

University of Luxembourg Report 2016

Key Performance Indicators

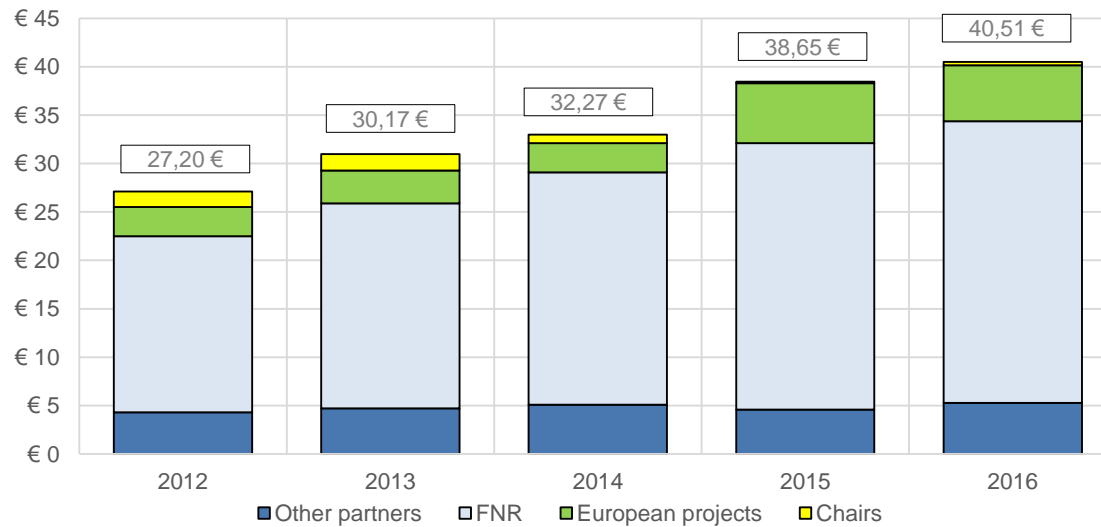
sollicited under the "Contrat d'Etablissement Pluriannuel entre
l'Etat et l'Université du Luxembourg 2014-2017"

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Research indicators

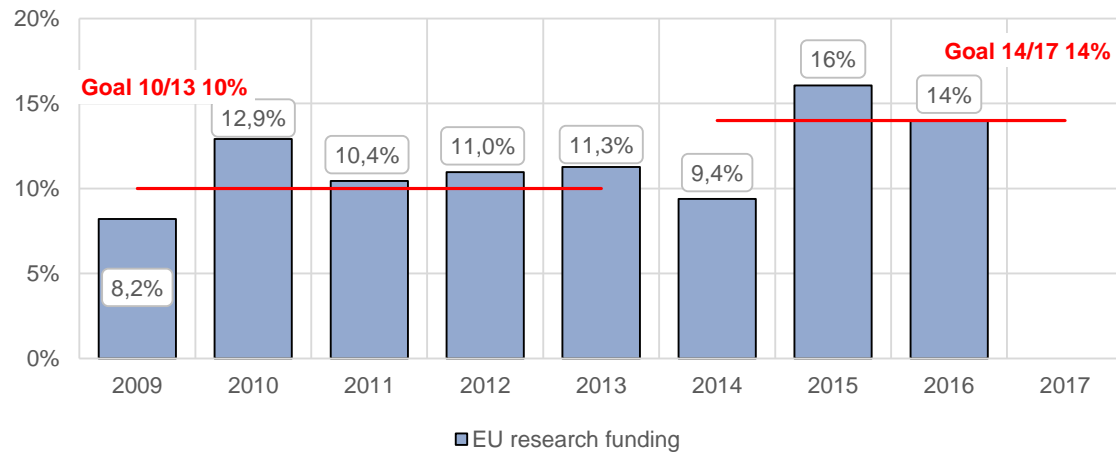
External research revenues (millions of Euro)



Based on realised amount as of 31.12.2016.

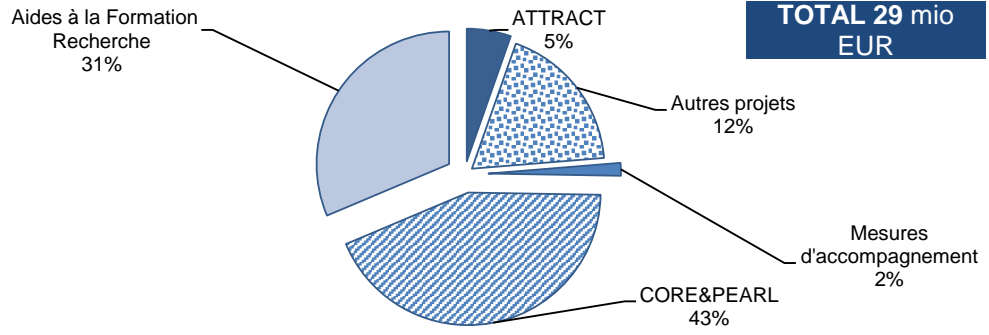
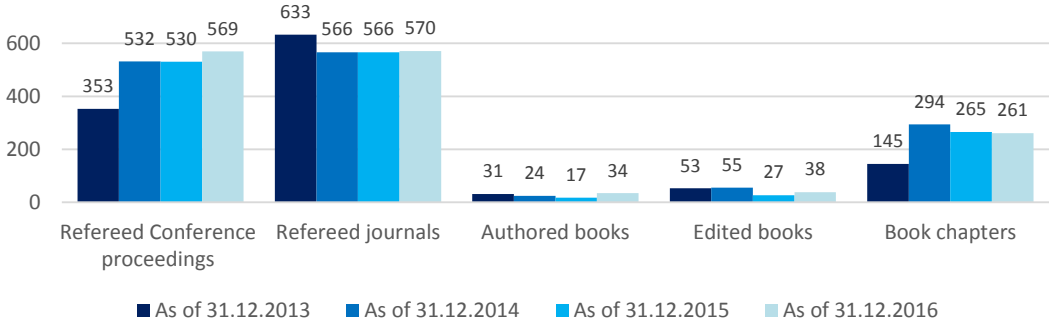
EU research funding

Art.17(4) Pour le financement externe de la mission de recherche, l'Université s'engage sur un taux de 14% provenant des programmes de recherche 7e programme cadre et Horizon 2020 de l'Union Européenne



Note: The goal relates to the figure stated in the *Contrat d'Etablissement révisé 2014-2017*.

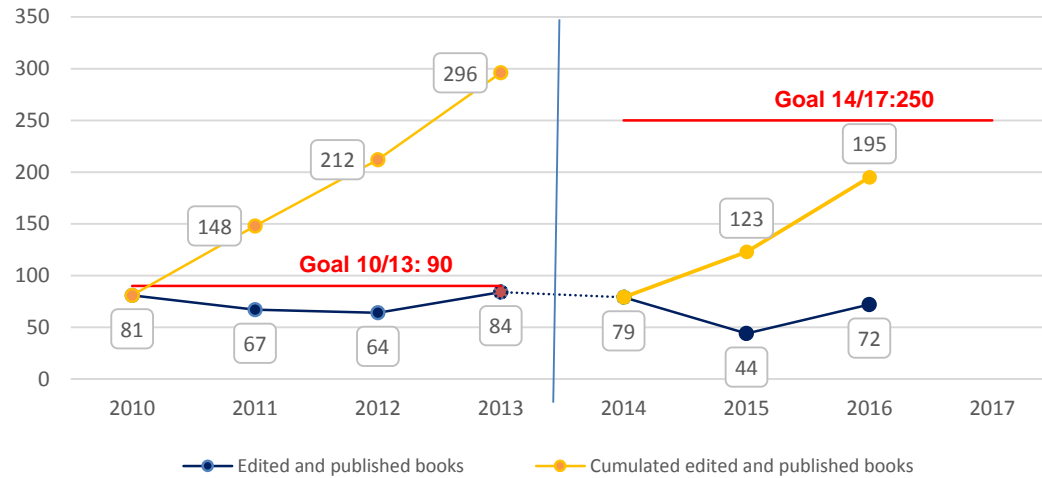
Research indicators

<p>FNR revenues, detail</p>	 <p>TOTAL 29 mio EUR</p> <ul style="list-style-type: none"> Aides à la Formation Recherche: 31% ATTRACT: 5% Autres projets: 12% Mesures d'accompagnement: 2% CORE&PEARL: 43% 	<p>Based on realised amount as of 31.12.2016.</p> <p>The FNR is the largest source of external research revenues representing a total of 29,08 millions € in 2016.</p>																													
<p>Chairs</p> <p><i>Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : [...]le nombre de chaires professorales : 5</i></p>	<ul style="list-style-type: none"> - ArcelorMittal - ATOZ - Deutsche Bank - SES - UNESCO - Ville d'Esch/Alzette - Appui au Développement Autonome a.s.b.l. (ADA) - European Central Bank, Clearstream International S.A., Allen & Overy LLP, Deloitte General Services Sàrl, Brown Brothers Harriman, Lombard Odier (Europe) S.A., State Street Bank Luxembourg SCA 																														
<p>Number of publications</p>	 <table border="1"> <thead> <tr> <th>Category</th> <th>As of 31.12.2013</th> <th>As of 31.12.2014</th> <th>As of 31.12.2015</th> <th>As of 31.12.2016</th> </tr> </thead> <tbody> <tr> <td>Refereed Conference proceedings</td> <td>353</td> <td>532</td> <td>530</td> <td>569</td> </tr> <tr> <td>Refereed journals</td> <td>633</td> <td>566</td> <td>566</td> <td>570</td> </tr> <tr> <td>Authored books</td> <td>31</td> <td>24</td> <td>17</td> <td>34</td> </tr> <tr> <td>Edited books</td> <td>53</td> <td>55</td> <td>27</td> <td>38</td> </tr> <tr> <td>Book chapters</td> <td>145</td> <td>294</td> <td>265</td> <td>261</td> </tr> </tbody> </table>		Category	As of 31.12.2013	As of 31.12.2014	As of 31.12.2015	As of 31.12.2016	Refereed Conference proceedings	353	532	530	569	Refereed journals	633	566	566	570	Authored books	31	24	17	34	Edited books	53	55	27	38	Book chapters	145	294	265
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Research indicators

Published books

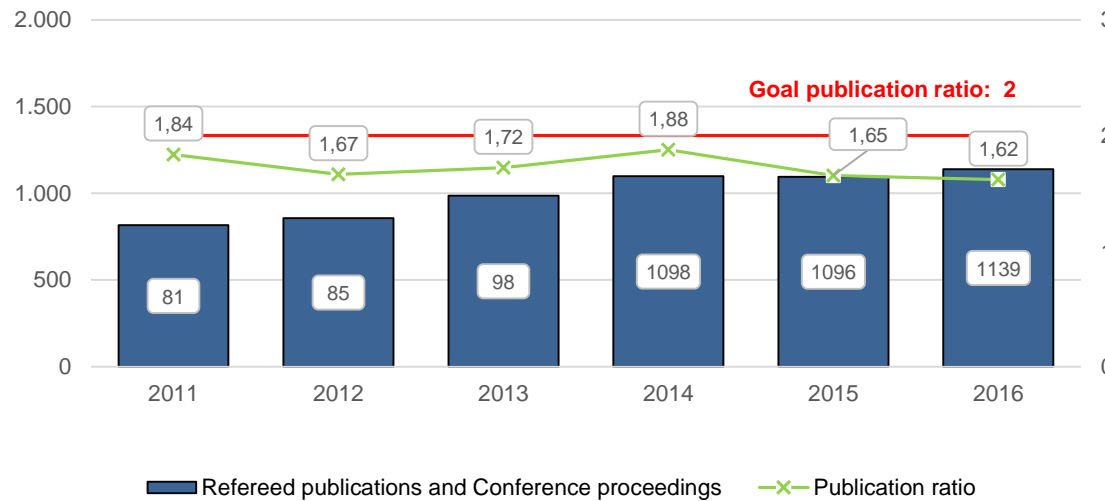
Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : [...] Le nombre de livres publiés et édités : 250



Note: The goal relates to the figure stated in the Contrat d'Etablissement révisé 2014-2017.

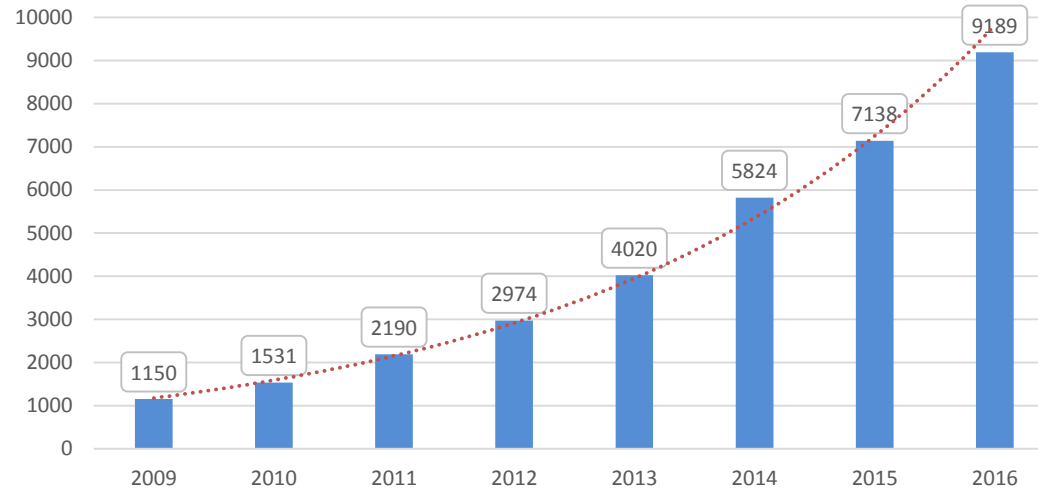
Publications per researcher

Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : [...] L'intensité de publication dans des revues ou « proceedings » à comité de lecture : 2 publications par année et par enseignant-chercheur en équivalent « recherche ETP ».



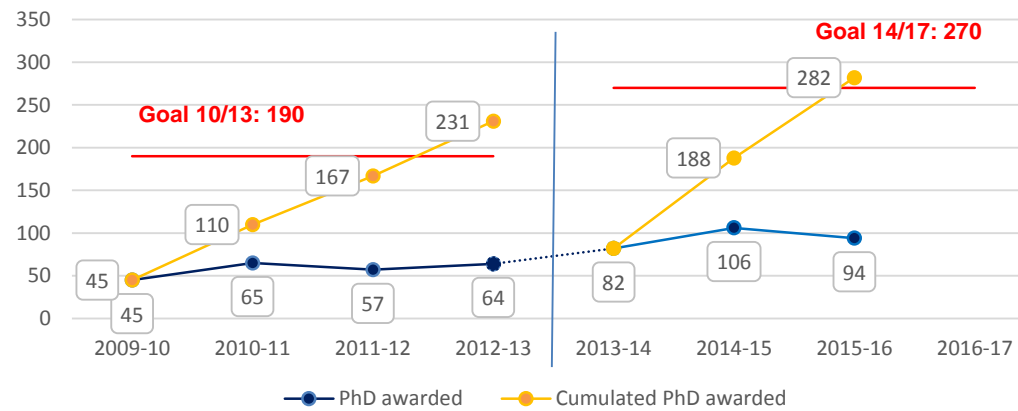
Research indicators

Number of citations - Web of Science



Ph.D. degrees awarded

Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : [...] le nombre de theses soutenues : 270



Research indicators

ERC grant

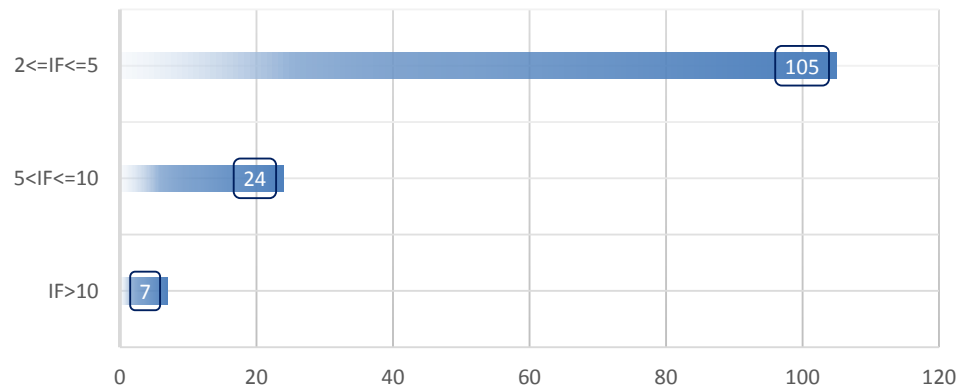
Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : [...] 4 bourses ERC

In 2016, the University earned 2 ERC grants.
 In total, UL held 5 ERC grants in 2016.

Impact Factor

Art. 4 Le nombre de publications dans des revues avec un facteur d'impact :

- 10 publications à facteur d'impact supérieur à 10
- 10 publications à facteur d'impact supérieur à 5
- 10 publications à facteur d'impact supérieur à 2



Note: This metric is introduced in the current KPI report and is based on indicators stated in the Contrat d'Établissement révisé 2014-2017.

The impact factor (IF) aims to assess the quality of scientific publications. This indicator is currently under revision and might be subject to change.

Intellectual property

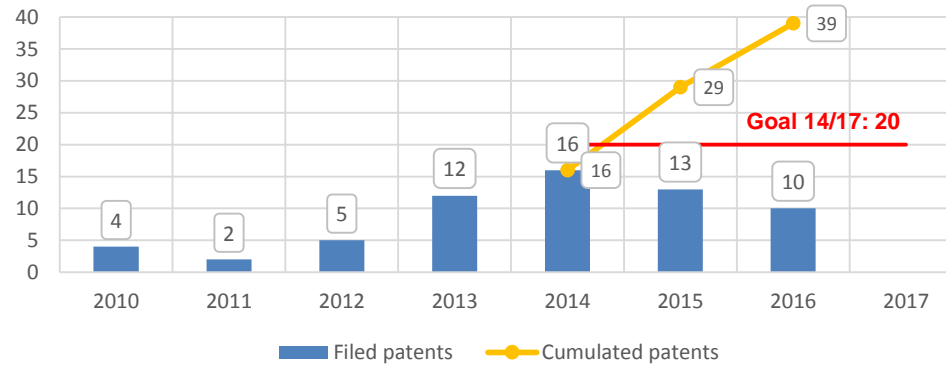
Spin-offs

Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : le nombre de spin-off : 3

In 2016, the University held two active spin-offs.

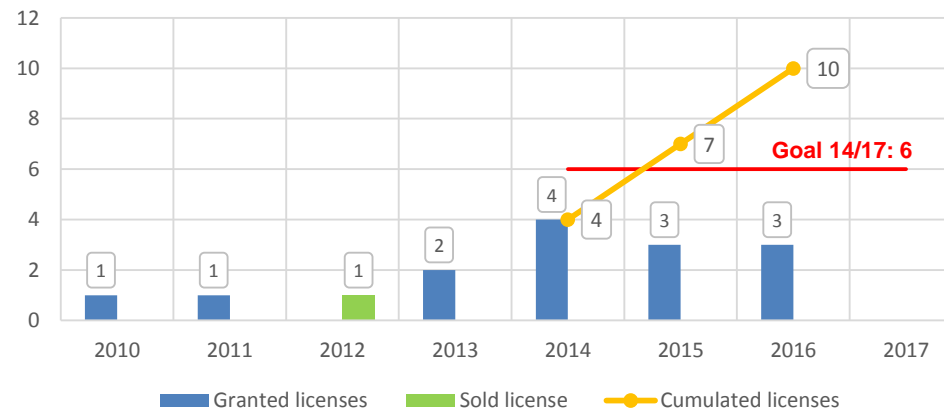
Patents

Art. 4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : le nombre de brevets : 20



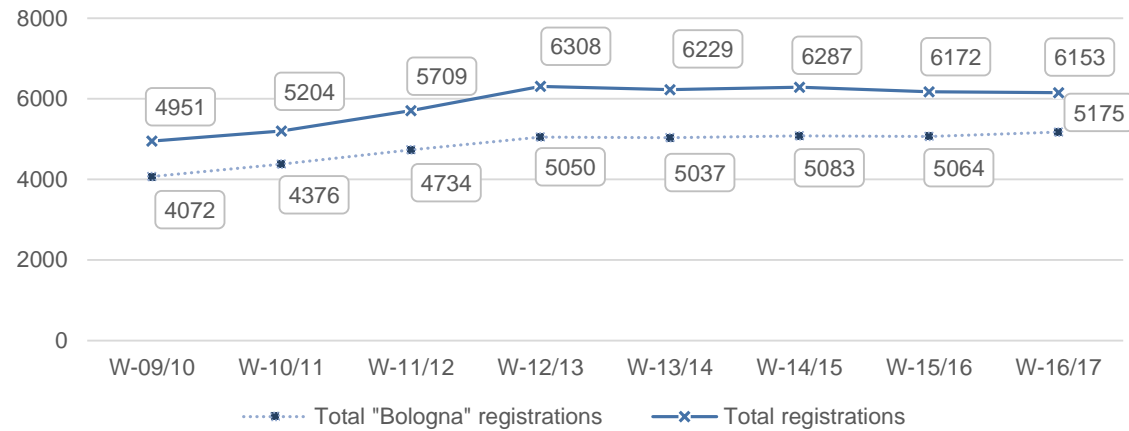
Licenses

Art. 4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : le nombre de licences : 6



Academic Affairs

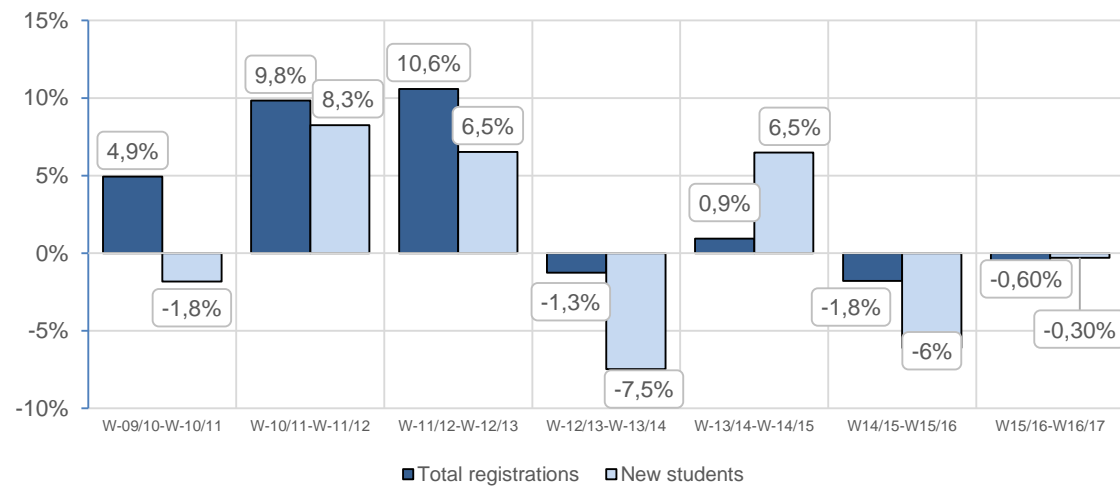
Total University registrations (Winter Semester)



The yearly growth rates of Bologna registrations (*i.e.* total number of all Bachelor, Master and Ph.D. students) are broken down as follows

- Bachelor -1%
- Master +7,3%
- PhD +4,9%

Total University registrations: growth rate (Winter Semester)



Academic Affairs

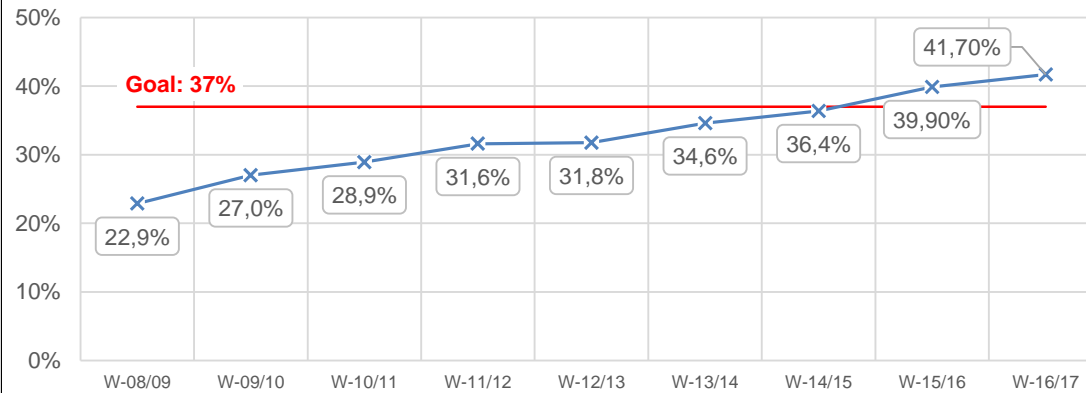
Number of Bachelor programmes

Art. 6(2) [...] Le nombre de programmes "bachelor" n'augmente pas par rapport au nombre de programmes "bachelor" offerts à l'échéance du contrat d'établissement 10/13.

11 Bachelor programmes were offered in the Academic Year 2015/2016, fulfilling the requirement settled in the contract

Bologna Index

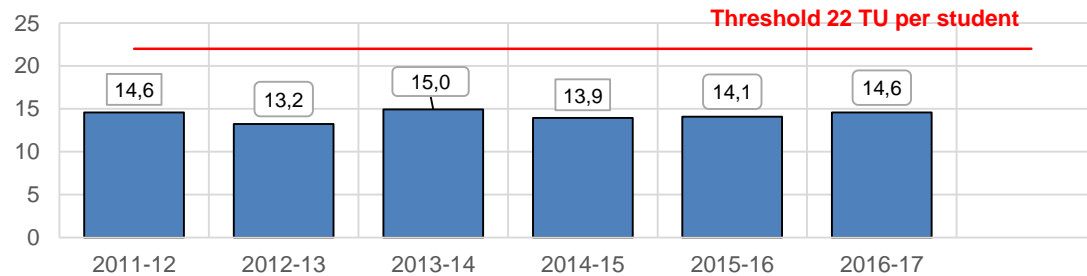
Art. 7 Bologna Index : le taux visé d'étudiants inscrits dans les formations de master et de doctorat est de 37% des étudiants inscrits dans les formations « Bologne ».



The Bologna Index is defined as the ratio between the Master and Doctoral students over the total Bologna students.

Teaching units

Art.7(3) Le taux « heures d'enseignement organisées par an/nombre d'étudiants » est fixé à un maximum de 22 heures organisées par étudiant



Academic Affairs

<p>Registrations threshold</p> <p>Art.7(4) <i>Le seuil minimum d'inscriptions semestrielles pour un programme de "bachelor" ou de "master" est de 15 inscriptions en moyenne sur trois ans, sauf pour les trois premières promotions d'un nouveau programme</i></p>	<p>Art.7(4) is fulfilled by all the Bachelor programmes.</p> <p>The Master programmes not meeting the threshold are the following: Master en Sciences de l'Ingénieur – Efficacité Énergétique et Économique (P) Master in Condensed Matter Physics (A) Master of Science in Engineering - Sustainable Product Creation (A) Master in Geography and Spatial Planning (A) Master in Modern and Contemporary European Philosophy (A) Master in Psychotherapy (P)</p>	<p>Methodological Notes:</p> <p>I) only first year registration are considered.</p> <p>II) ECTS are computed on compulsory classes offered during the entire academic year.</p>
<p>European criteria</p> <p>Art.10 (1) <i>[..] Volume visé de 7000 crédits au plus.[..] Avec chaque diplôme, l'Université délivre le supplément au diplôme</i></p>	<p>In the Academic Year 2016/17, a total number of 9916 ECTS have been proposed as compulsory classes.</p>	
<p>Learning outcomes</p> <p>Art.10 (2) <i>Les programmes de formation sont définis en termes d'objectifs d'apprentissage[.]</i></p>	<p>The study programmes have defined learning outcomes in line with the Qualifications Framework for the Grand Duchy of Luxembourg (levels 6-8). The validation of learning outcomes forms the basis for granting ECTS to students. Learning outcomes are described for the curriculum and for courses. They are documented and accessible through the website or the e-learning platform of the University.</p>	
<p>Joint degrees</p> <p>Art.10 (3) <i>L'offre de formation vise également la mise en place de diplômes conjoints</i></p>	<p>Bachelor en Sciences et Ingénierie (Académique) Bachelor en Sciences de la Vie (Académique) Bachelor en Cultures Européennes (Académique) Master in Condensed Matter Physics (Académique) Master en Communication et Coopération Transfrontalières (Professionnel) Master en Développement Durable (Professionnel) Master Professionnel en Sciences de l'Ingénieur Trinationaler Master in Literatur-, Kultur-, und Sprachgeschichte des deutschsprachigen Raums (Académique) Master en Etudes Franco-Allemandes Master in Border Studies Master in Theaterwissenschaft und Interkulturalität</p>	

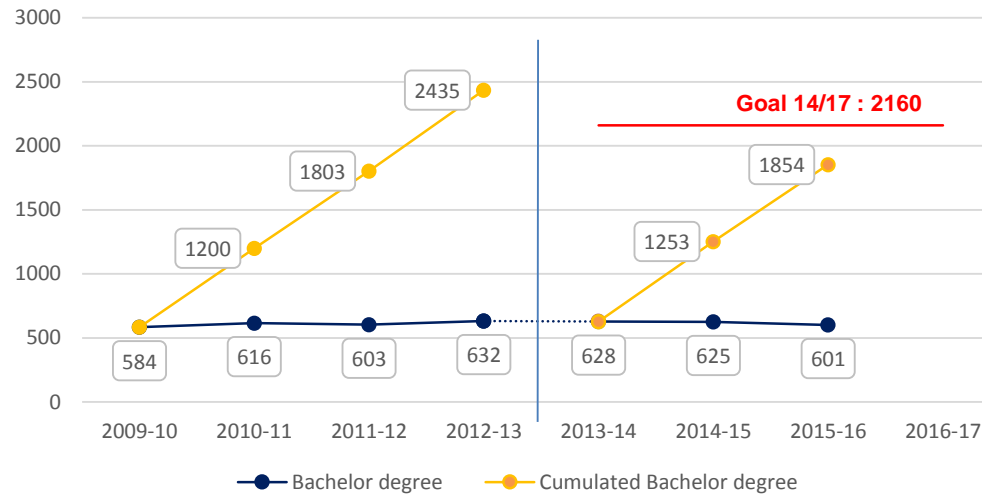
Academic Affairs	
<p>Tutoring</p> <p>Art. 14 <i>l'université renforce le tutorat en première année de bachelor et au 1er semestre de master</i></p>	<p>Tutoring is offered to all Bachelor students in their first year of study in all three faculties. Some study programmes and faculties provide tutoring also to students in their second and third year of study. Joint tutoring at faculty level that trains students in generic academic skills has been offered for the first time in the academic year 2015/16. A student-led initiative is currently preparing proposals for a further development of academic support to students at the University.</p>
<p>Pedagogical chart</p> <p>Art. 5 (1) <i>[...] charte pédagogique [...] constituant l'acte d'engagement de l'Université</i></p>	<p>A high-level academic working group at the Vice-Rectorate for Academic Affairs is in the process of defining an overarching educational strategy for the University. This strategy will be implemented as the Educational Charter of the University by the beginning of the academic year 2017/18.</p>
<p>E-learning</p> <p>Art. 5 (2) <i>[...] l'Université incite à créer [...] un espace de cours permettant aux étudiants d'avoir accès à des ressources en ligne [...]</i></p>	<p>The University supports a unified e-learning and online course management platform (Moodle) that is used by course instructors throughout all faculties. As part of its digitization strategy, the University is currently putting in place an infrastructure for collaborative, digitally enhanced on-campus learning. Digital educational technology supporting peer and blended learning, flipped classroom practices, and more continuous student-instructor interaction is being tested, and the University is in the process of systematically integrating this technology in its study programmes. Several study programmes also offer open online courses (MOOCs) for distance learning.</p>
<p>Multilingualism</p> <p>Art. 13(1) and (2) <i>toutes les formations sont au moins bilingues [...]. Toutefois, dérogation peut être faite pour 50% des formations au niveau master dont la langue d'instruction est l'anglais</i></p>	<p>100% of Bachelor programmes are taught in two or more languages 52% of the Master programmes are taught in two or more languages In 41% of the Master programmes courses are taught in English exclusively Two Master programmes are taught in French exclusively One Master programme is taught in German exclusively</p>

All figures and notes refer to the academic year 2015/2016

Academic Affairs

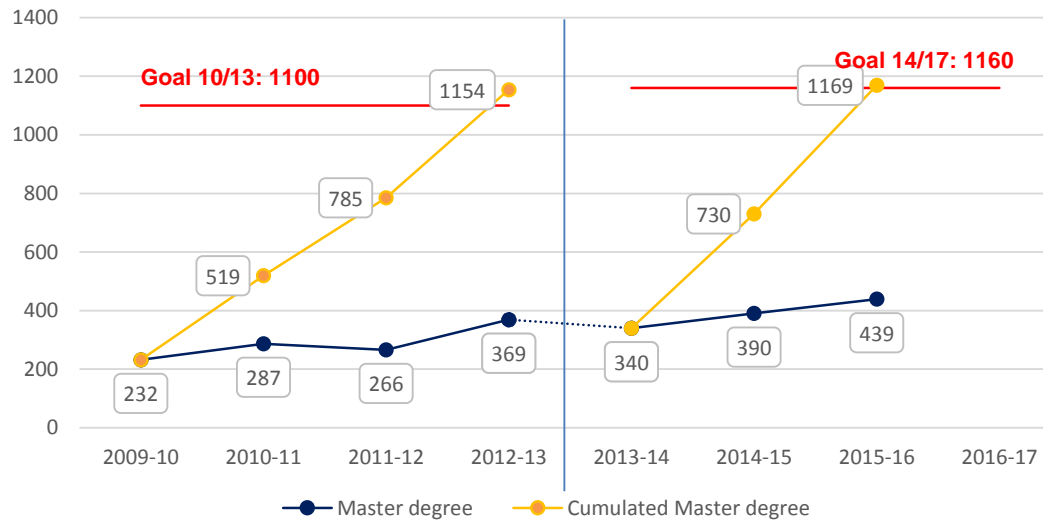
Awarded Bachelor degrees

Art.7 (2)a en 2017, le nombre cumulé de diplômes de "bachelor" délivré est de 2160



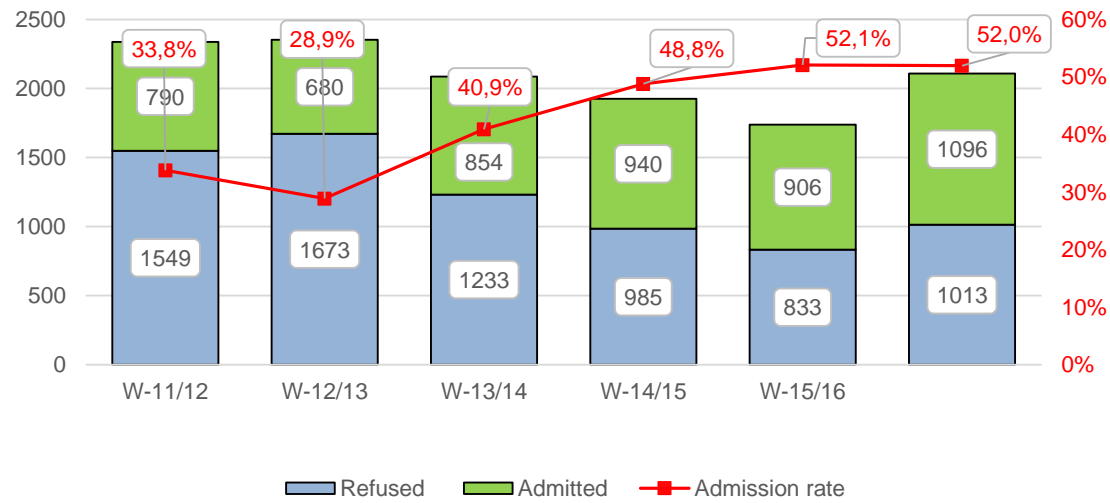
Awarded Master degrees

Art.7 (2)b En 2017, le nombre cumulé de diplômes délivré "master" est de 1160



Academic Affairs

Master programmes admission rate



Employability

Employability

Art.9 les formations répondent au critère de l'employabilité. A cet effet, l'université met en place un système lui permettant d'avoir une connaissance précise des emplois de ses diplômés

* "Graduation and .. Now?" is an annual study collecting information about the activities of leavers six months after graduation

* Census date: 16th February 2016

* The fieldwork period lasts from end of November 2015 to July 2016

* 1st phase: On-line survey

* 2nd phase: Telephone follow-up

Survey dimensions:

* Employment status at census date (6 months after graduation)

* Type of occupation

* Employment basis

* Location of work place

* Remuneration

* Importance of qualification for obtaining the job

* Reasons to accept the job

* Channels used to find out about the job

* Current training, if any

The survey "**Graduation ..and now?**" is based on the survey DLHE implemented by the Higher Education Statistical Agency (HESA), UK. The survey refers to the graduates of the academic year 2014/2015.

The targeted sample contains students who graduated in Bachelor and Master programmes in 2016.

The employability survey for the graduates of the academic year 2015/2016 is ongoing.

Employability study result

Response rate

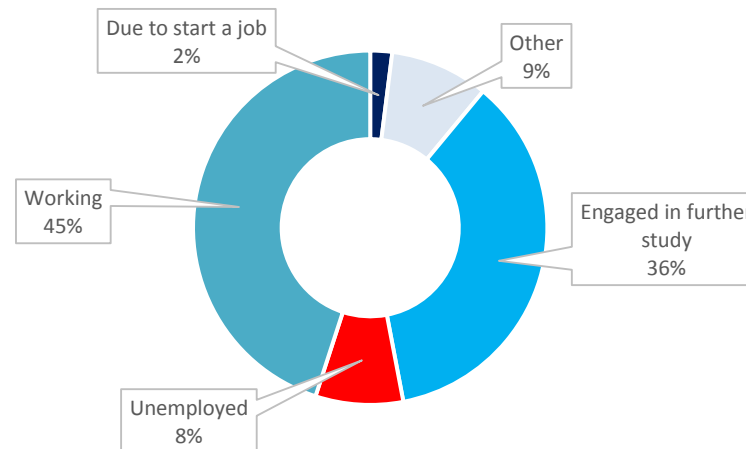
59,9%

Bachelor and Master graduates academic year 2014/2015

807

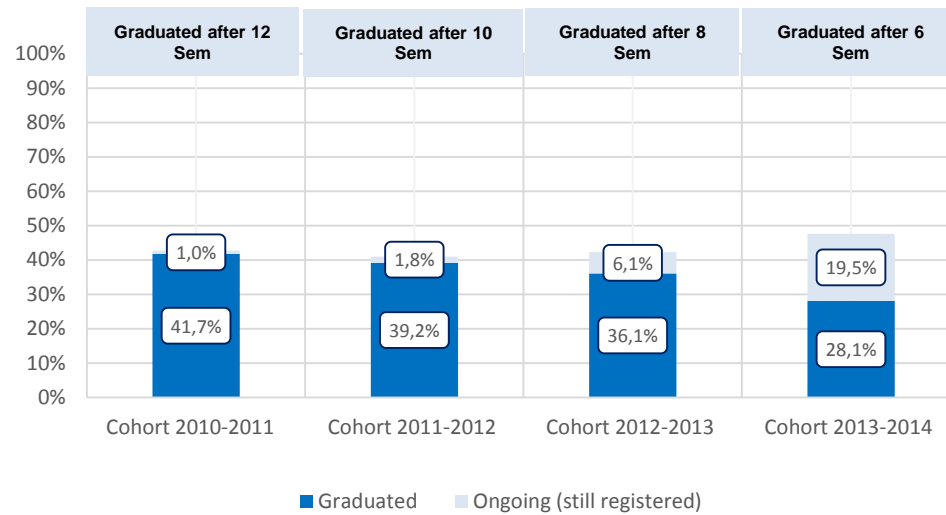
Valid responses

484



Graduation Rate

180 ECTS Bachelor graduation rate (full time students)



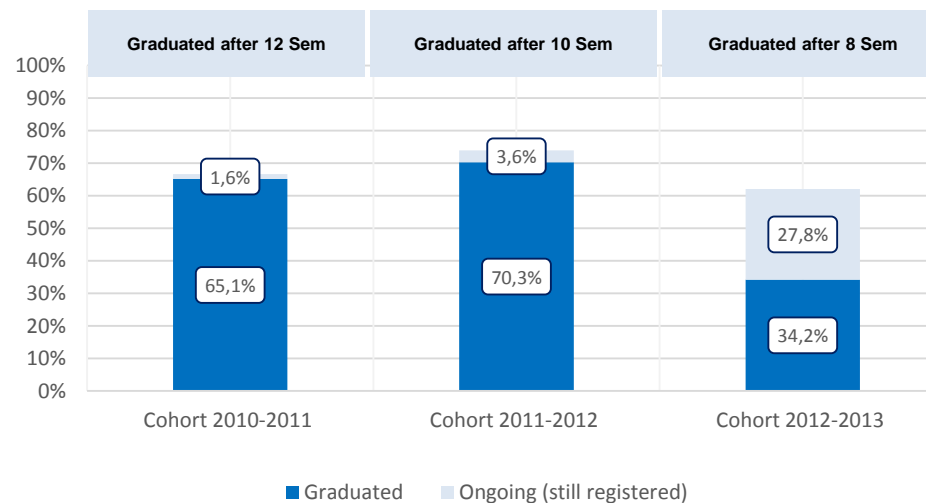
28% of the full-time bachelor students of the cohort 2013-2014 graduated after 6 semesters from the same study programme. Almost 20% of this cohort is still currently registered in the study programme for which the student first registered.

Methodological note:

On time graduation rate is measured.

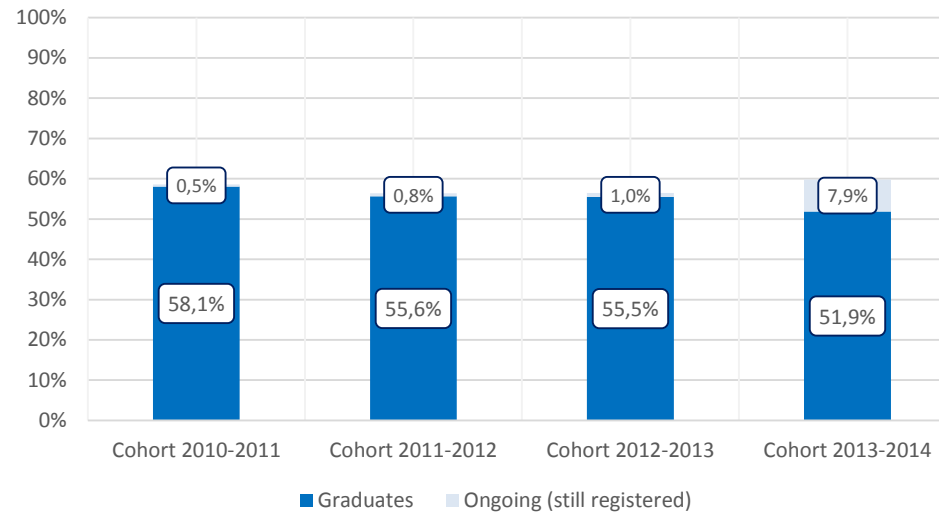
The calculation is based on the latest graduates available for the academic year 2015/2016.

240 ECTS Bachelor Graduation rate



Graduation Rate

60+120 ECTS Master Graduation Rate

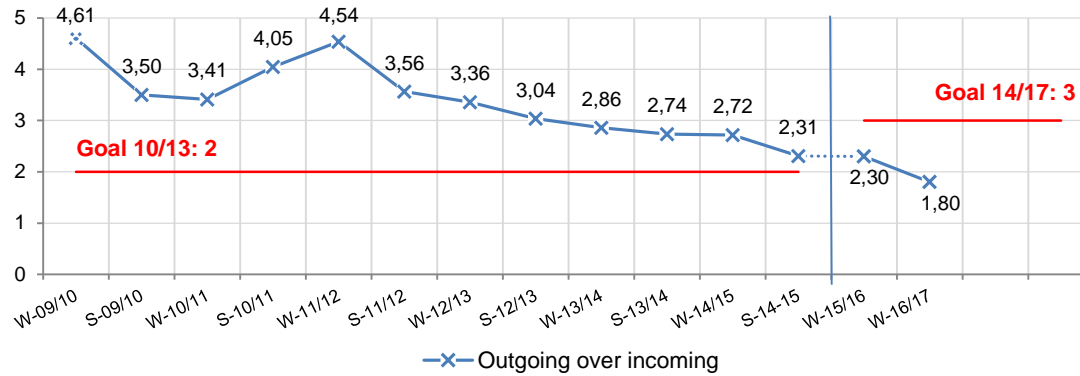


See page 14

Mobility

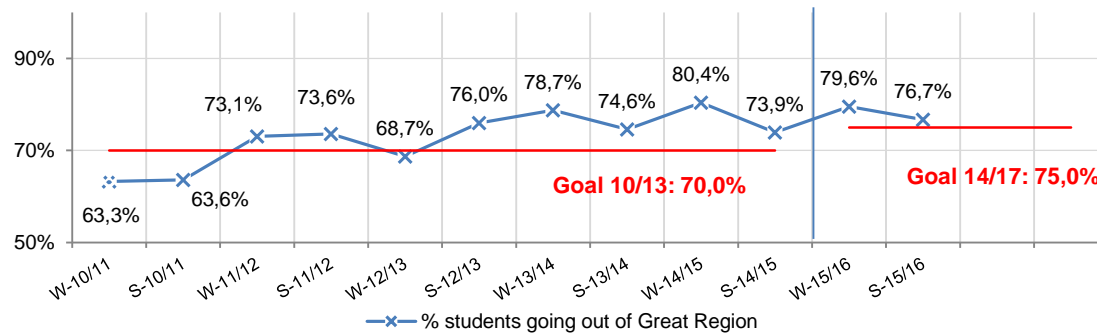
Mobility ratio

Art.12 (3) L'Université favorise l'accueil d'étudiants étrangers dans le cadre de partenariats. Le taux visé d'étudiants sortants/étudiants rentrants est de 3/1



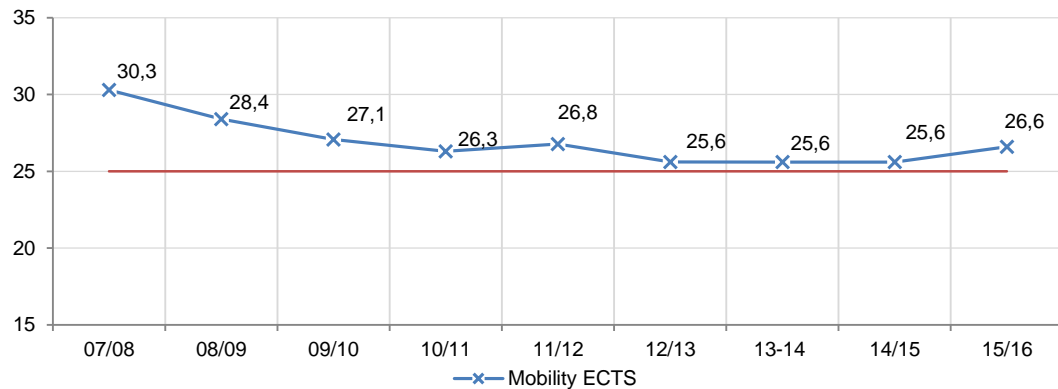
Non-commuting mobility

Art. 12. (2) Un taux de 75% de mobilité des étudiants au-delà de la Grande-Région est visé



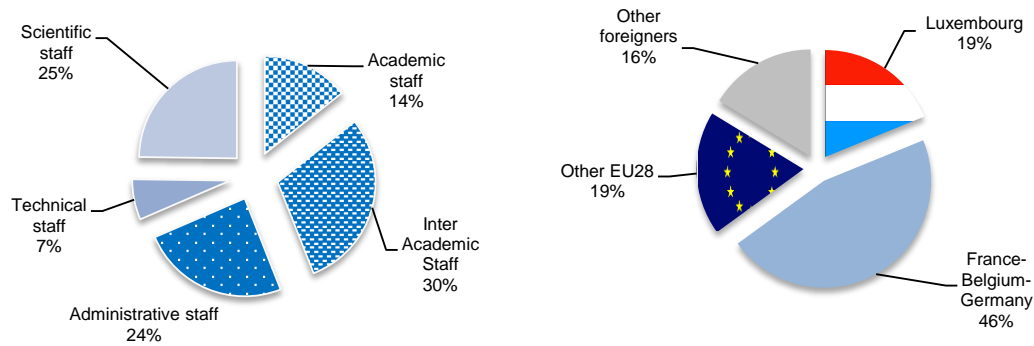
Mobility ECTS

Art. 12. (1) Pour les formations de bachelor, la mobilité des étudiants s'étend sur 30 ECTS au minimum avec en moyenne une reconnaissance de 25 ECTS par étudiant, le grade de bachelor étant délivré par l'Université



Internationality

Staff composition and nationalities

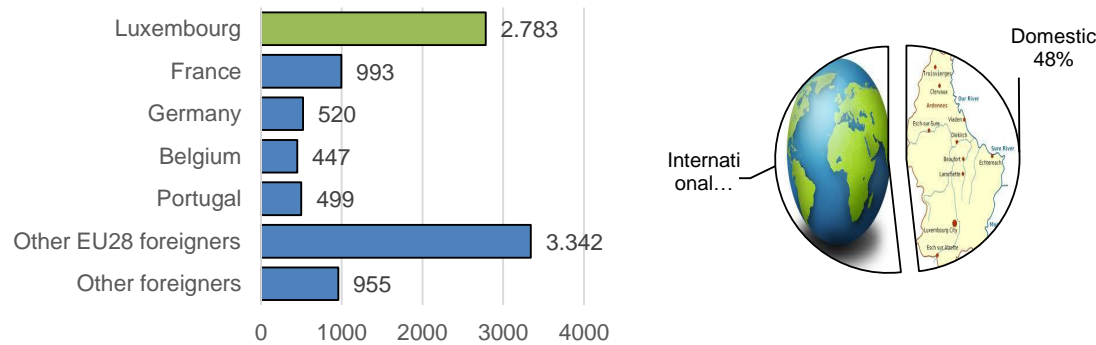


International agreements



International versus Domestic

UL students W-16/17

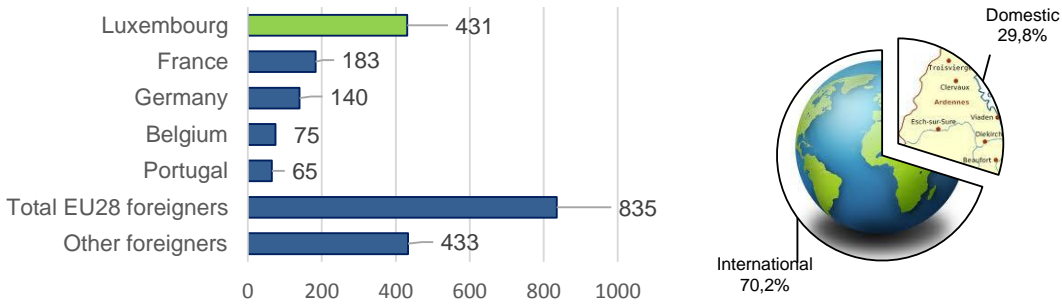
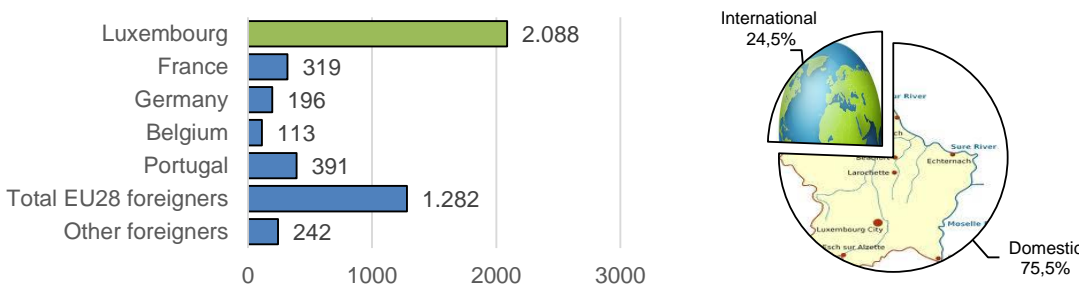
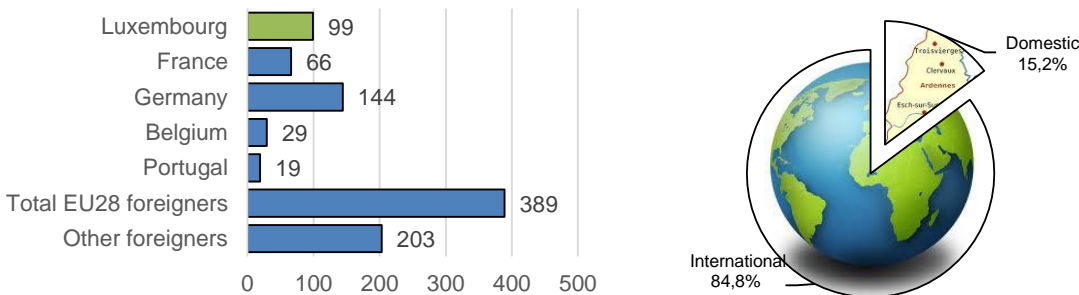


Methodological notes:

I) The number of partner universities in 2016 is counted. More than one agreement can be in place within the same university.

II) Starting from the academic year 2016/2017 a student's first and second nationality is counted, whereas previous results were based only on the first nationality. This methodology complies with international standards and avoids systematic biases in terms of national diversity within the student population.

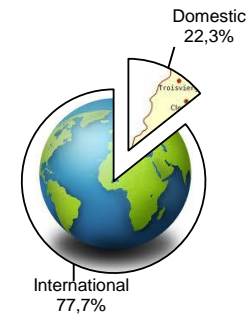
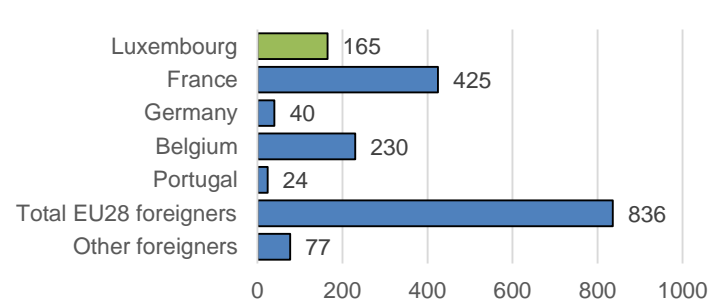
Internationality

<p>International versus Domestic</p> <p>Master students W-16/17</p>	 <table border="1"> <caption>Master students W-16/17</caption> <thead> <tr> <th>Category</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>Luxembourg</td> <td>431</td> </tr> <tr> <td>France</td> <td>183</td> </tr> <tr> <td>Germany</td> <td>140</td> </tr> <tr> <td>Belgium</td> <td>75</td> </tr> <tr> <td>Portugal</td> <td>65</td> </tr> <tr> <td>Total EU28 foreigners</td> <td>835</td> </tr> <tr> <td>Other foreigners</td> <td>433</td> </tr> </tbody> </table> <p>International: 70,2% Domestic: 29,8%</p>	Category	Count	Luxembourg	431	France	183	Germany	140	Belgium	75	Portugal	65	Total EU28 foreigners	835	Other foreigners	433	
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Category	Count																	
Luxembourg	2.088																	
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Total EU28 foreigners	1.282																	
Other foreigners	242																	
<p>International versus Domestic</p> <p>Ph.D. students W-16/17</p>	 <table border="1"> <caption>Ph.D. students W-16/17</caption> <thead> <tr> <th>Category</th> <th>Count</th> </tr> </thead> <tbody> <tr> <td>Luxembourg</td> <td>99</td> </tr> <tr> <td>France</td> <td>66</td> </tr> <tr> <td>Germany</td> <td>144</td> </tr> <tr> <td>Belgium</td> <td>29</td> </tr> <tr> <td>Portugal</td> <td>19</td> </tr> <tr> <td>Total EU28 foreigners</td> <td>389</td> </tr> <tr> <td>Other foreigners</td> <td>203</td> </tr> </tbody> </table> <p>International: 84,8% Domestic: 15,2%</p>	Category	Count	Luxembourg	99	France	66	Germany	144	Belgium	29	Portugal	19	Total EU28 foreigners	389	Other foreigners	203	
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Internationality

**International versus
Domestic**

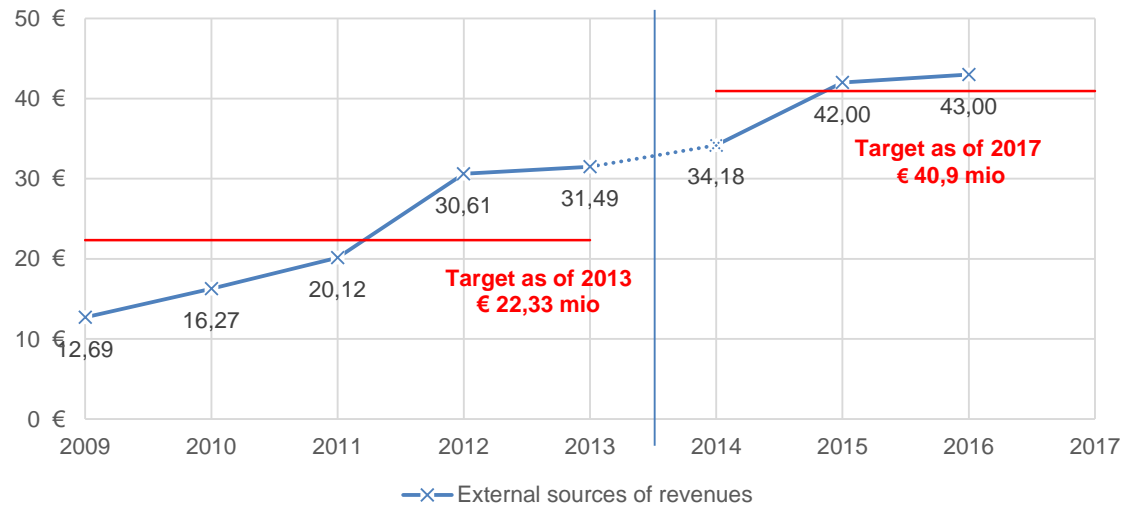
**Other programmes
W-16/17**



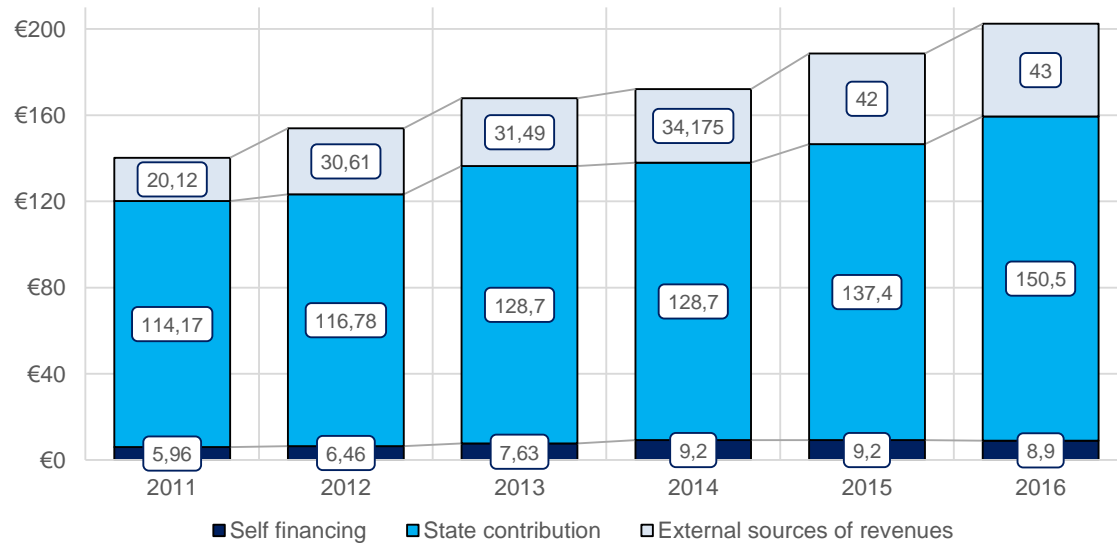
Organisation

External revenues (millions of Euro)

Art.17 (3) Outre la dotation globale, l'Université s'engage sur une croissance cumulée de 30% du financement externe pendant la période 2014-2017 par rapport à l'exercice 2013 et sur un volume global de 145 millions d'euros



Total revenues (millions of Euro)



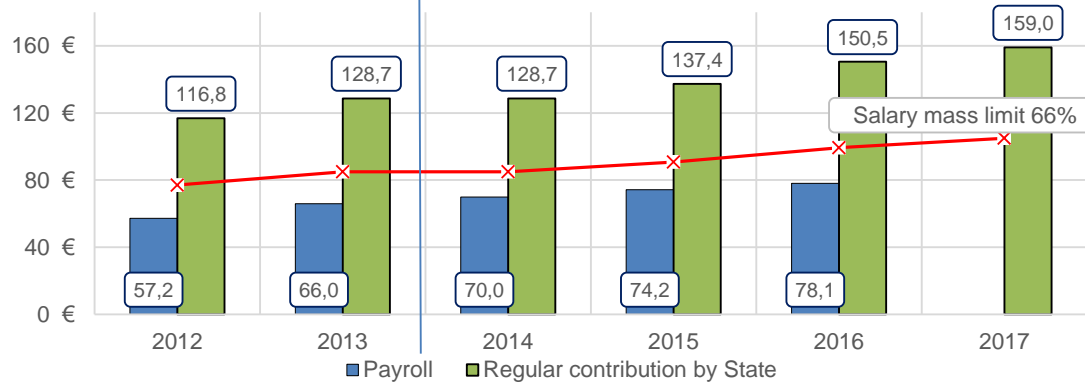
Key funding sources.

Based on realised amounts in millions of euros as of 31.12.2016.

Organisation

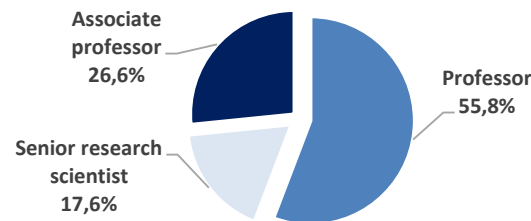
Salary mass (millions of Euro)

Art.17 (2) La masse salariale de l'Université ne peut excéder, pour ce qui est des postes structurels, 66% de la contribution régulière de l'Etat



Realised payroll as of 31.12.2016, excluding the "public employees".

Composition of academic staff by level

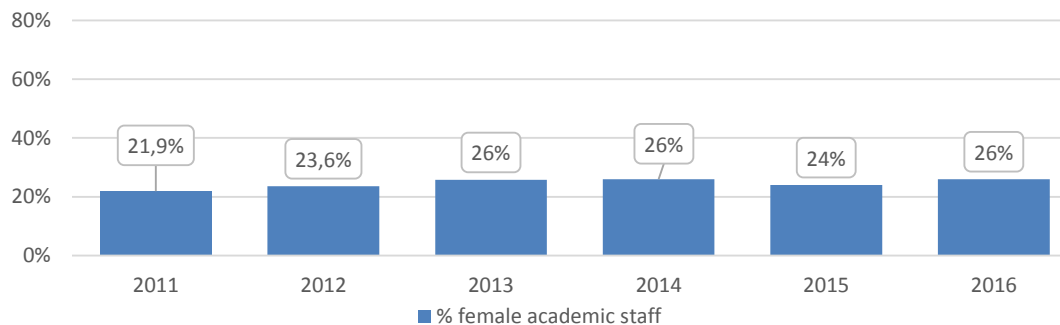


As of the 31.12.2016, the number of Academic Staff at the UL is 244,35 FTE.

Note: The category "Professors" includes all full professors who occupy managerial roles, namely President, Vice-Presidents, Deans and IC Directors.

Equal opportunities

Art.16 (2) Dans la gestion de ses personnels, l'Université veille à un juste équilibre dans la représentation des sexes, notamment pour ce qui est de la carrière de professeur

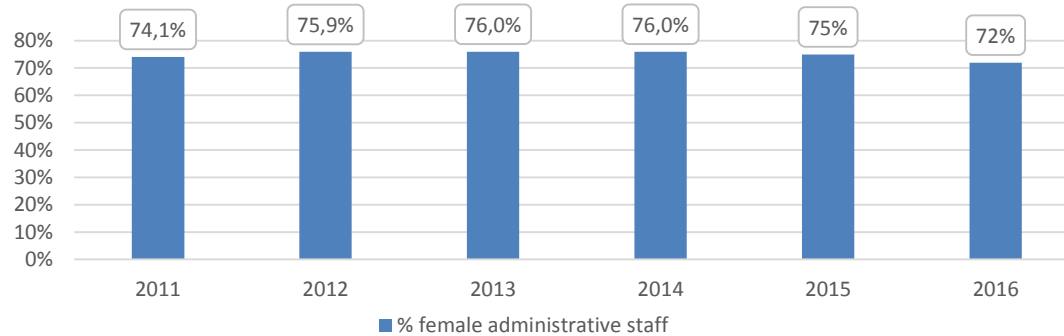


As of 31.12.2016, 16% of all professors are women.

Organisation

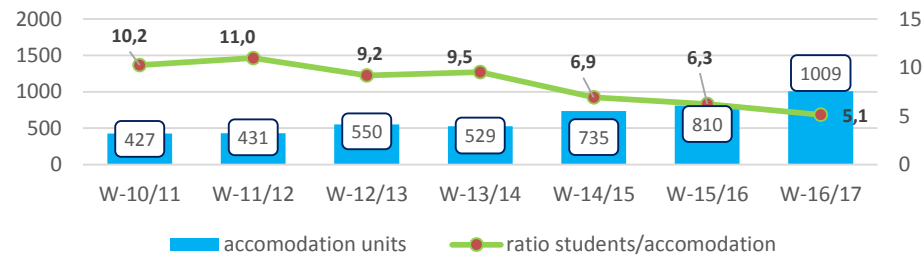
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Accommodation units (beds)

Number of accommodation units over time



Student accommodation increased significantly due to the new student residences now available on the Belval Campus.

The ratio includes only Bologna students.

Public understanding of Science and Technology

Activities

- 1 "Grande conférence"
- 1 " Dialogos " between artist and researcher
- 11 "Jeudi des Sciences"
- 1 serie of courses "Amphi ouvert" (5 classes)
- 1 summer school "Leonardo" for pupils
- Guest student activity "open@uni.lu"
- Participation in the pilot project "CERCo - Construire Ensemble une Région de la Connaissance"
- 1 meetings " Uni iwwer Land "