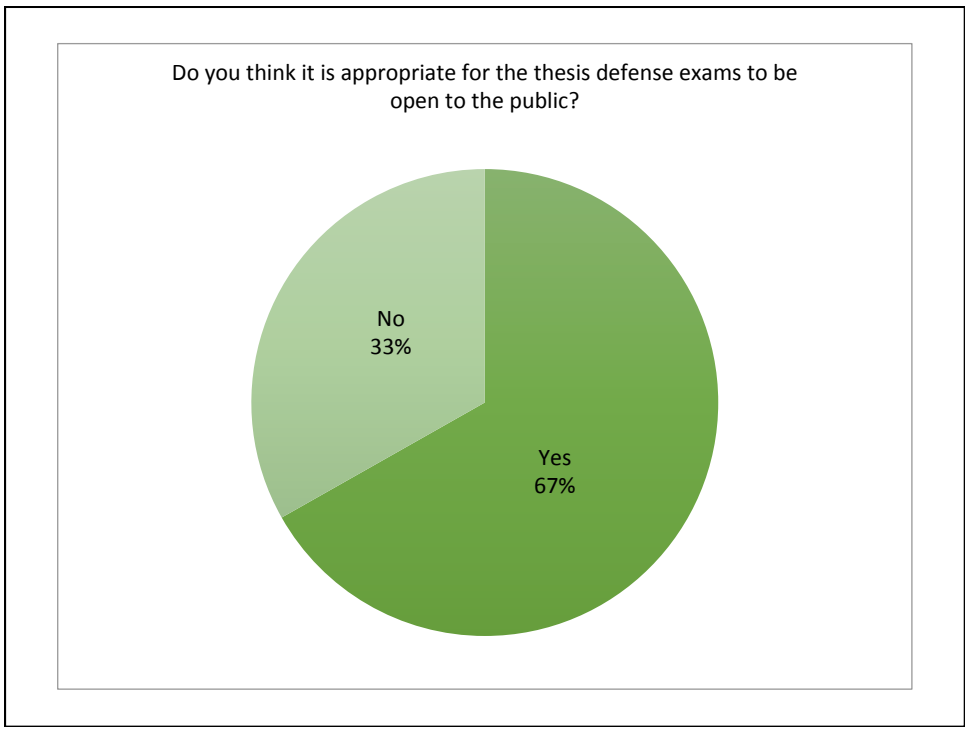

My advisor has competencies that can shape my career
Disagree
1%
No idea
10%
Agree
36%
Totally agree
53%

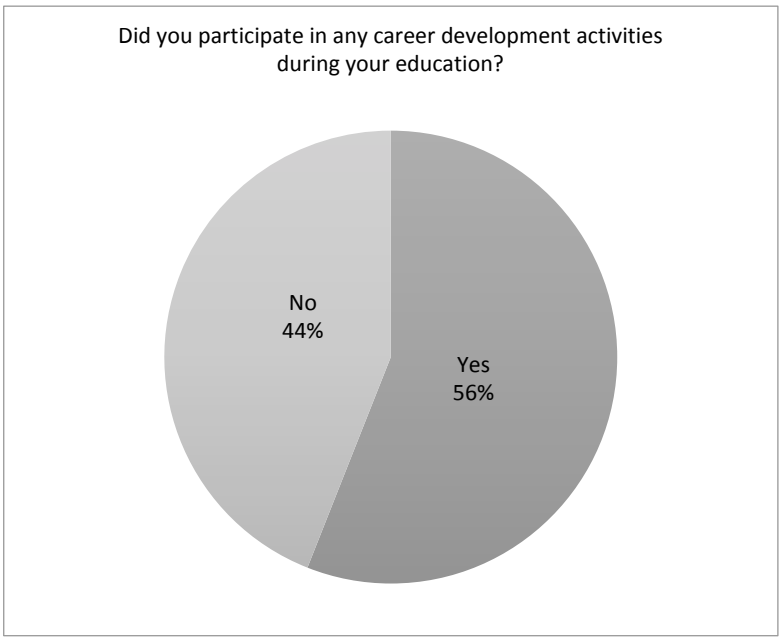

Did you attend any course, scientific meeting, workshop during your education?
No
10%
Yes
90%

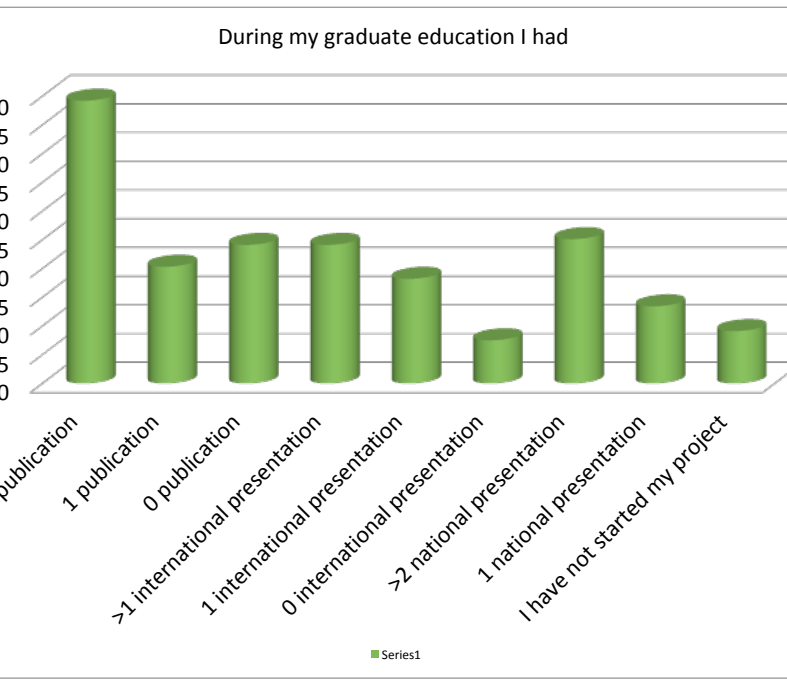

Do you think that a part of your PhD education should be conducted in a different national or international institution?
No 5%
Yes 95%

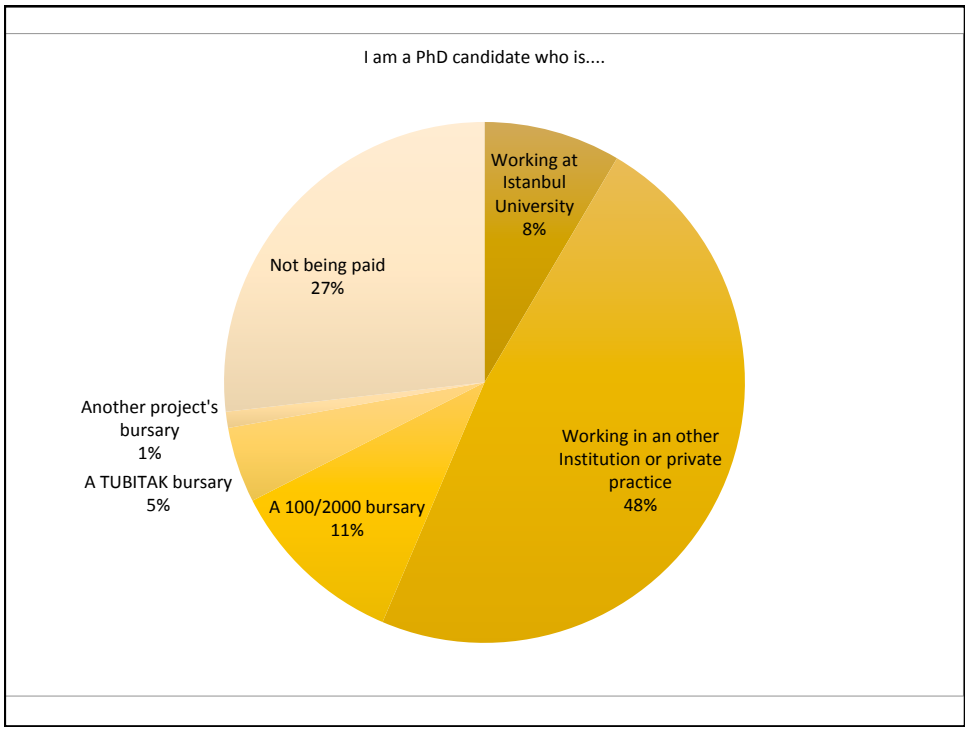

6-12 months 2%
2-4 weeks 6%
<2 weeks 14%
Never 78%
Have you ever been to abroad for education (fellow, internship, workshop,etc.)


How did your PhD thesis project financed?
My supervisor
27%
Istanbul
University
Research Fund
55%
Other
Foundations
3%
International
Funds
3%
TUBITAK
7%
Another
University
5%

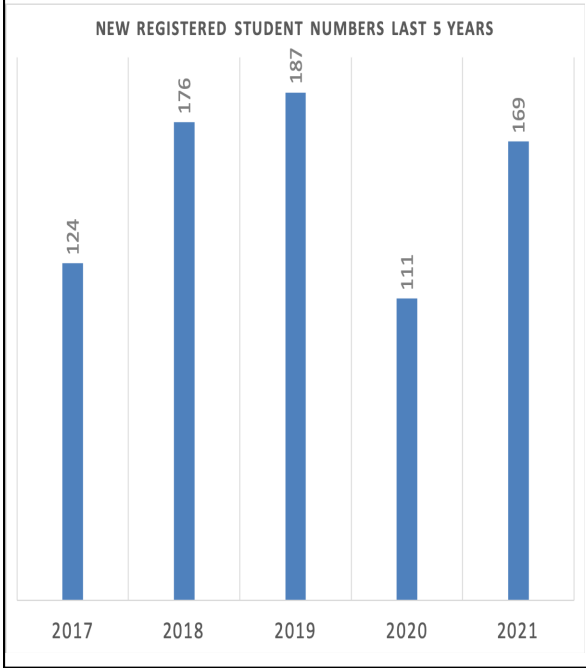

Do you think it is appropriate for the thesis defense exams to be open to the public?
No
33%
Yes
67%


Did you participate in any career development activities during your education?
No
44%
Yes
56%


During my graduate education I had
50
45
40
35
30
25
20
15
10
5
0
>1 publication
1 publication
0 publication
>1 international presentation
1 international presentation
0 international presentation
>2 national presentation
1 national presentation
I have not started my project
Series1



Last 5 years' new registration-drop out rates

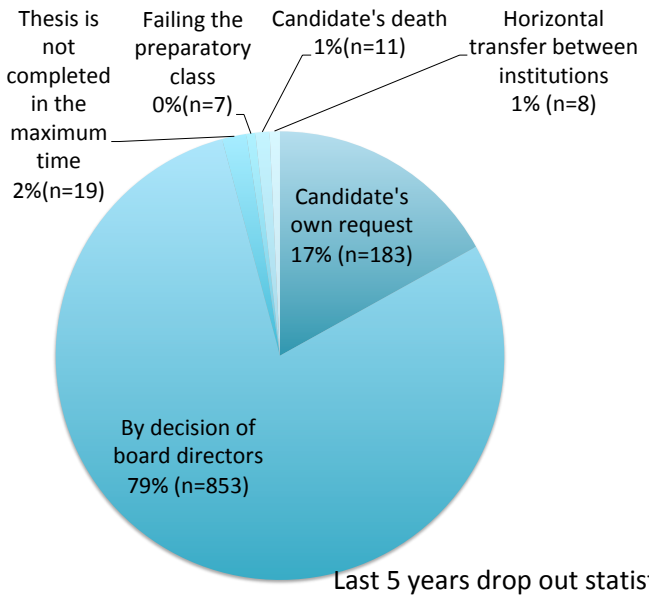


Drop out rates

Years	Numbers
2017	27
2018	454
2019	92
2020	227
2021	65

2018- Istanbul University divided into two separate universities and many PhD students horizontally transferred to Cerrahpaşa Univ.

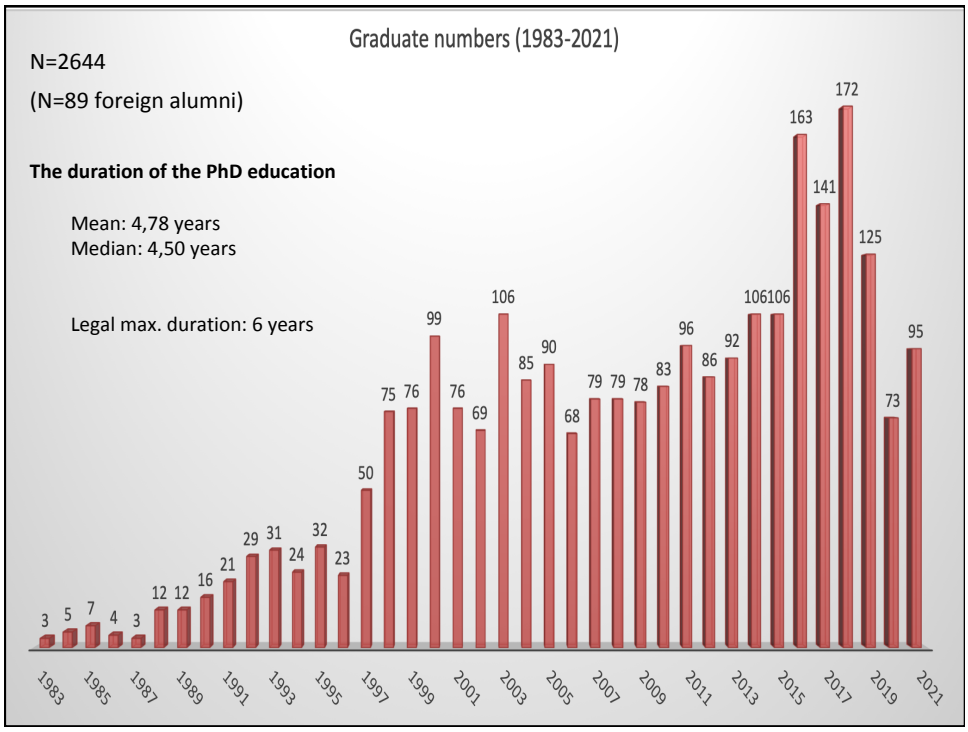
2020- Systematic folder scanning performed, due to
2016 Higher Education Council new regulation.



Last 5 years drop out statistics
n=1081

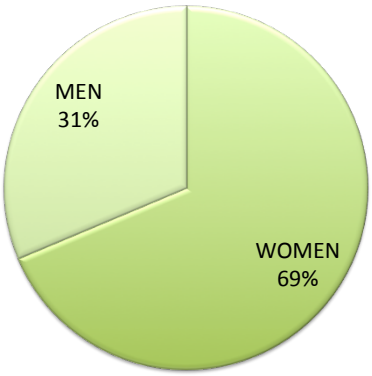
By decision of board directors 79% (n=853)

- Absent student
- Failed student (not completed the ACTS/credits)
- Failed the proficiency exam
- Failed thesis monitoring (lack of progression reports)
- Thesis proposal submission (not submitted)
- Unfinished thesis

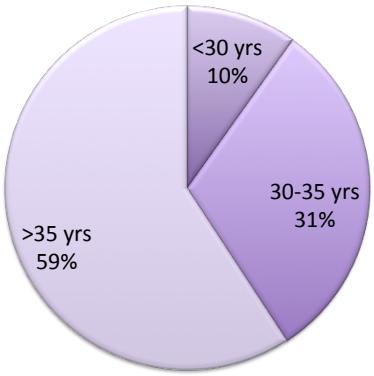


Graduates' survey

SEX

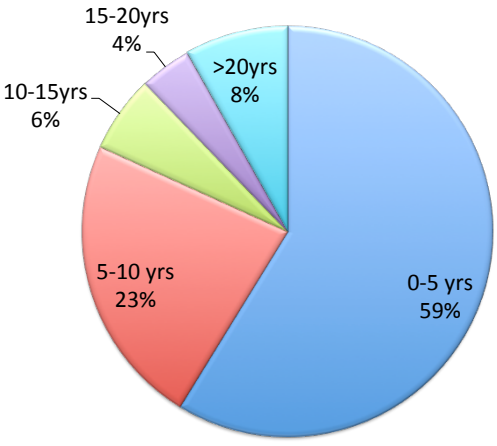


AGE

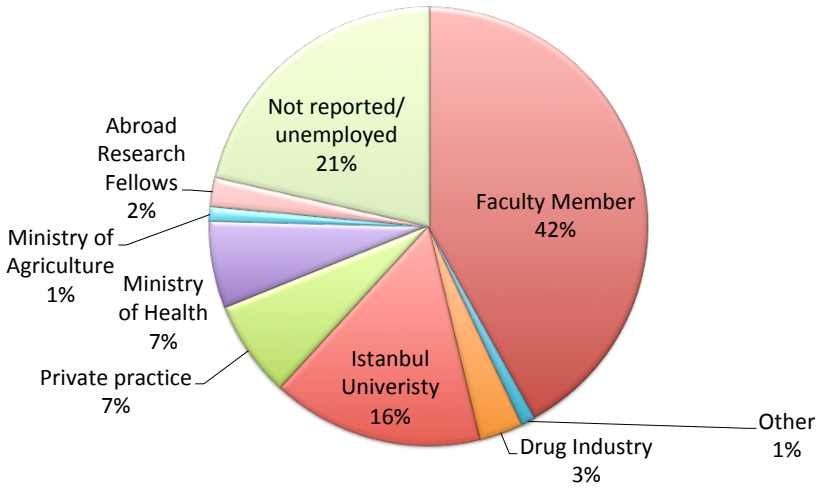


394 Graduates replied the survey

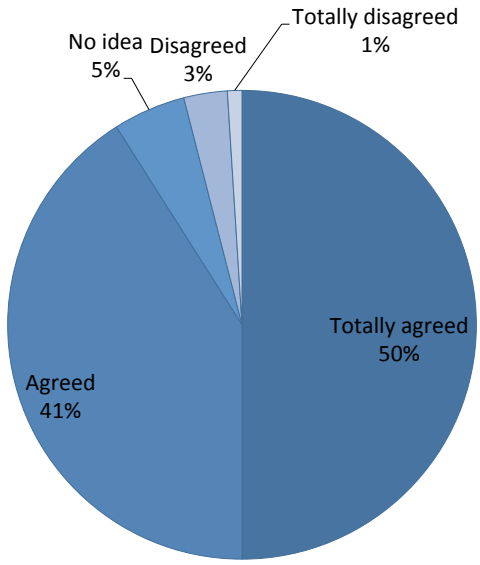
YEARS FROM GRADUATION



ACTUAL WORK



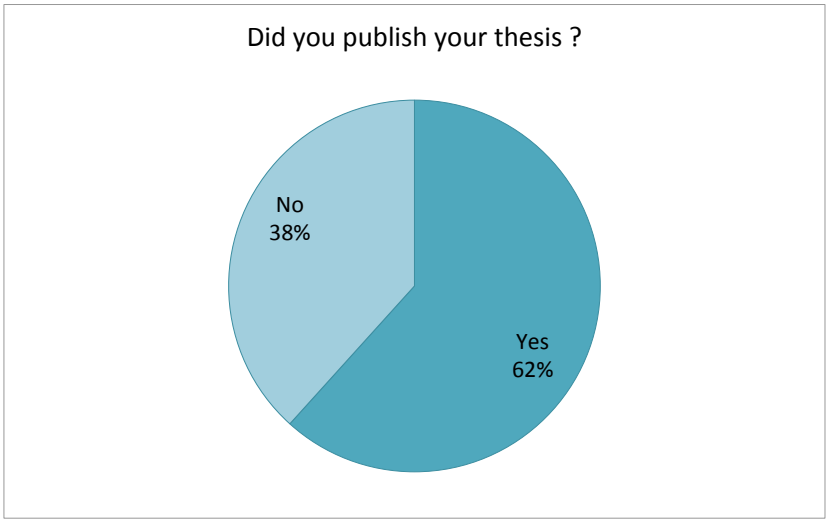
703 graduates replied



I have learned how to reach the knowledge and research skills via PhD education



How well your advisor's support met your expectations



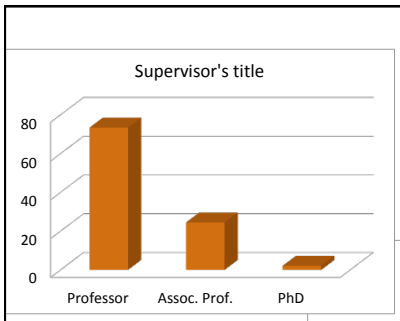
Starting point of Orpheus idea!

Supervisors

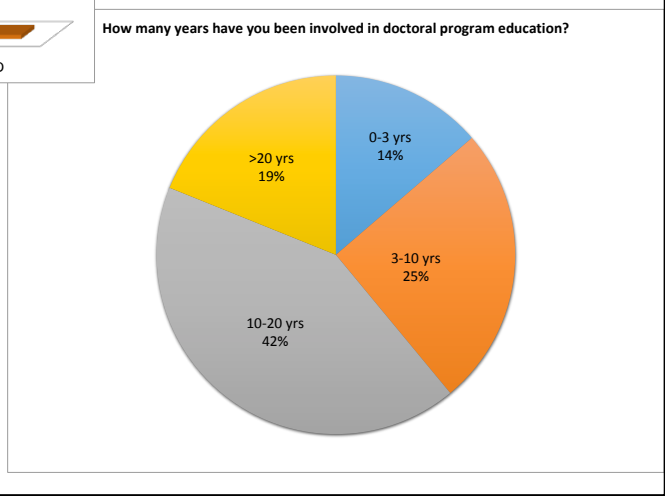
- Number of qualified persons available to the Graduate School for supervision (supervisor pool) :407
- Number of current principal supervisors: 298
- Number of current co-supervisors:105 (46 from another institution)

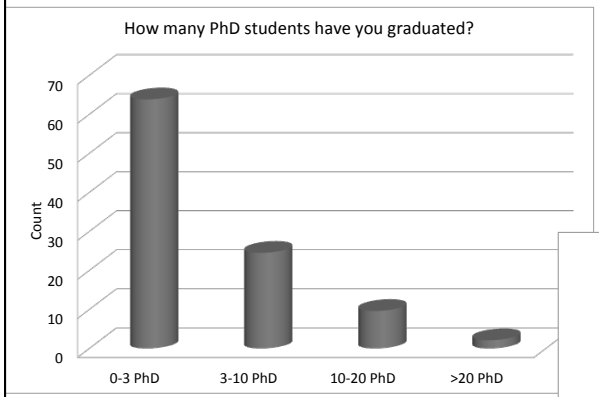
The actual average number of PhD candidates per supervisor is 3.36 (986 students / 298 supervisors) in our Institute (Range min:1 and max:11)

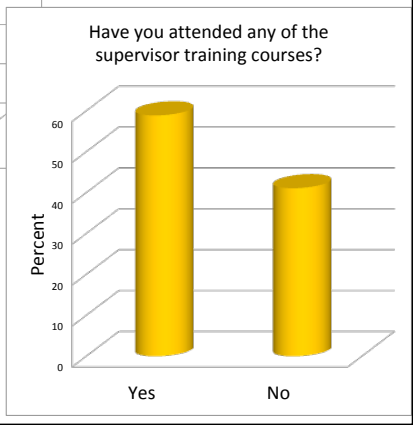
Supervisors' Survey

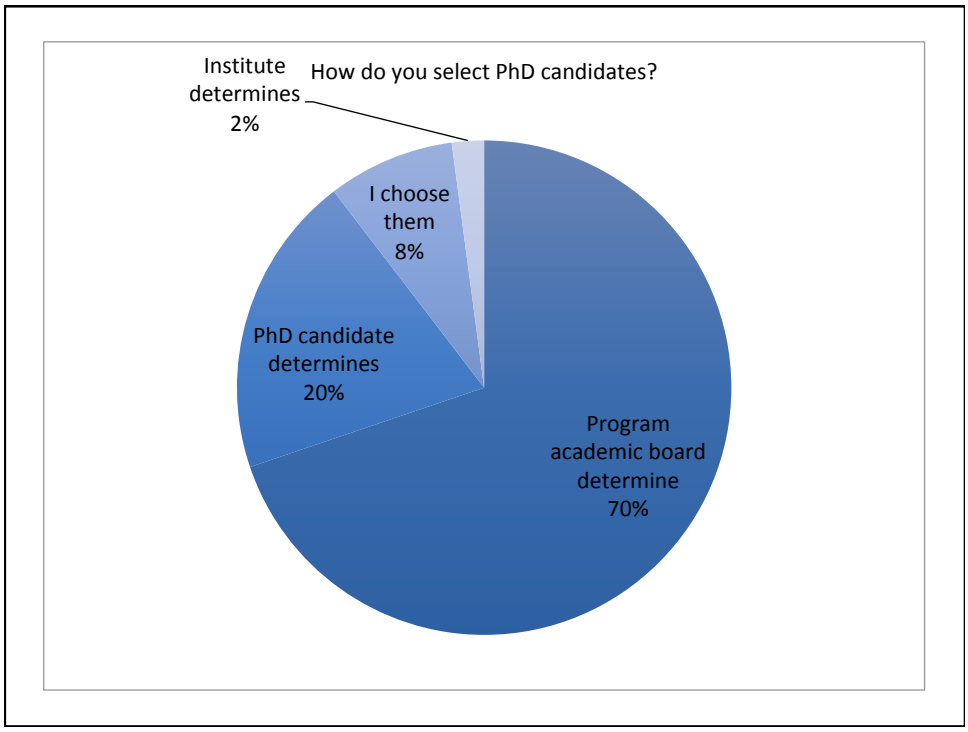

Supervisor's title
80
60
40
20
0
Professor
Assoc. Prof.
PhD

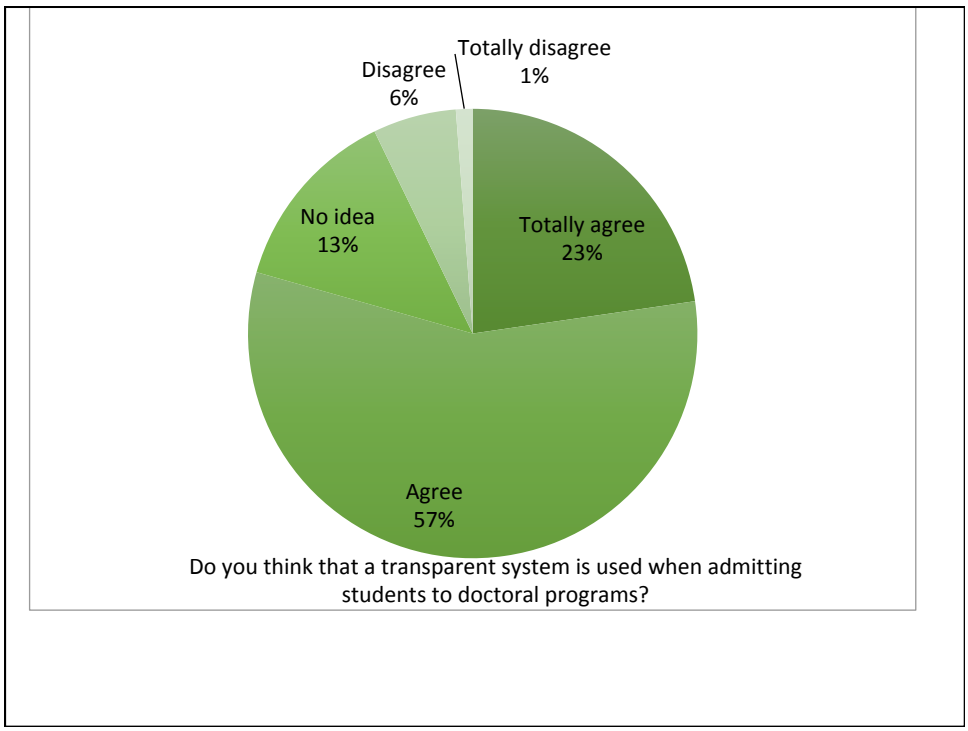
98 replied

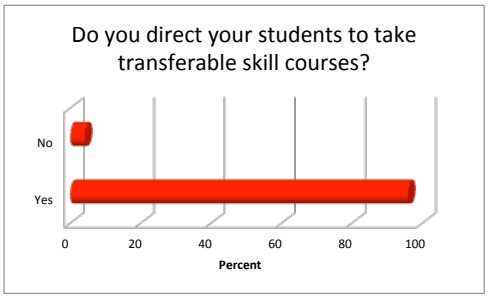

How many years have you been involved in doctoral program education?
0-3 yrs
14%
3-10 yrs
25%
10-20 yrs
42%
>20 yrs
19%

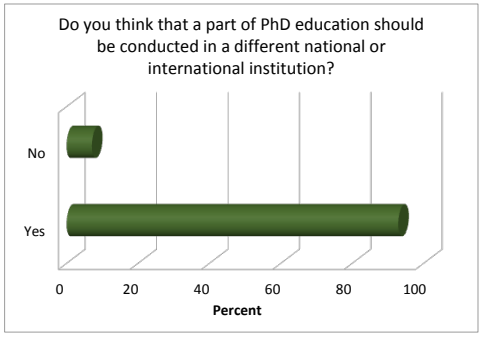

How many PhD students have you graduated?
Count
70
60
50
40
30
20
10
0
0-3 PhD
3-10 PhD
10-20 PhD
>20 PhD

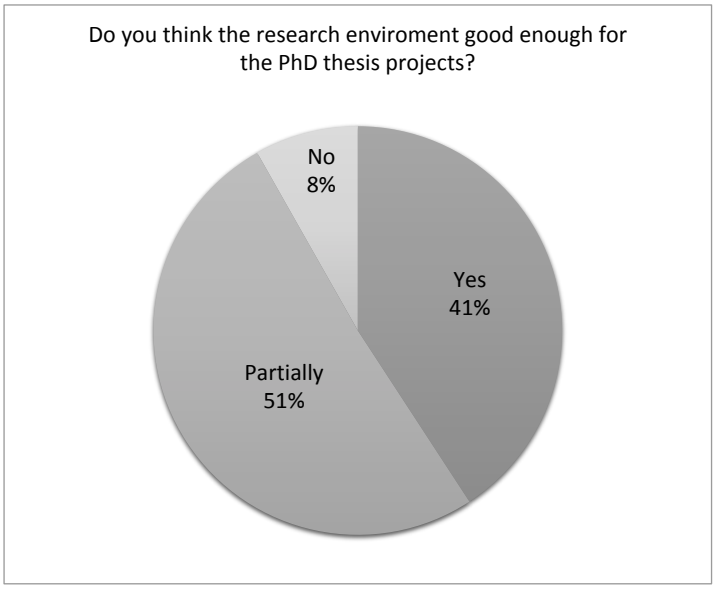

Have you attended any of the supervisor training courses?
Percent
60
50
40
30
20
10
0
Yes
No

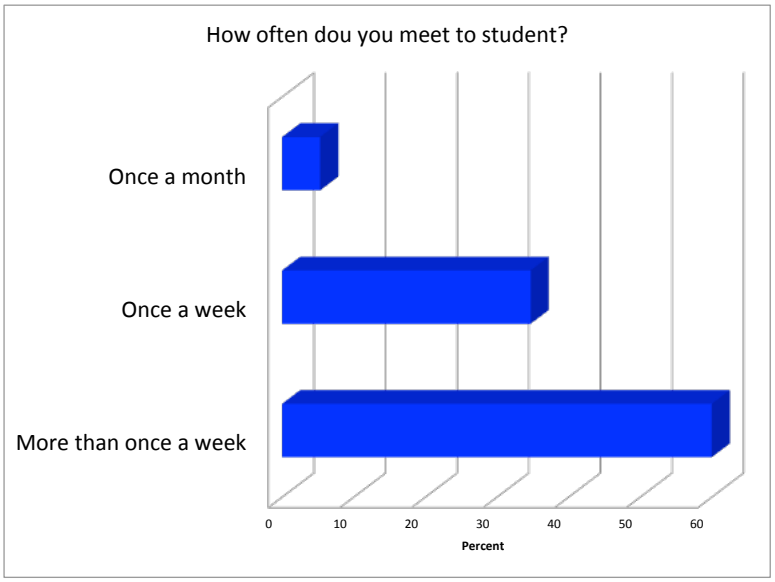

How do you select PhD candidates?
Institute determines 2%
I choose them 8%
PhD candidate determines 20%
Program academic board determine 70%

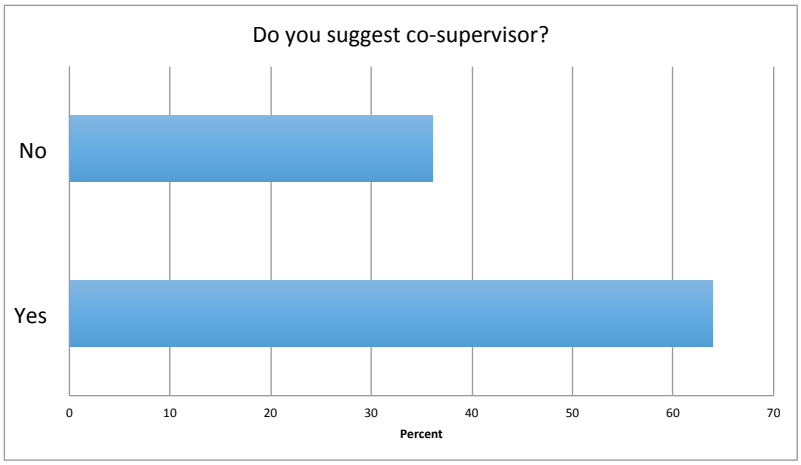

Totally disagree 1%
Disagree 6%
No idea 13%
Totally agree 23%
Agree 57%
Do you think that a transparent system is used when admitting students to doctoral programs?

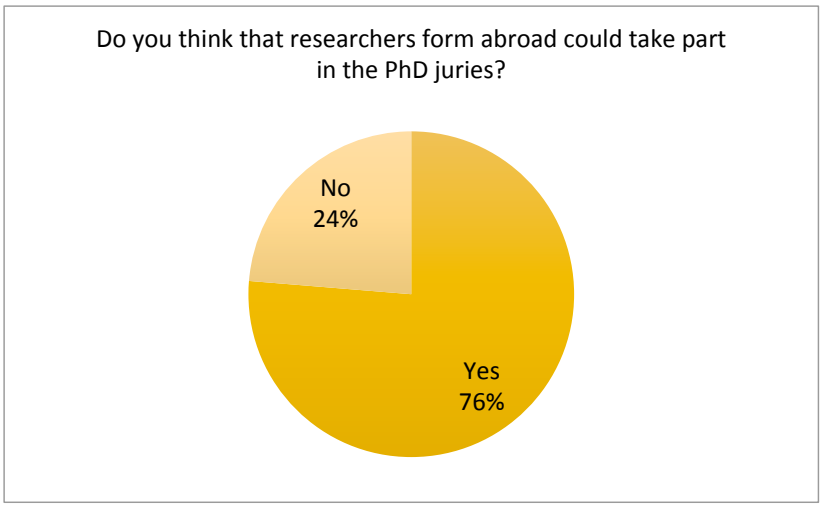

Do you direct your students to take transferable skill courses?
No
Yes
0
20
40
60
80
100
Percent

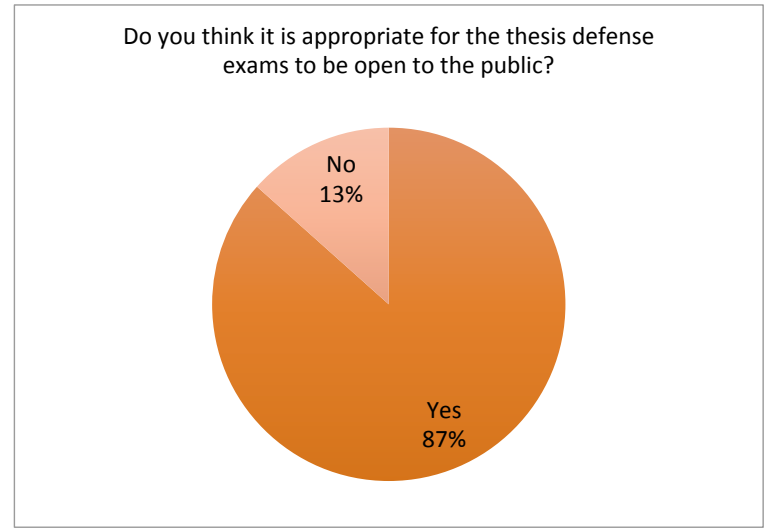

Do you think that a part of PhD education should be conducted in a different national or international institution?
No
Yes
0
20
40
60
80
100
Percent

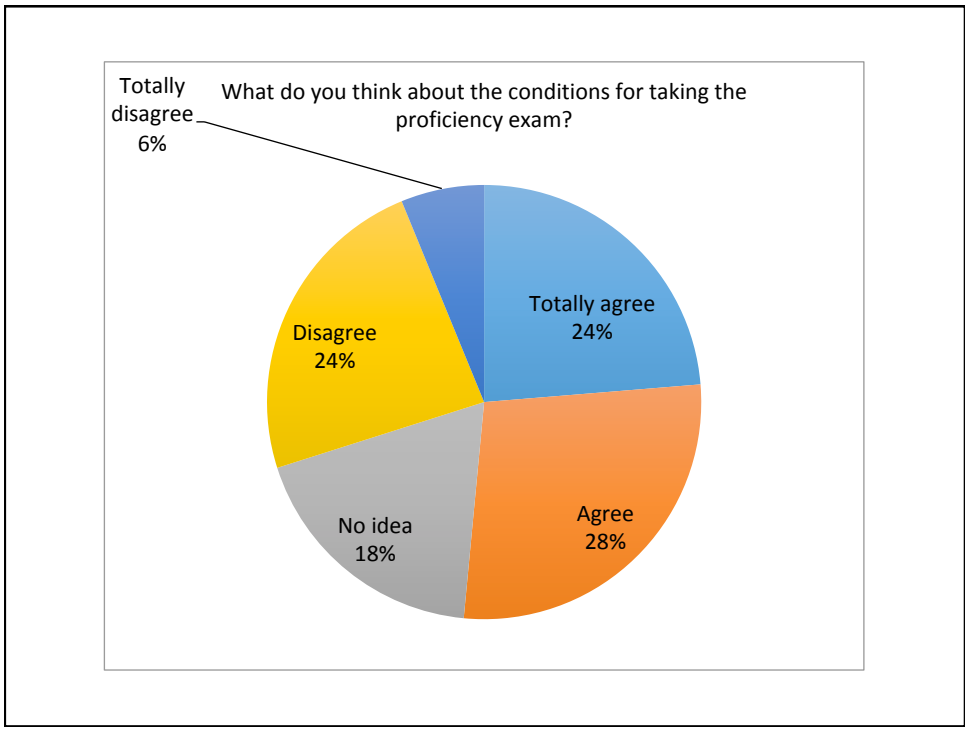

Do you think the research enviroment good enough for the PhD thesis projects?
No 8%
Yes 41%
Partially 51%

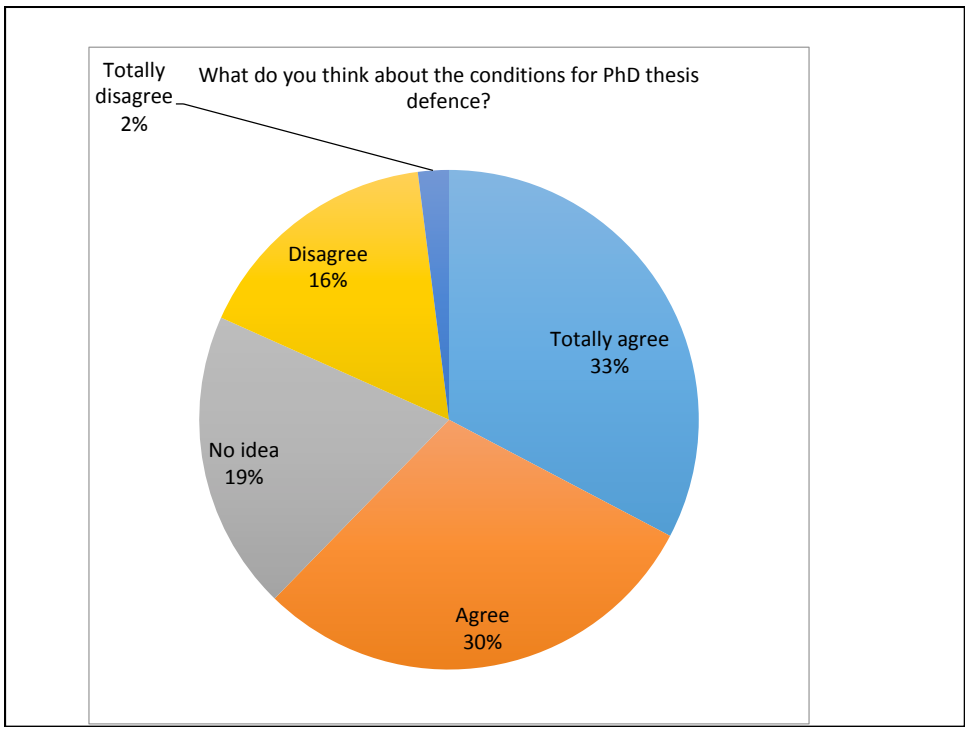

How often dou you meet to student?
Once a month
Once a week
More than once a week
0
10
20
30
40
50
60
Percent

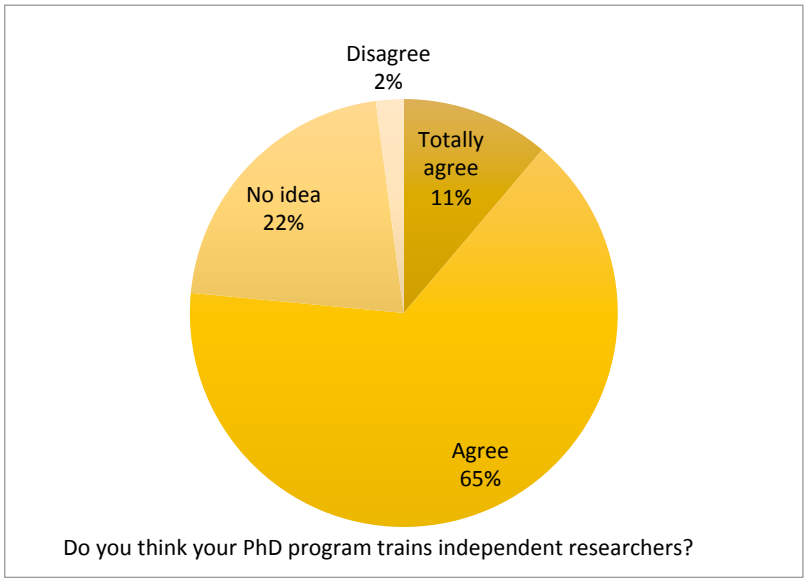

Do you suggest co-supervisor?
No
Yes
0
10
20
30
40
50
60
70
Percent


Do you think that researchers form abroad could take part in the PhD juries?
No 24%
Yes 76%


Do you think it is appropriate for the thesis defense exams to be open to the public?
No 13%
Yes 87%


What do you think about the conditions for taking the proficiency exam?
Totally disagree 6%
Disagree 24%
Totally agree 24%
No idea 18%
Agree 28%


What do you think about the conditions for PhD thesis defence?
Totally disagree 2%
Disagree 16%
Totally agree 33%
No idea 19%
Agree 30%


Disagree
2%
Totally
agree
11%
No idea
22%
Agree
65%
Do you think your PhD program trains independent researchers?