

University of Luxembourg
REPORT 2014

**Key
Performance
Indicators**

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

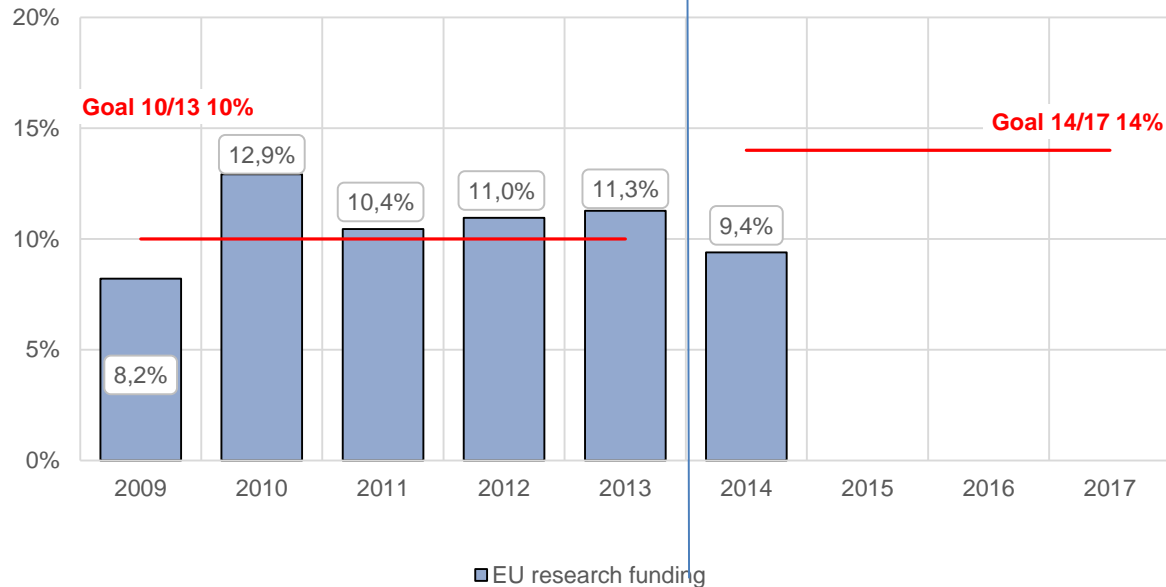
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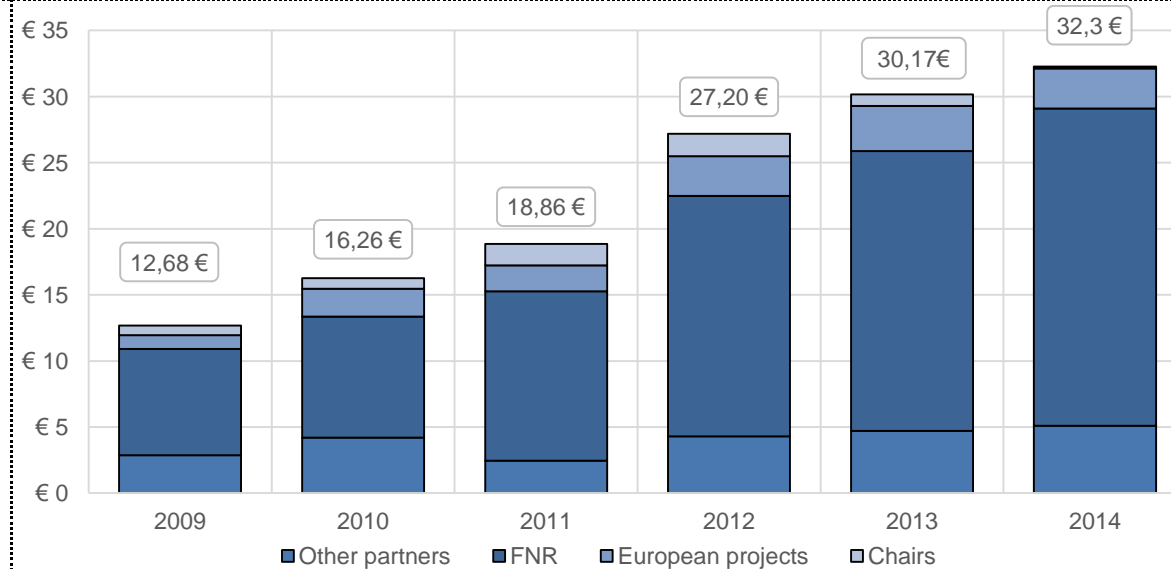
Research indicators

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



External research revenues (milions of Euro)

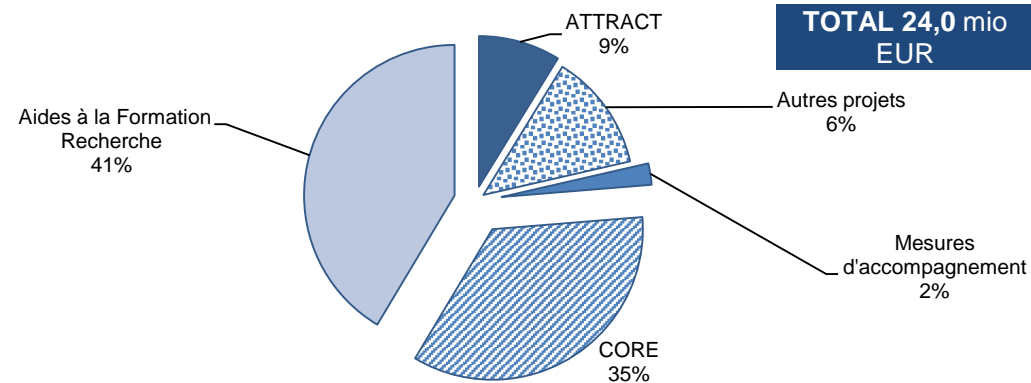


The new 4-year contract fixes a more ambitious goal for the amount of research funding coming from the EU programme: UL committed to fund its research with at least 14% of the total external research funding coming from the 7th research EU framework and horizon 2020.

The external research revenues kept increasing in 2014 reaching 32,3 million € in 2014, up by more than 7% in comparison to 2013. EU funding slightly decreased, standing at 9,4% of total external funding for research, not fulfilling the requirement settled in the new contract.

Research indicators

FNR revenues, detail



The FNR is the largest source of external research revenues representing a total of 24,0 million € in 2014. The largest share of funding originates from the AFR- Aides à la Formation Recherche (9,93 million €) and CORE projects (8,4 million €).

Chairs

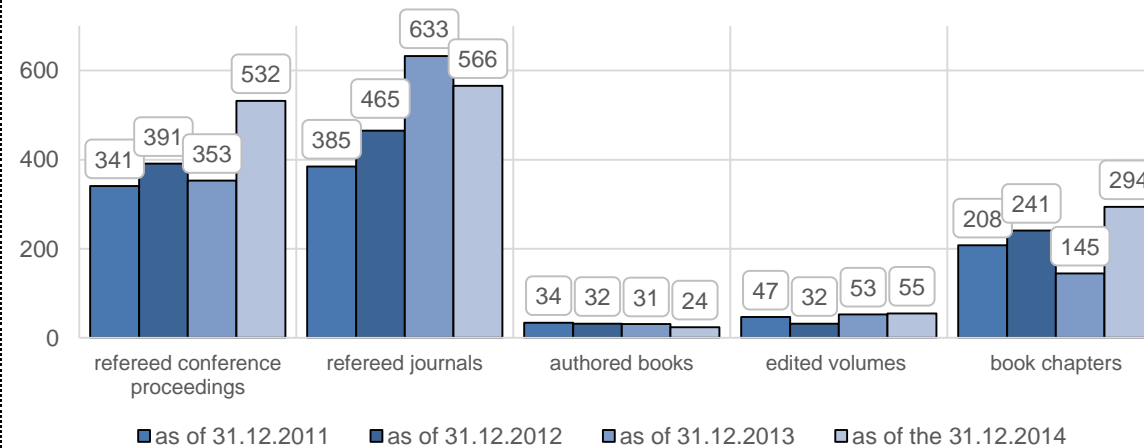
Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants: [...]le nombre de chaires professorales:5

In 2014, University held 7 chair agreements:

- 2 international chairs with limited funding:
 - Chaire Jean Monnet en Histoire européenne contemporaine
 - Chaire UNESCO en Droits de l'Homme
- 5 endowed chairs: ArcelorMittal, Atoz, ADA, Deutsche Bank, Ville d'Esch-sur-Alzette

In 2014 University held seven chairs: two international chairs with limited funding, "Chaire Jean Monnet en Histoire européenne contemporaine", "Chaire UNESCO en Droits de l'Homme"; and five endowed chair with ATOZ Tax Adviser, ADA, Arcelor Mittal, Deutsche Bank and Ville d'Esch-sur-Alzette).

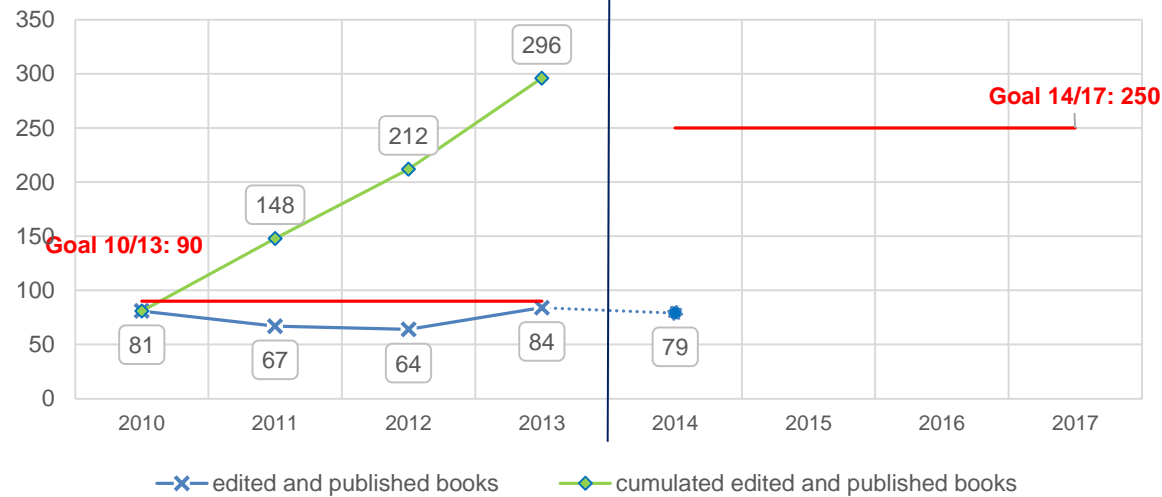
Number of publications



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

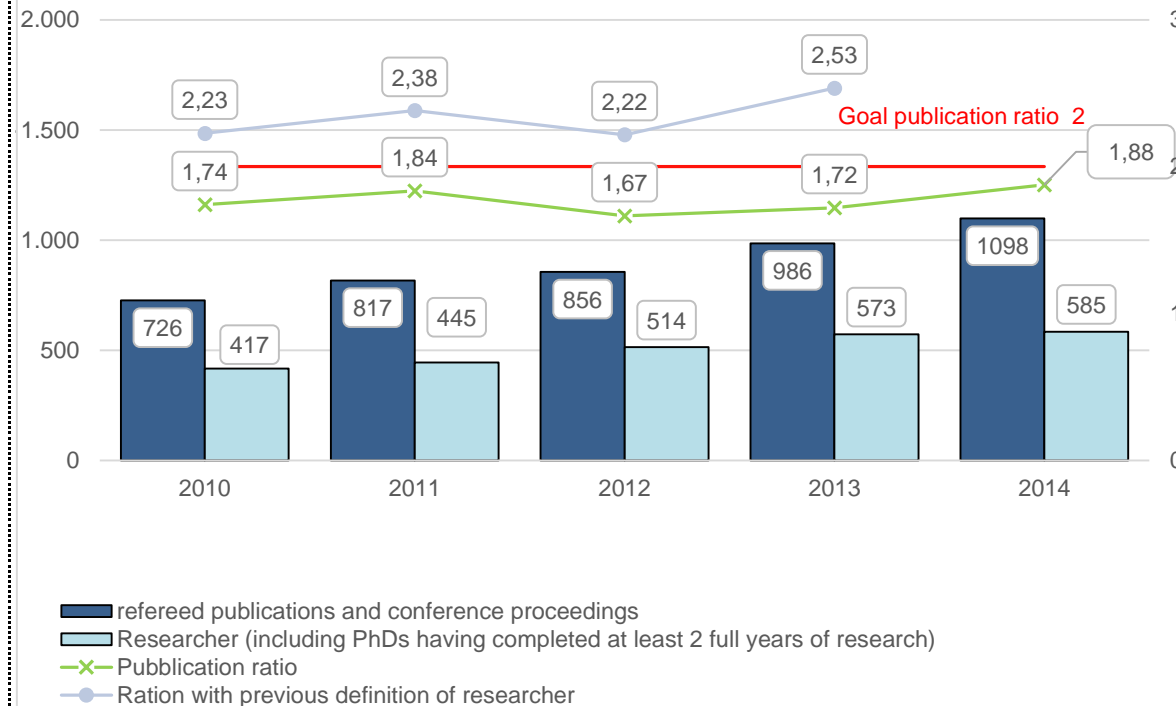


The goal fixed by the previous contract of 90 published or edited books was largely exceeded at the end of 2013. The new contract fixed a more ambitious target of 250 books and book chapters to be published by the end of 2017.

The new contract required to include the PhD's students having completed at least two full years of research training to the number of researchers. Publication ratio for past years has been re-computed according to this new definition.

Publications per researcher

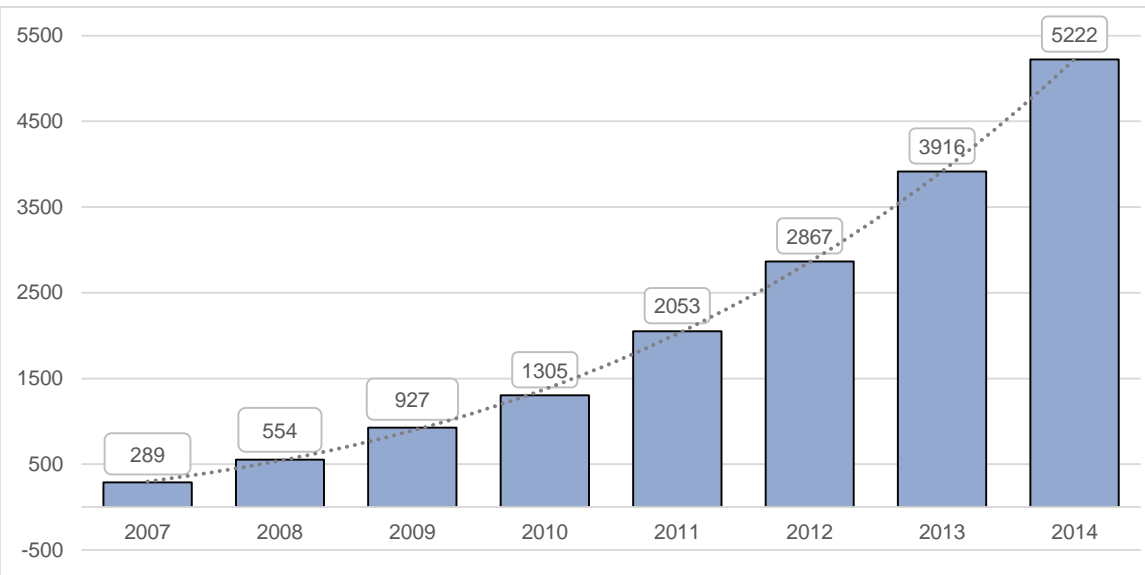
Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants: [...] L'intensité de publication dans des revues ou « proceedings » à comité de lecture : 2 publications par année et par enseignant-chercheur en équivalent « recherche ETP ».



In the last year the number of refereed publications increased (+11,4%), while the number of researchers has remained essentially stable. The number of refereed publications per researcher kept increasing up to 1,88 in 2014, very close to the target of 2 publications per researcher. It should also be noted that this result is obtained by considering headcount and not FTE researchers as requested. This brings a underestimation of the publication ratio. Data in FTE will be soon available.

Research indicators

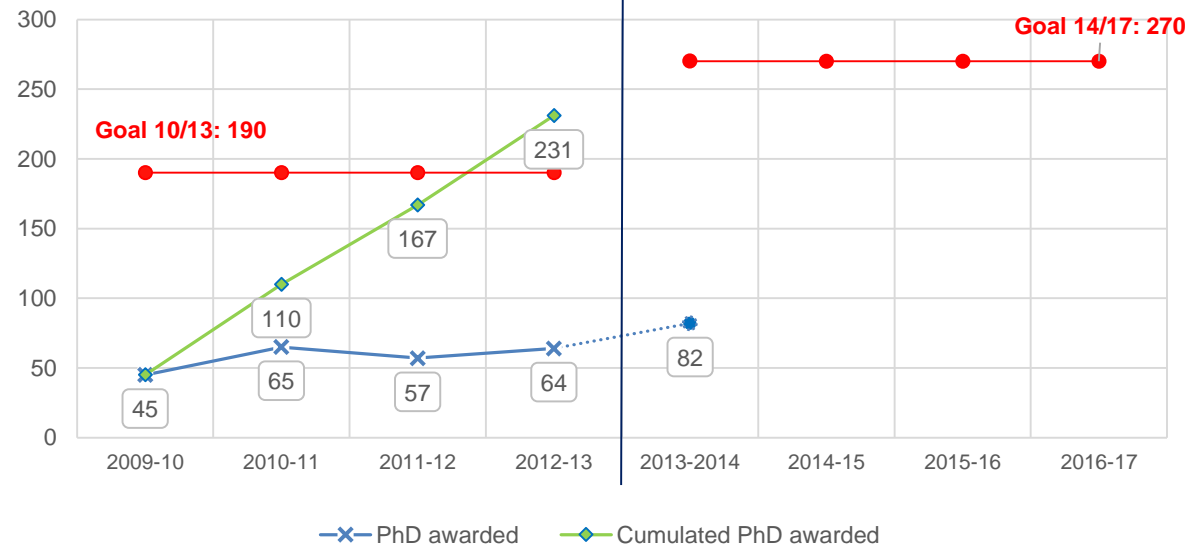
Number of citations - Web of Science



The number of citations of UL publications continues to grow. University publications are systematically stored via Orbi.lu since 2013.

Ph.D. degrees awarded

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



The new contract fixes the cumulated number of PhD thesis discussed up to the end of 2017 as of 270. In 2013/14, the total number of PhDs thesis discussed is 82.

Research indicators

ERC grant

In 2014, University held 1 ERC grant

Art.4 La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants: [...] 2 bourses ERC

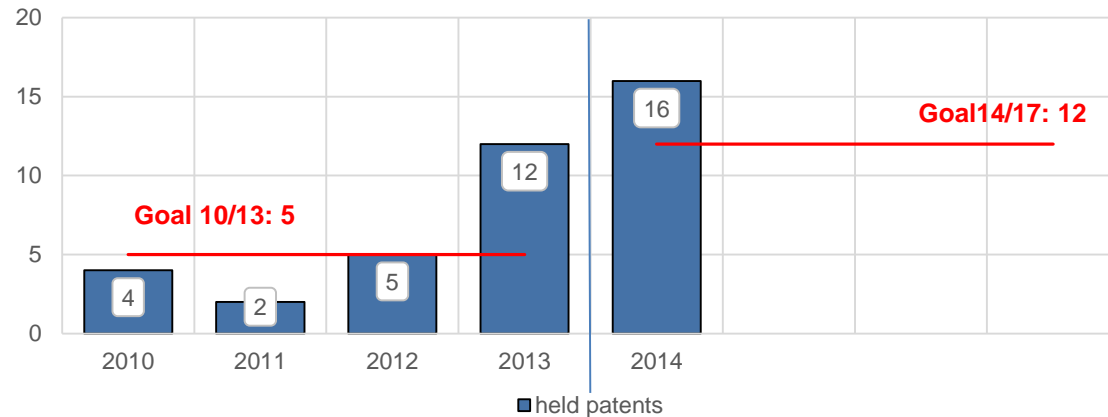
COMMENTS

University committed to gain two ERC grants. In 2014, University held one ERC research grant.

Intellectual property

Patents

Art. 4
La qualité et l'efficacité de la recherche se définissent par les indicateurs suivants : le nombre de brevets : 12

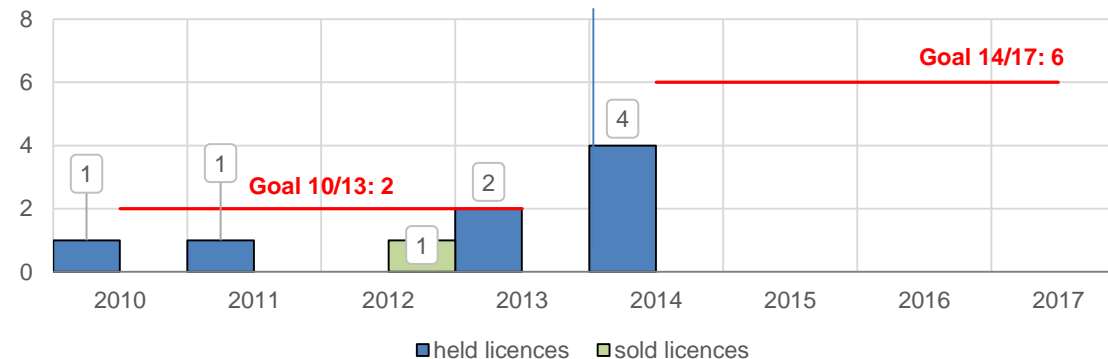


University research output led to a total number of 16 on-going patents, filed in Luxembourg. This result is in line with the target of 12 patents fixed by the new contract.

Two new licenses have been obtained in 2014.

Licenses

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



Intellectual property

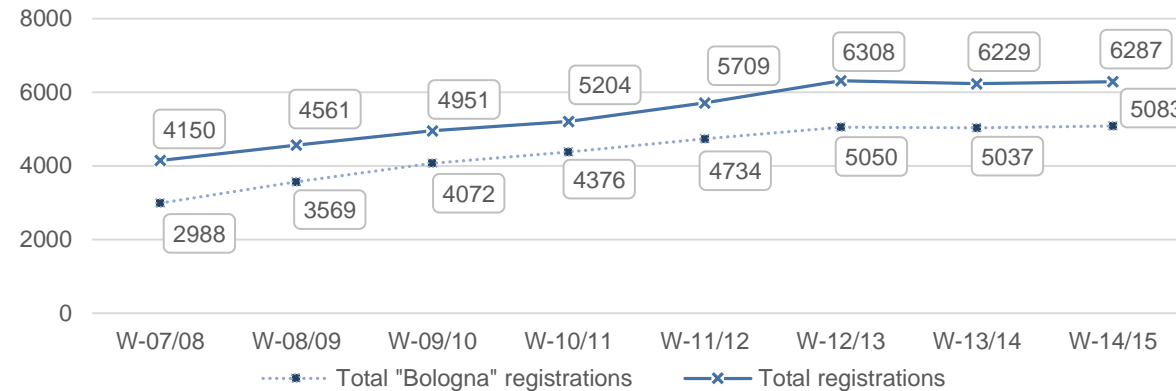
Spin-off

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

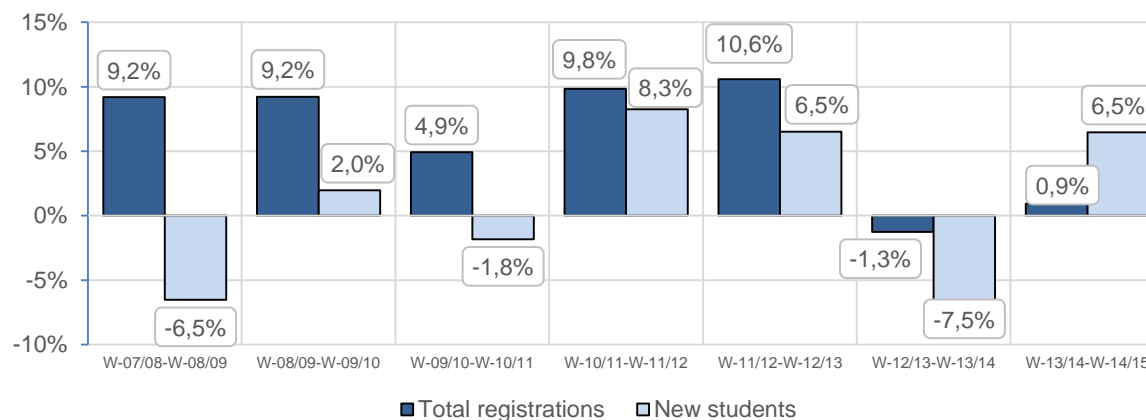
University held two active spin-offs in 2014

Academic Affairs

Total University registrations (winter semesters; guest students excluded)



Total University registrations: growth rate (winter semesters; guest students excluded)



The number of students remained almost constant, confirming last year's observed stabilisation in student population.

6287 students registered in winter semester 2014/15 (guest students excluded). A welcomed increase of 6,5% was observed in new students registrations, after the drop of 7,5% new registrations recorded last year.

The Bologna students registration are broken down as follow:

- 3231(-2,2%) Bachelor students
- 1283 (+7,8%) Master students
- 569 (+4,4%) PhD students

The Non-Bologna students registrations are up to 1204 (+1,0%)

Academic Affairs

Number of Bachelor programmes

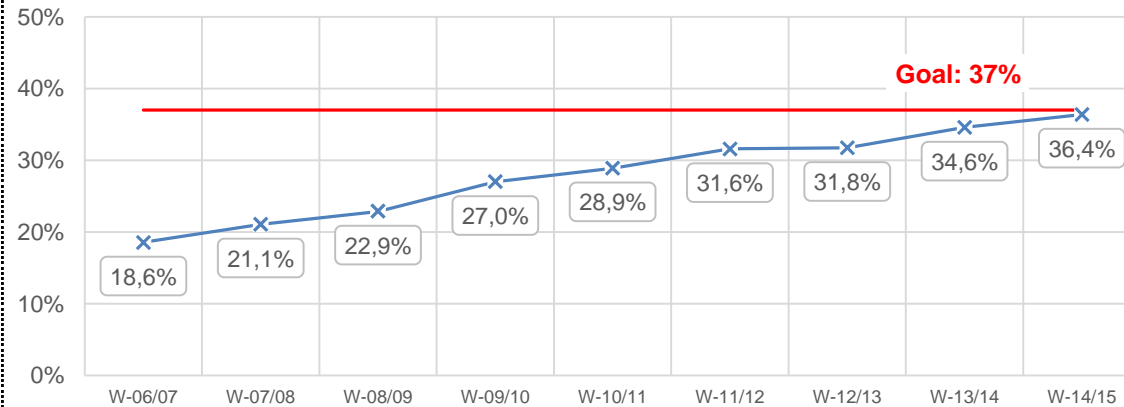
Art. 6(2) [...] Le nombre de programmes "bachelor" n'augmente pas par rapport au nombre de programmes "bachelor" offerts à l'échéance du contrat d'établissement 10/13.

11 Bachelor programmes were offered in Academic year 2013/2014
 No new Bachelor programme has been activated since then.

No new Bachelor programme has been introduced in 2014 as agreed in the article 6(2) of the new contract.

Bologna Index

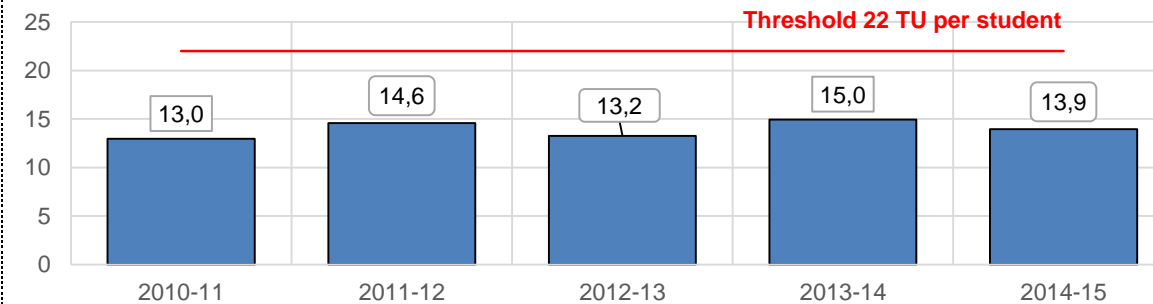
Art. 7
 Bologna Index : le taux visé d'étudiants inscrits dans les formations de master et de doctorat est de 37% des étudiants inscrits dans les formations « Bologne ».



The Bologna index, which is the total number of PhD and master students over total Bologna students, increased again to attain 36,4%, almost reaching the target of 37%, characterizing the research-oriented nature of the University.

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



The limit of 22 teaching units per student has been respected.

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 le trois premières promotions d'un nouveau programme</i></p>	<p>All bachelor programmes respect the art.7(4) threshold</p> <p>Master programmes not respecting the threshold:</p> <p><i>1st and 2nd year master</i></p> <ul style="list-style-type: none"> Master in Condensed Matter Physics Master en Langues, Cultures et Médias - Lëtzebuerger Studien Master in Geography and Spatial Planning <p><i>1st year master</i></p> <ul style="list-style-type: none"> Master en Histoire Européenne Contemporaine Master in Modern and Contemporary European Philosophy <p><i>2nd year master</i></p> <ul style="list-style-type: none"> Master in Mathematics
<p>European criteria</p> <p>Art.10 (1) <i>[..] Volume visé de 7000 credits au plus.[..] Avec chaque diplôme, l'Université délivre le supplément au diplôme</i></p>	<p>In Academic Year 2014/15, a total number of 9436 ECTS have been proposed as compulsory classes</p> <p>A diploma supplement is delivered with each Master and Bachelor awarded degree</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>Les programmes de formation sont définis en termes d'objectifs d'apprentissage (learning outcomes) convergents avec ceux du cadre européen de qualifications ; ces objectifs d'apprentissage figurent dans les descriptions des formations, directement accessibles sur le site internet de l'Université, et sur le portail étudiant Moodle.</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>	<ul style="list-style-type: none"> Bachelor Académique en Sciences et Ingénierie – Physique (seulement programme intégré coopération SAARLUXLOR) Bachelor en Sciences de la Vie, Filière Biologie Bachelor en Ingénierie, Filière Europäisches Baumanagement Master in Modern and Contemporary Philosophy Master in condensed Matter Physics Master en Développement Durable Bachelor en Cultures Européennes, Philosophie Trinationaler Master in Literatur-, Kultur-, und Sprachgeschichte des deutschsprachigen Raums Master en Communication et Coopération Transfrontalières

The number of ECTS slightly exceeded the limit of 7000 ECTS per year. ECTS are computed on compulsory classes offered during the entire academic year.

The diploma supplement is delivered systematically to each the master and bachelor degrees delivered.

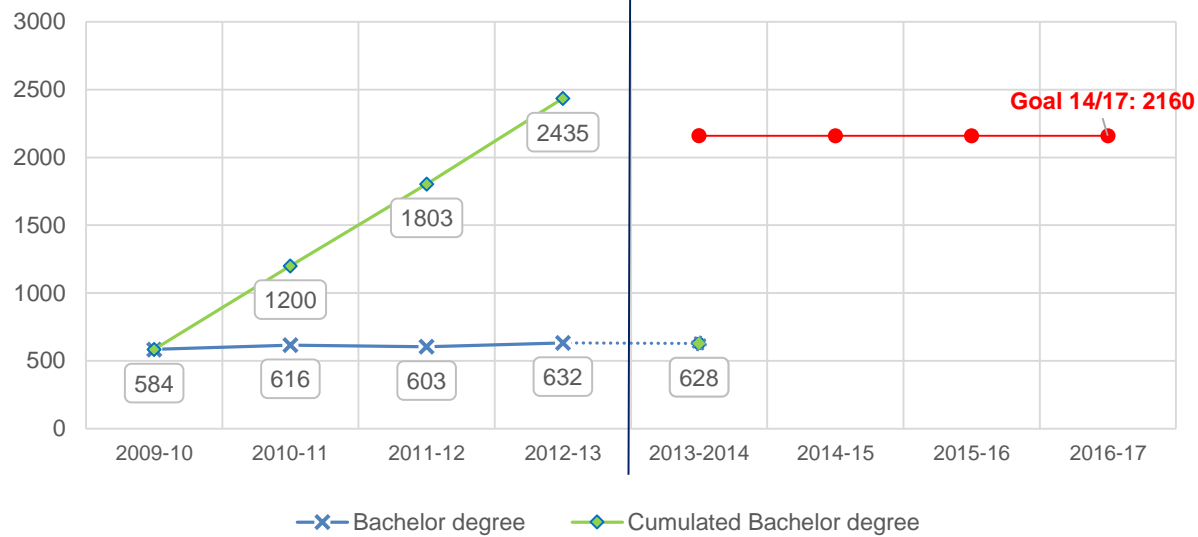
Academic Affairs

<p>Tutoring</p> <p><i>Art. 14 l'université renforce le tutorat en première année de bachelor et au 1er semestre de master</i></p>	<p>Tutoring is widely implemented in the three faculties</p>	<p>Multilingualism requirements are respected in 2014. To strengthen multilingualism, University organised 31 language courses for personnel (280 participants) and 15 language courses for students (220 participants) in 2014 . Moreover, the multilingualism concept has been reinforced by the Establishment of a calendar to the implementation of an University language center.</p>
<p>Pedagogical chart</p> <p><i>Art. 5 (1)[...]charte pédagogique [...] constituant l'acte d'engagement de l'Université</i></p>	<p>La Charte pédagogique prévue à l'art. 11 de la Loi du 12 Août 2003 portant création de l'Université du Luxembourg est en cours de discussion préliminaire au sein des organes et composantes de l'Université, pour une mise en application au plus tôt.</p>	
<p>E-learning</p> <p><i>Art. 5 (2) [...] l'Université incite à créer [...] un espace de cours permettant aux étudiants d'avoir accès à des ressources en ligne [...]</i></p>	<p>Les espaces de cours électroniques sont en place dans les trois facultés de l'Université, à travers la plate-forme d'apprentissage en ligne Moodle, qui permet de créer des communautés s'instruisant autour de contenus et d'activités pédagogiques. Moodle est le système pédagogique d'interaction principal entre enseignants et étudiants à l'Université : il constitue le portail unique d'accueil des apprenants.</p>	
<p>Multilingualism</p> <p><i>Art. 13(1) and (2) 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>In 100% of Bachelor programmes courses are held in two or more languages</p> <p>In 53% of Master programmes courses are held in two or more languages</p> <p>In 41% of Master programmes courses are held in English exclusively</p> <p>In one Master programme, courses are held in French exclusively</p> <p>In one Master programme, courses are held in German exclusively</p>	

Academic Affairs

Awarded bachelor degrees

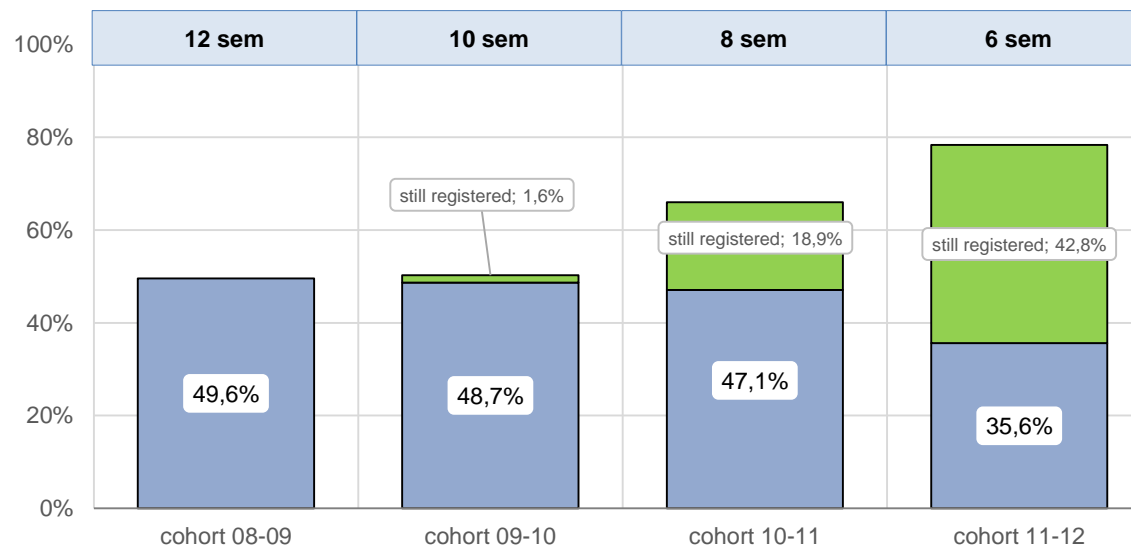
Art.7 (2)a en 2017, le nombre cumulé de diplômes de "bachelor" délivré est de 2160



The contract fixed a new target of 2160 awarded bachelor degrees by the end of 2017. In the last four year period the University delivered 2435 bachelor degrees, in line with the new identified target.

180 ECTS

Bachelor graduation rate



Graduation rate up to 2014, Bachelor full time students

The graduation rate of Bachelor students has remained stable for the last three years.

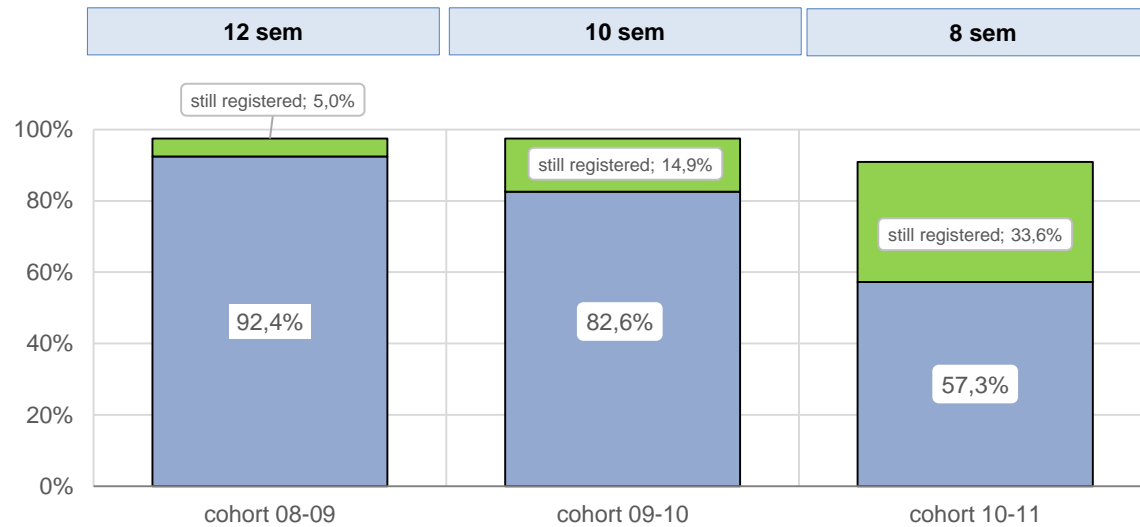
Methodological note: in computing expected graduation rate, a caution principle is applied resulting in an underestimation of the final graduation rate; some students can exit for one or more semesters and continue their studies later on.

Academic Affairs

240 ECTS

Bachelor graduation rate

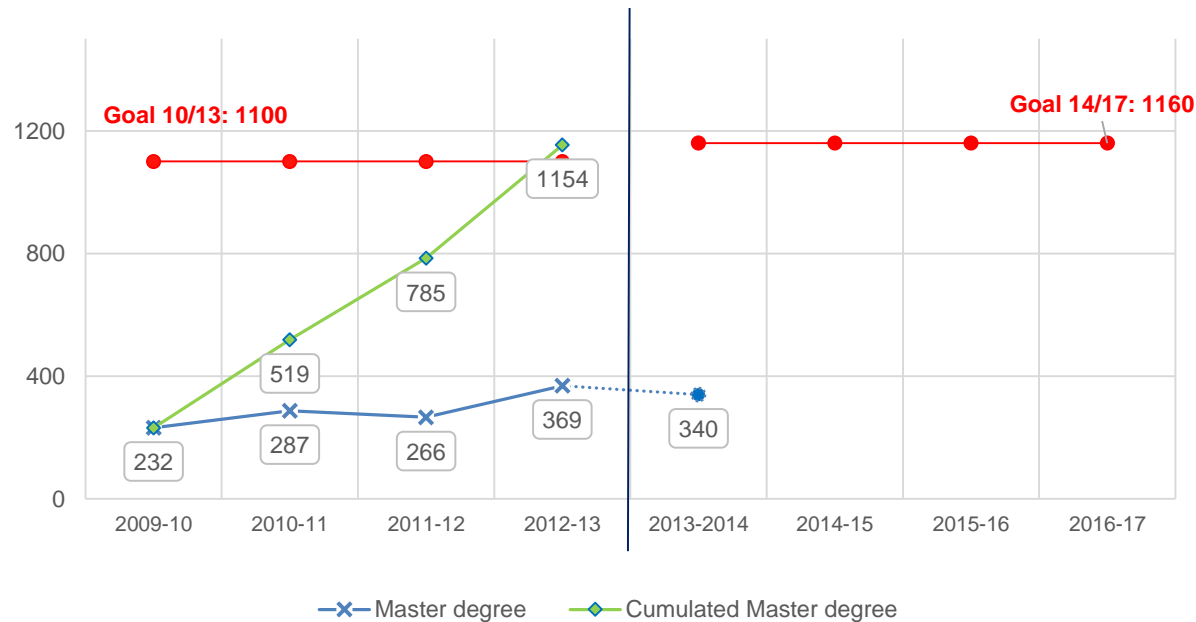
Graduation rate up to 2014, Bachelor full time students



The graduation rate of 240 ECTS bachelor is almost the double of other bachelor programmes. The strict selection of students within this educational programme has a positive effect on the high level of success of its students.

Awarded Master degree

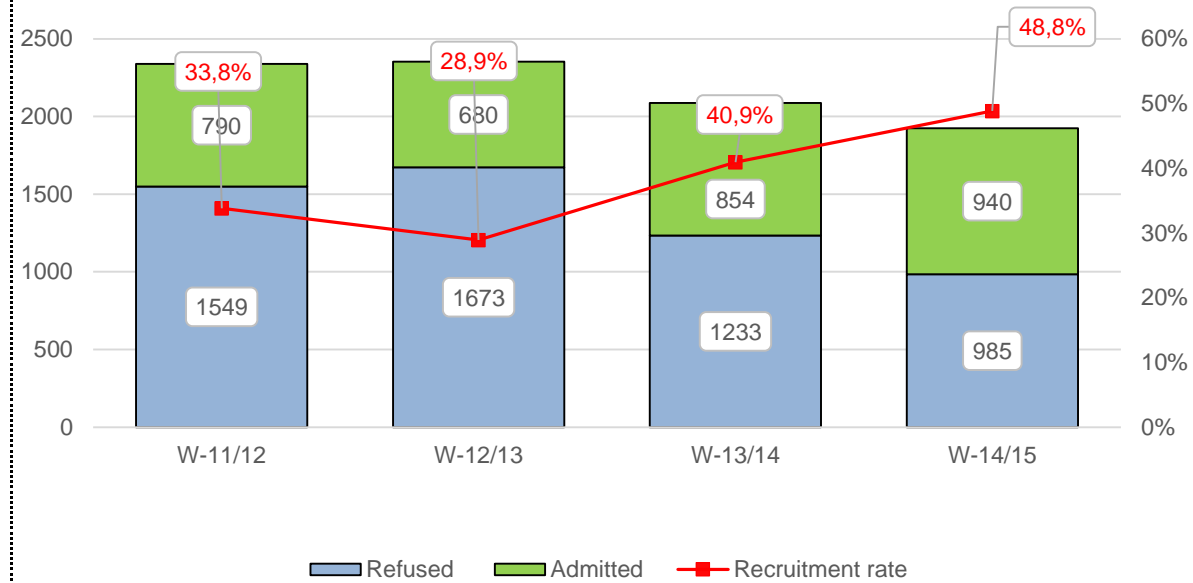
Art.7 (2)b *En 2017, le nombre cumulé de diplômes délivré "master" est de 1160*



The previous target of 1100 cumulated awarded Master degrees over the last four years has been surpassed, reaching 1154. The contract fixed the new target up to 1160 Master degrees awarded at the end of 2017.

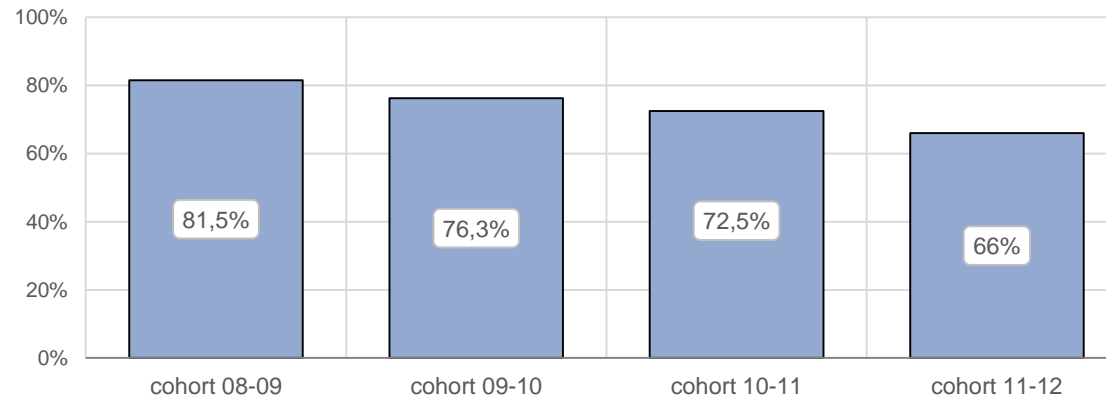
Academic Affairs

Master recruitment rate



The recruitment rate for Master programmes slightly increased in last academic year up to 48,8%.

Graduation rate
Master 60 and 120 ECTS



After three years of relative stability the Master graduation rate decreased to 66% for the cohort 11-12.

Employability

Employability

* "Graduation ... and now?" Is a yearly conducted study collecting information about the activities of leavers six months after graduation

* Census date: 17th of February 2014 (future and past tense questionnaire)

* The fieldwork period lasts from end November 2014 to June 2015

* 1st phase: On-line survey

* 2nd phase: telephone follow-up

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

Survey dimensions:

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

* Type of occupation

* Employment basis

* Where place of work is located

* Remuneration

* Importance of qualification for obtaining the job

* Reasons to accept the job

* How did graduate find about the job

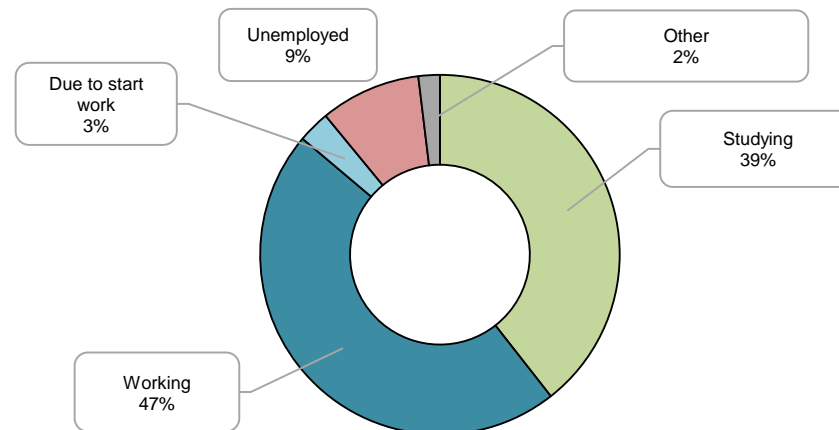
* Current training, if any

Response rate	53,7%
Bachelor and Master graduates academic year 2012/2013	969
Respondents	520
corrected response rate*	56,8%

*excluding bad email/phone contact

Graduation and ... now?

University employability survey: results and specifications



For the first time, University put in place a survey "Graduation..and now?" aiming to trace the path followed by its graduates after six months from graduation. The participation rate is very satisfactory.

The survey will be repeated yearly, producing time series data that will give a better and more clear picture of the destinations of our graduates.

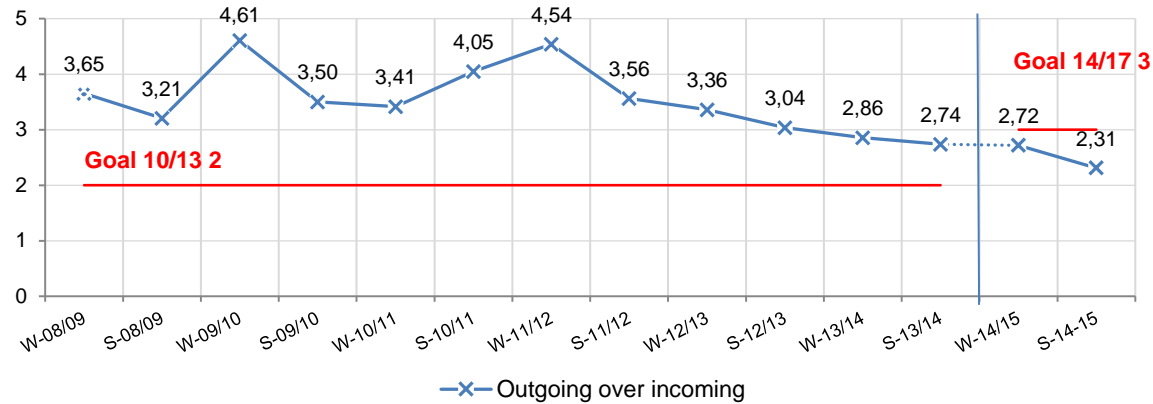
The yearly "Graduation..and now?" survey will be followed by a follow up survey aiming to measure the level of employment of our graduates after three years from graduation.

The "Graduation ..and now?" project has been based on the survey implemented by the Higher Education Statistical Agency of UK. This allows to have a direct comparability of our graduates employability results with those of graduates from all higher education actors of UK.

Mobility

Mobility ratio

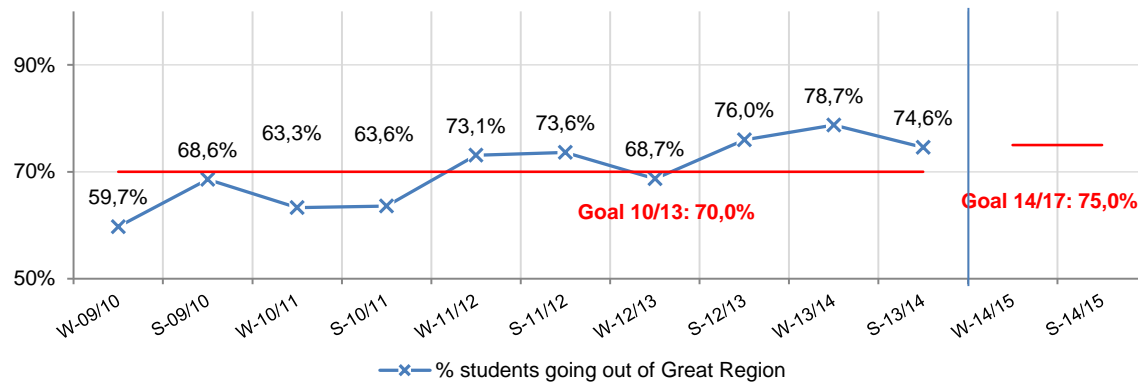
Art.12 (3)
L'Université favorise l'accueil d'étudiants étrangers dans le cadre de partenariats. Le taux visé d'étudiants sortants/étudiants rentrants est de 3/1



The reciprocity between outgoing and incoming mobility kept increasing. This result is substantial considering the compulsory outgoing mobility semester for all bachelor students. The new goal fixed by the contract takes into account this specific characteristic of our University.

Non-commuting mobility

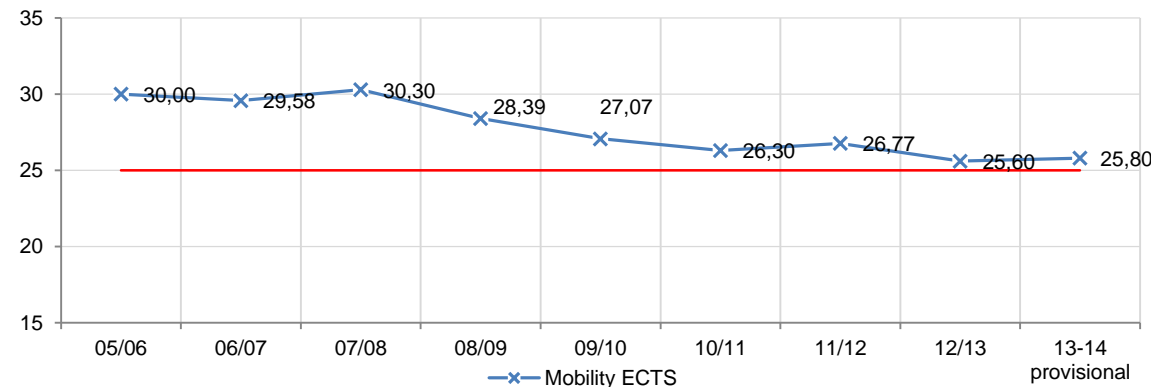
Art. 12. (2)
Un taux de 75% de mobilité des étudiants au-delà de la Grande-Région est visé



Non-commuting mobility (outside the Greater region) surpassed the old target of 70%. The new target fixes the percentage of students that should spend their mobility period further away at 75%. This new goal is achievable by continuing in university effort in controlling, stimulating and promoting non-commuting students mobility.

Mobility ECTS

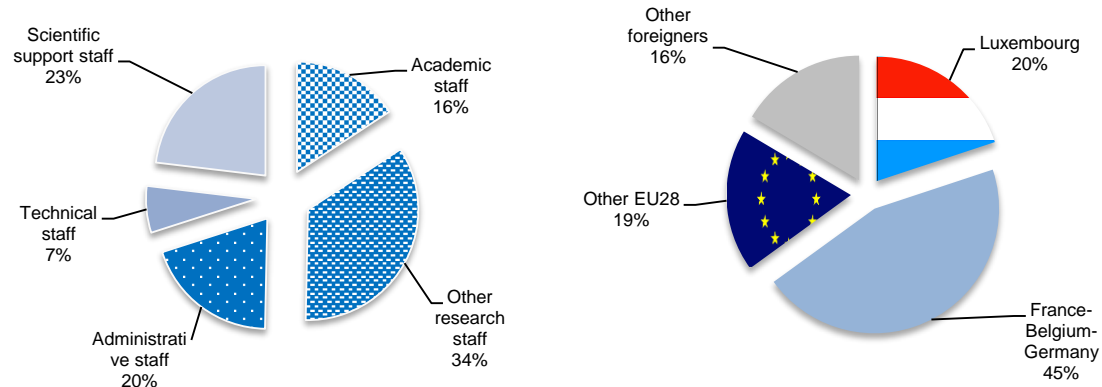
Art. 12. (1)
Pour les formations de bachelor, la mobilité des étudiants s'étend sur 30 ECTS au minimum avec en moyenne une reconnaissance de 25 ECTS par étudiant, le grade de bachelor étant délivré par l'Université



More than 25 ECTS were acquired by the students during their mobility stay in partner universities, respecting the required target.

Internationality

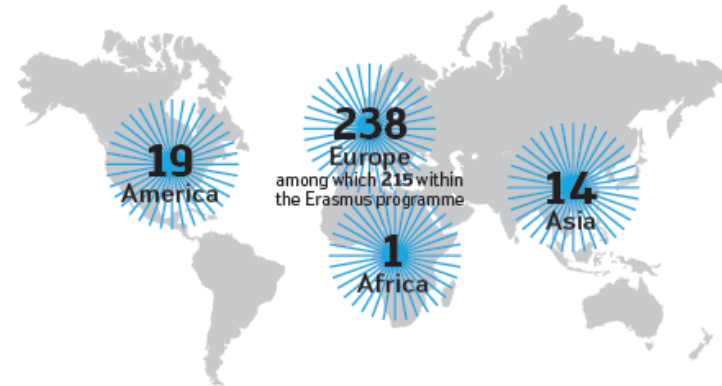
Staff composition and nationalities



The University continues to increase its international profile, for both its personnel and student bodies.

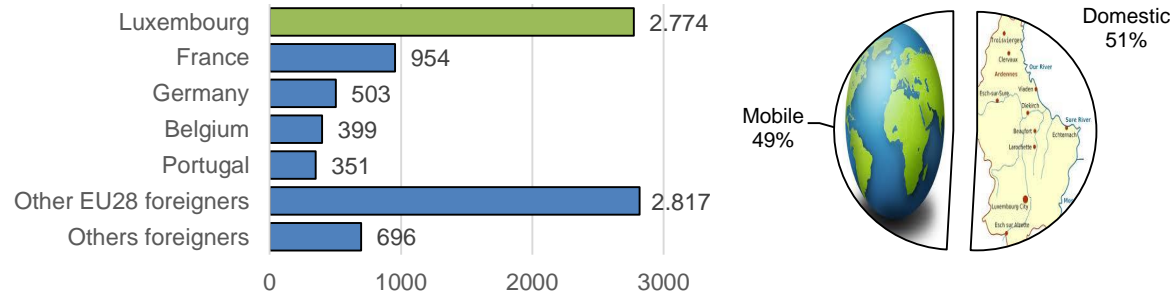
International agreements

International agreements with 69 countries as of the 31/12/2014



International versus Domestic

UL students W-14/15 (guest students excluded)

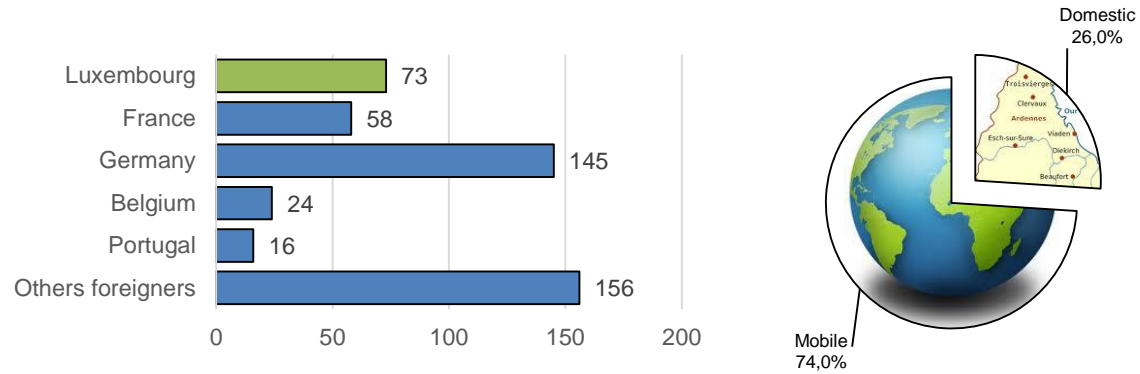


Note: mobile/domestic calculations are done using UNESCO-OECD-EUROSTAT data collection on education systems. Mobile students are non-residents of their country of study or those who received their secondary education in another country.

Internationality

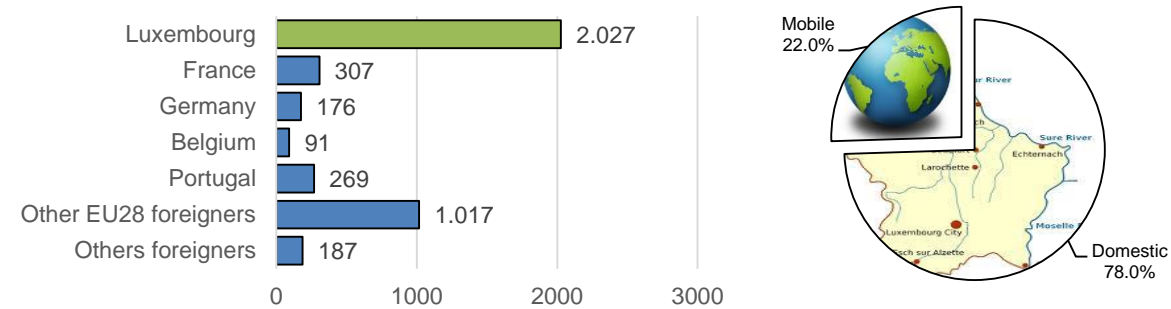
International versus Domestic

Master students W-14/15



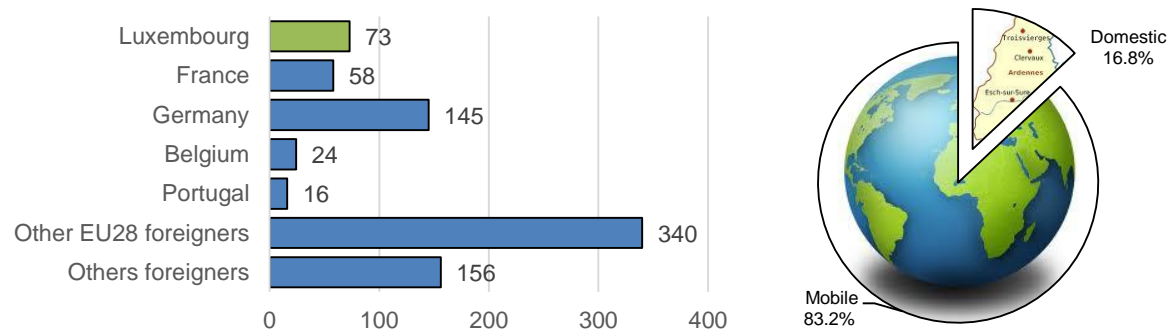
International versus Domestic

Bachelor students W-14/15



International versus Domestic

Ph.D. students W-14/15



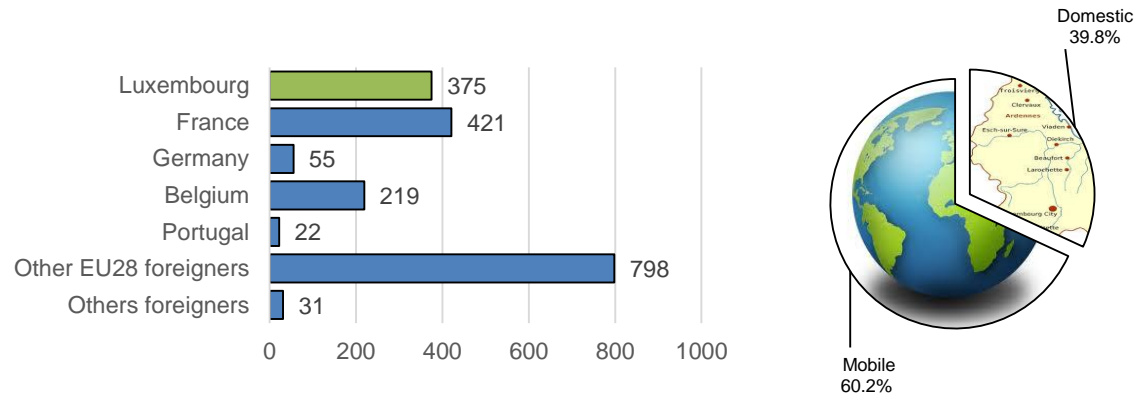
Ph.Ds and Master programmes attract a large proportion of mobile students.

Bachelor programmes attract essentially non-mobile students, representing more than 2/3 of the bachelor student population.

Internationality

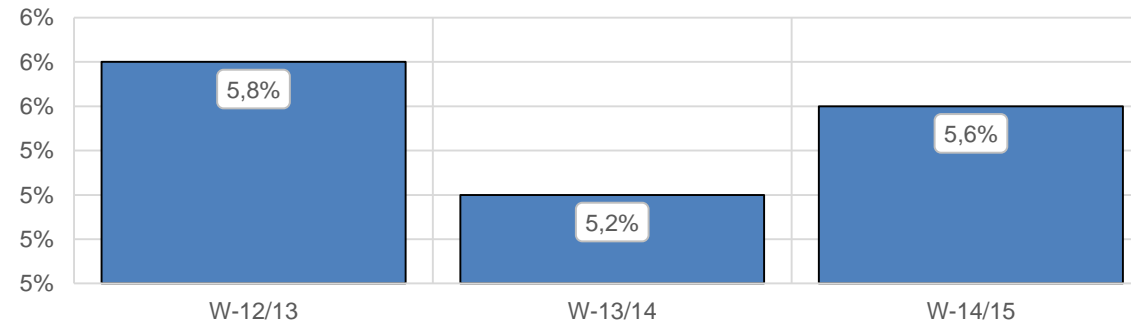
International versus Domestic

Other programmes students W-14/15



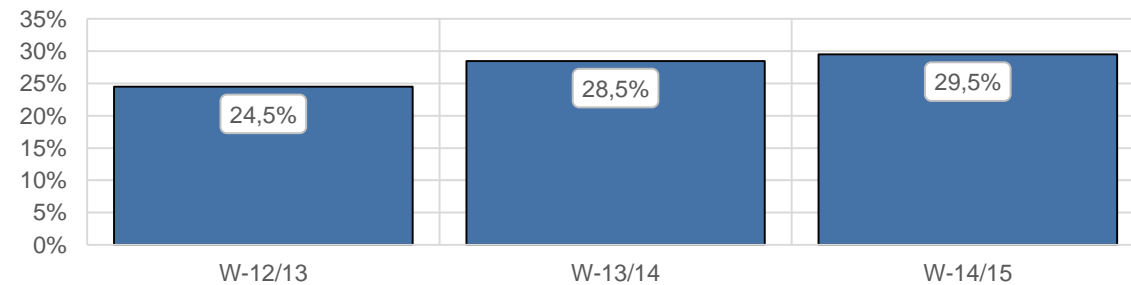
Portuguese nationals

% of students with Portuguese nationality on total students



Nationals from neighbouring countries

% of students with Belgian, German, French nationality on total students



Non-Bologna programmes attract a large number of international students from neighbouring countries and from Europe on the whole.

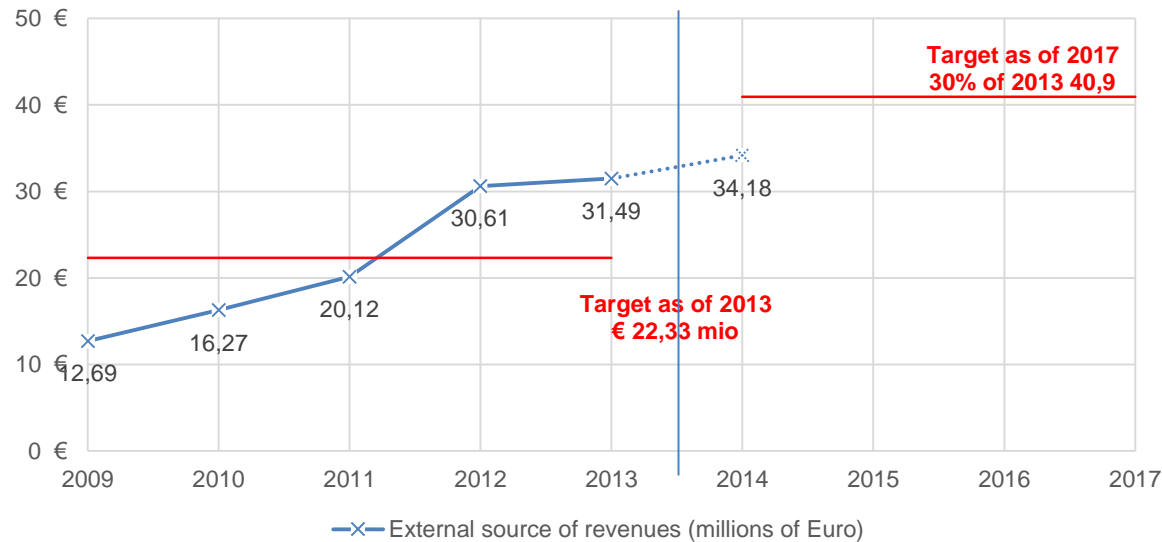
Portuguese nationals remain a fraction of the students of the University.

More than a quarter of UL students are from one of Luxembourg's neighbouring countries.

Organisation

External revenues (millions of Euro)

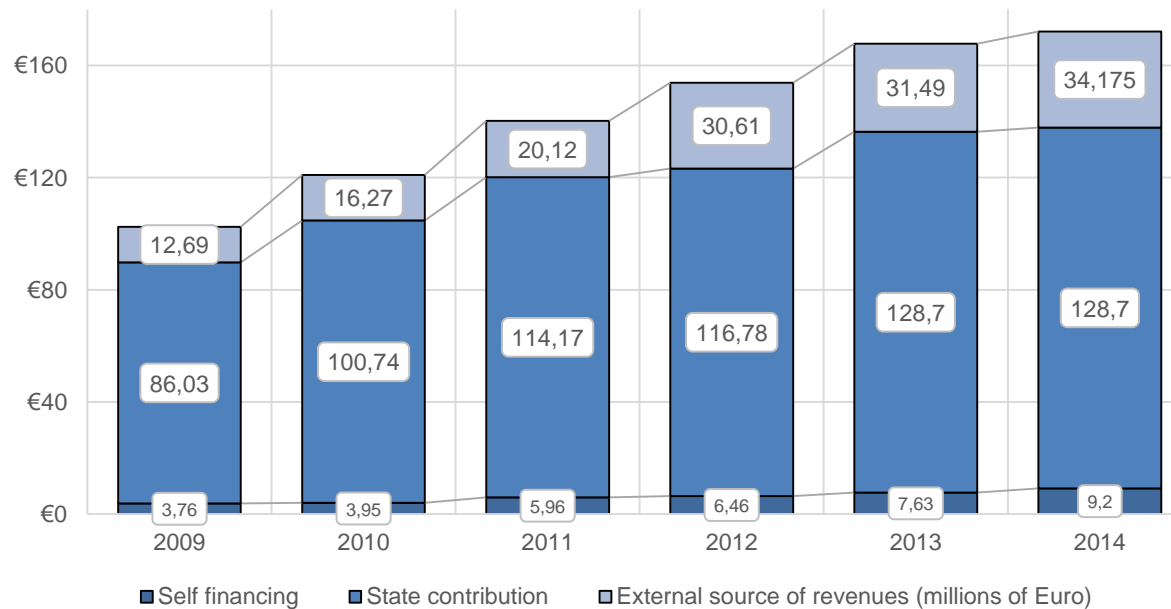
Art.17 (3)
Outre la dotation globale, l'Université s'engage sur une croissance cumulée de 30% du financement externe pendant la période 2014-2017 par rapport à l'exercice 2013 et sur un volume globale de 140 millions d'euros



University committed to increase the external revenues up to 40,9 millions by the end of 2017.

Total revenues (millions of Euro)

University revenue sources over year

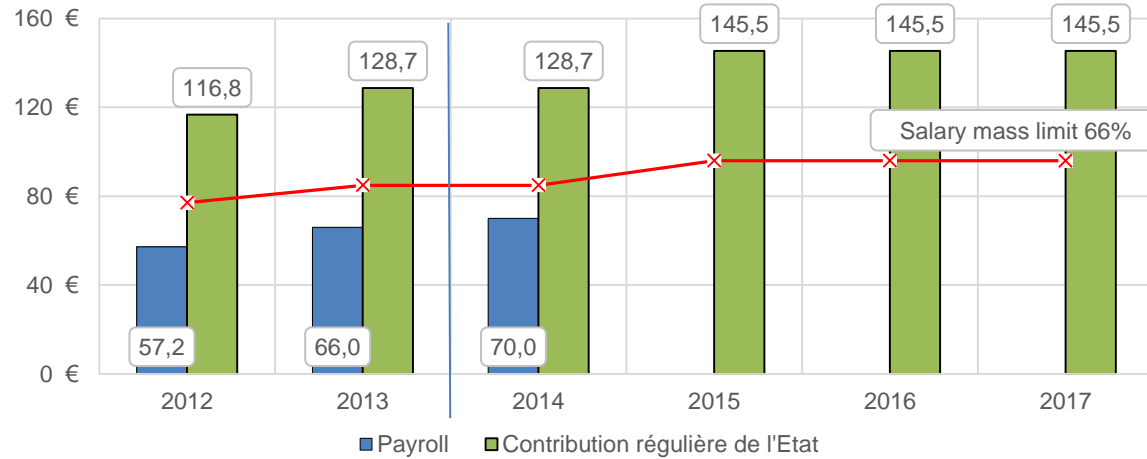


Total revenues increased by 2,5% in 2014 compared to previous year. This increase has been supported by the growth of the external revenues, up of 2,7, from 31,49 to 34,175 million € from last year.

Organisation

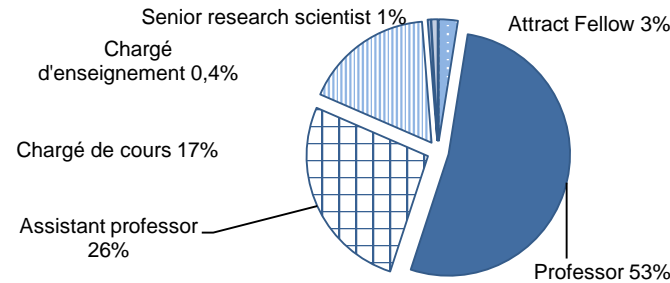
Salary mass

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



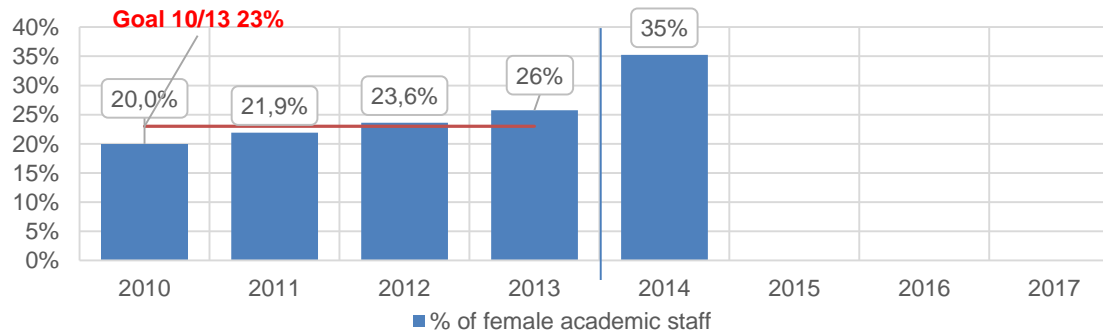
The University payroll (structural posts) was kept significantly below the fixed limit of 66% of the total state contribution.

Composition of academic staff by level



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

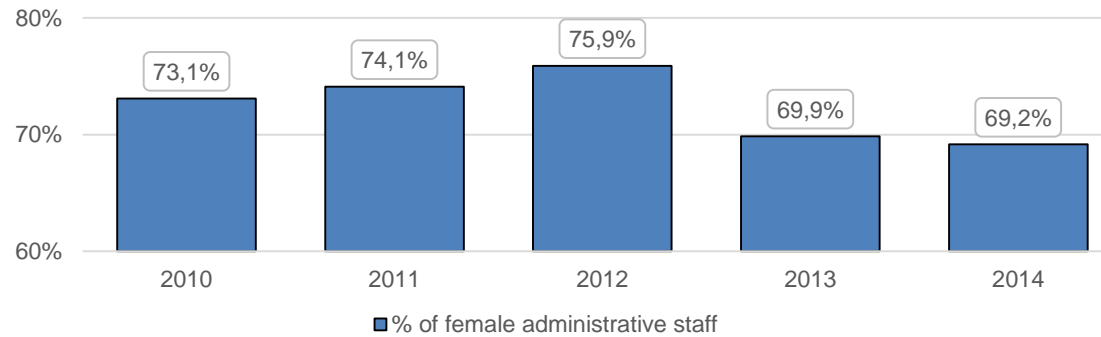


The University maintained its effort to increase the number of women among academic staff.

Organisation

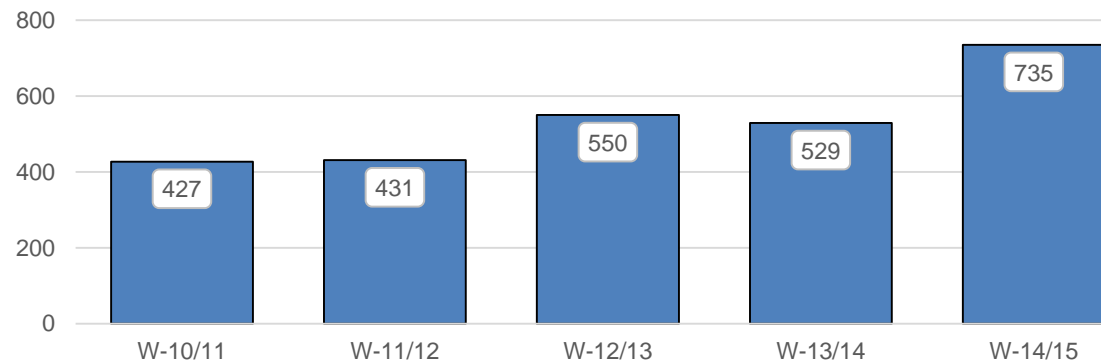
Equal opportunities

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



Accommodation units (beds)

Number of accommodation units over time



The University keeps an eye on balanced gender distribution among administrative staff.

Student accommodations increased significantly, thanks to new accommodations now available in Belval .

Public understanding of Science and Technology

Activities

3 "Grandes conférences"
16 "Jeudi des Sciences"
3 series of courses "Amphi ouvert"
1 seminar "Uni@Lycées"
Second meeting "Mompecher Gespréicher"
1 summer school "Leonardo" for pupils
Guest students activity "open@uni.lu"

Participation to the project "Science & You" (Nancy)
Participation in the pilot project "CERCo - Construire Ensemble une Région de la Connaissance"
6 meetings « Uni iwwer Land »

University engaged deeply in providing to Luxembourg general public a wide range of cultural and scientific offer.