

European Schools

Office of the Secretary-General

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Draft Report on European Baccalaureate 2014

BOARD OF GOVERNORS

Meeting on the 2, 3 & 4 December 2014 - OSGES Brussels

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Annexes :

Annex I – Overall results of the European Baccalaureate 2014

Annex II – Results of the European Baccalaureate 2014 by subject

ABBREVIATIONS:

European Schools:

AL - European School of Alicante
 BE - European School of Bergen
 Br I - European School of Bruxelles I
 Br II - European School of Bruxelles II
 Br III - European School of Bruxelles III
 CU - European School of Culham
 FR - European School of Frankfurt
 KA - European School of Karlsruhe
 LU I - European School of Luxembourg I
 LU II - European School of Luxembourg II
 MO - European School of Mol
 MU - European School of Munich
 VA - European School of Varese

Accredited Schools:

HE - European Schooling Helsinki
 MA - École internationale de Manosque
 PA - Scuola per l'Europa di Parma
 ST - École européenne de Strasbourg

Languages and Language sections:

BG - Bulgarian	ES - Spanish	IT - Italian	PT - Portuguese
CS - Czech	ET - Estonian	LT - Lithuanian	RO - Romanian
DA - Danish	FI - Finnish	LV - Latvian	SK - Slovak
DE - German	FR - French	MT - Maltese	SL - Slovenian
EL - Greek	GA - Irish	NL - Dutch	SV - Swedish
EN - English	HU - Hungarian	PL - Polish	

Countries and nationalities:

AT - Austria	DK - Denmark	HU - Hungary	LV - Latvia	RO - Romania
BE - Belgium	ES - Spain	IE - Ireland	MT - Malta	SK - Slovakia
BG - Bulgaria	ET - Estonia	IT - Italy	NL - The Netherlands	SI - Slovenia
CZ - Czech Republic	FI - Finland	LT - Lithuania	PL - Poland	SE - Sweden
CY - Cyprus	FR - France	LU - Luxembourg	PT - Portugal	UK - United Kingdom
DE - Germany	GR - Greece			

Subjects:

ar4 - Art (4 hours)	gre - Ancient Greek	l2a - Language II Advanced	maa - Math Advanced
bi2 - Biology (2 hours)	hi2 - History (2 hours)	l3 - Language III	mu4 - Music (4 hours)
bi4 - Biology (4 hours)	hi4 - History (4 hours)	l4 - Language IV	onl - Other National Language
chi - Chemistry	l1 - Language I	lat - Latin	ph2 - Philosophy (2 hours)
eco - Economics	l1a - Language I Advanced	ma3 - Math (3 hours)	ph4 - Philosophy (4 hours)
ge2 - Geography (2 hours)	l2 - Language II	ma5 - Math (5 hours)	phy - Physics
ge4 - Geography (4 hours)			

Introduction

The European Baccalaureate 2014 session was chaired by Mr Kiril Bankov (BG). A total of 1807 pupils from 13 European Schools and 4 Accredited Schools registered for the 55th session of the European Baccalaureate. 18 candidates abandoned the examinations session. 31 candidates failed. Therefore, 50 candidates were not awarded the European Baccalaureate Diploma.

European Baccalaureate 2014 - Participants

Registered	1807
Participated	1789
Abandoned	18
Passed	1758
Failed	31
Not awarded the Diploma	50
Success rate	98,3%
Fail rate	1,7%

European Baccalaureate 2014 – Average marks

Overall Average for the Final Mark	77,3
Overall Average for the Preliminary Mark	78,7
Overall Average for Written Examinations	73,6
Overall Average for Oral Examinations	81,1

146 experts participated in the elaboration of 157 main examination papers and 135 reserve papers. 154 translations were produced. Each examination paper was accompanied by suggested answers, assessment criteria, marking instructions and marking grid. That made up a total of 492 « Copies ready to print » that were approved by the secondary inspectors.

The present report will provide a general overview of the results of the European Baccalaureate 2014. The complete records can be found in the annexes.

1. Organisation

1.1. Quality control

The examinations were organised in 17 schools. Quality control of the 2014 European Baccalaureate session was ensured through the presence of 29 Vice-Chairmen. They supervised the proceedings of the written examinations for 1 or 2 days and also monitored the oral examinations for a maximum of four days in each examination center.

Schule / School / École	Der stellv. Vorsitzende und Qualitätskontrolle / The Vice-Chairmen and Quality Control / Les Vice-Présidents et Contrôle de la Qualité
▶ AL	Ms V.Valiuškeviene
▶ BE	Mr S.Walz
▶ Br I	Mr L.Anastasiades, Mr P.Brzakala, Ms Z.Nyíró
▶ Br II	Ms M.Poznanovič-Jezersek, Ms E.Vermeire, Ms L. van den Bosh
▶ Br III	Ms O.Drápalová, Ms M.Hadley, Ms T.Huisman
▶ CU	Ms J.Handzelová, Ms L.Ó Toole
▶ FR	Ms M.Kitsing
▶ KA	Mr D.Willé
▶ Lux I	Ms K.M.Eckerstorfer, Ms E.Gonzáles Medina, Mr K.Leszczynski
▶ Lux II	Ms M.Adamovic, Mr L.Damkjaer, Mr G.Mifsud
▶ MO	Mr N.Venžega
▶ MU	Ms H.Coelho
▶ VA	Ms D. Saccardo
▶ HE	Ms M.Kalogridou
▶ MA	Ms K.Nilsson
▶ PA	Ms A.-D.Petrache
▶ ST	Mr E.Ries
▶ Accompanying the Chairman	Ms Z.I.Sofronieva

1.2. Inspectors responsible for the different subjects

SUBJECT	LANGUAGE	INSPECTEUR RESPONSIBLE FOR THE SUBJECT	
ART		Ms K. NILSSON (SE)	
BIO		Mr E. RIES (LU)	
CHIM		Mr E. RIES (LU)	
ECO		Ms Z.I. SOFRONIEVA (BG)	
EL ANC.		Ms M. KALOGRIDOU (GR)	
GEO		Ms Z.I. SOFRONIEVA (BG)	
HIST		Ms H. COELHO (PT)	
LI	BG	Ms Z.I. SOFRONIEVA (BG)	
	CS	Ms O. DRÁPALOVÁ (CZ)	
	DA	Mr L. DAMKJAER (DK)	
	DE	Mr S. WALZ (DE) & Ms K.M. ECKERSTORFER (AT)	
	EL	Ms M. KALOGRIDOU (GR)	
	EN	Ms M. HADLEY (UK)	
	ES	Ms E. GONZÁLEZ MEDINA (ES)	
	ET	Ms M. KITSING (ET)	
	FI	Ms T. HUISMAN (FI)	
	FR	Mr D. WILLÉ (FR)	
	HU	Ms Z. NYÍRŐ (HU)	
	IT	Ms D. SACCARDO (IT)	
	LT	Ms V. VALIUŠKEVIČIENĖ (LT)	
	LV	Mr N. VENŽEGA (LV)	
	MT	Mr G. MIFSUD (MT)	
	NL	Ms L. VAN DEN BOSH (NL) & Ms E. VERMEIRE (BE)	
	PL	Mr K. LESZCZYŃSKI (PL)	
	LI	PT	Ms H. COELHO (PT)
		RO	Ms A.-D. PETRACHE (RO)
		SK	Ms J. HANDZELOVÁ (SK)
SL		Ms M. POZNANOVIČ-JEZERSEK (SI)	
SV		Ms K. NILSSON (SE)	
LII, III, IV		DE	Ms K.M. ECKERSTORFER (AT) & Mr S. WALZ (DE)
	EL	Ms M. KALOGRIDOU (GR) & Mr L. ANASTASIADES (CY)	
	EN	Ms M. HADLEY (UK) & Ms L. Ó TOOLE (IE)	
	ES	Ms E. GONZÁLEZ MEDINA (ES)	
	FI	Ms T. HUISMAN (FI)	
	FR	Mr D. WILLÉ (FR)	
	GA	Ms L. Ó TOOLE (IE)	
	IT	Ms D. SACCARDO (IT)	
	MT	Mr G. MIFSUD (MT)	
	NL	Ms L. VAN DEN BOSH (NL) & Ms E. VERMEIRE (BE)	
	PT	Ms H. COELHO (PT)	
	SV	Ms K. NILSSON (SE)	
LATIN		Mr D. WILLÉ (FR)	
MATH		Mr P. BRZAKALA (BE)	
MUS		Mr N. VENŽEGA (LV)	
ONL	FI	Ms T. HUISMAN (FI)	
	GA	Ms L. Ó TOOLE (IE)	
	MT	Mr G. MIFSUD (MT)	
	SV	Ms T. HUISMAN (FI)	
PHILO		Ms E. VERMEIRE (BE)	
PHYS		Mr P. BRZAKALA (BE)	

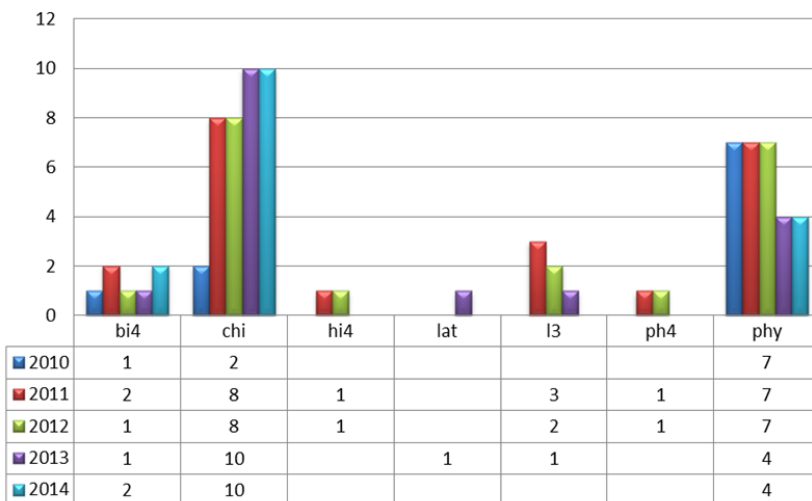
1.3. Structure of the examinations

The Baccalaureate reform entered into force in the year 2014. All candidates sat 5 written examinations and 3 oral examinations.

5 written examinations	LI – basic <u>or</u> advanced course
	LII – basic <u>or</u> advanced course
	Mathematics–3 periods or 5 periods course
	Two 4 period options
3 oral examinations	LI – basic <u>or</u> advanced course
	LII – basic <u>or</u> advanced course or History 2 p. or 4 p. (if not chosen as written examination) or Geography 2 p. or 4 p.(if not chosen as written examination)
	1 subject chosen by the pupil among the 2-period compulsory subjects and the 4-period options or Advanced Mathematics (compulsory for pupils who took this course).

1.4. Organisation of additional written examinations

Additional Written Examinations



Article 13 of the Arrangements for Implementing the regulations for the European Baccalaureate establishes that candidates may be allowed to sit for an additional written examination of an option subject.

Admission may be authorised only if supporting documents are provided in order to show that an examination in this subject is part of the conditions for admission to the higher education course on which the pupil wishes to enrol.

In 2014, 16 pupils registered for an additional written examination. In all cases it concerned scientific subjects.

1.5. Number of pupils who registered for the 2014 Bacallaureate session

The number of candidates who registered for the 2014 Bacallaureate examination session, by school and by language section, can be seen in the following table:

Ling. Section	AL	BE	BR I	BR II	BR III	CU	FR	HE	KA	LU I	LU II	MA	MO	MU	PA	ST	VA	Total
DA			13								23							36
DE	19		21	27	26	15	26		37	29	11		6	73			21	311
EL					44						20							64
EN	25	19	46	48	58	20	23	4	26	43	24	6	20	21	8	12	28	431
ES	21		21		39					17								98
FI				18			5		6									29
FR	16	13	93	79	61	12	17	4	20	35	40		8	14	4	22	17	455
HU				11														11
IT			22	24			12				25			13	23		32	151
NL		17		23	25					19			34	7			9	134
PL			16							6								22
PT				21						15								36
SV				16						13								29
Total	81	49	243	256	253	47	78	13	83	183	143	6	68	128	35	34	107	1807

1.6. Candidates with special needs

Pursuant to Article 1.3. of the Arrangements for implementing the Regulations for the European Bacallaureate, candidates with special educational needs may qualify for special arrangements for the taking of their examinations.

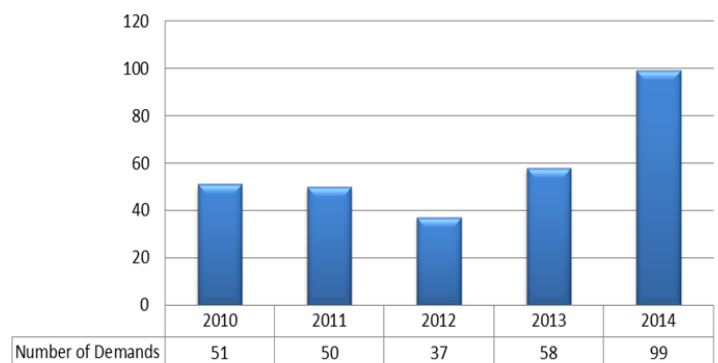
Appropriate arrangements were made for 99 pupils with special educational needs (an increase of 53% from the year before).

The number of such requests over the past five years appears in the table on the right.

These are the most common special arrangements that were granted:

- 10 minutes' extra time per examination hour.
- 10 minutes' extra time for preparation of the oral examinations.
- Use of a computer without a spellchecker.
- Presence of a reader and presence of a scribe.

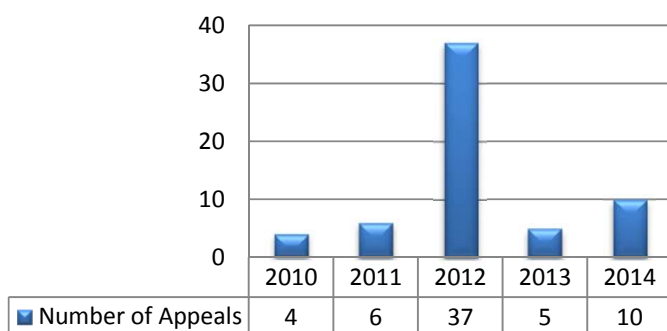
Candidates with Special Educational Needs



1.7. Administrative and contentious appeals

In accordance with Article 12 of the Arrangements for implementing the Regulations for the European Bacculaureate, an administrative appeal may be lodged with the Chairman of the Bacculaureate Examining Board.

Number of Appeals



The appeal may only concern a procedural irregularity.

Under Article 12.2. of the same Arrangements for the Regulation “*There is a procedural irregularity when the provisions taken by the Board of Governors and the Board of Inspectors as to the European Bacculaureate are not observed*”. In the absence of irregularity, the administrative appeals shall be rejected.

The table on the left shows the number of appeals lodged over the past five years.

- **Administrative appeals**

Of the 1788 candidates who took part in the examination session 2014, 10 lodged an administrative appeal, 9 of them showing disagreement with the marks obtained in the final examinations, written or oral. These cases, not based on procedural irregularity, have been rejected by the Chairman of the Bacculaureate.

- **Contentious appeals**

Administrative decisions taken on the appeals referred to in Article 12 may be the subject of a contentious appeal. Contentious appeals can be lodged before the Complaints Board by the candidate himself or by his/her legal representatives, if they are minors.

Two contentious appeals were lodged before the Complaints Board in the 2014 Bacculaureate session.

An appeal against the low mark obtained for the written Chemistry examination due to typing errors in the examination paper was finally dropped because of the satisfactory interim measures proposed (an adaptation of the mark for the written examination and the recalculation of the final mark).

A second appeal against the final Bacculaureate mark waived the decision of the President of the Board of Examiners who subsequently issued a new decision.

* At the end of European Bacculaureate 2012 a collective appeal was launched against the results in the written Chemistry examination. Some of the people who had signed the collective appeal also made an individual appeal. The total number of appeals thus includes all these appeals as well as the ones not related with the Chemistry examination.

2. Analysis of the 2014 Bacculaureate results

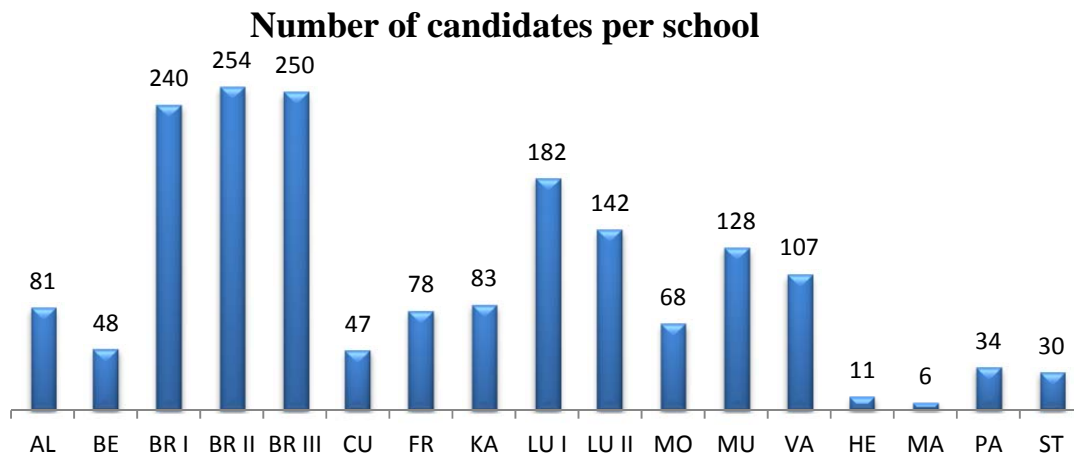
2.1. Participation in the examinations by school and by language section

Of the 1807 pupils registered for the Bacculaureate at the start of the 2013-2014 school year, 1789 actually took part in the examinations, 18 pupils having given up their studies in mid-year or during the Bacculaureate session.

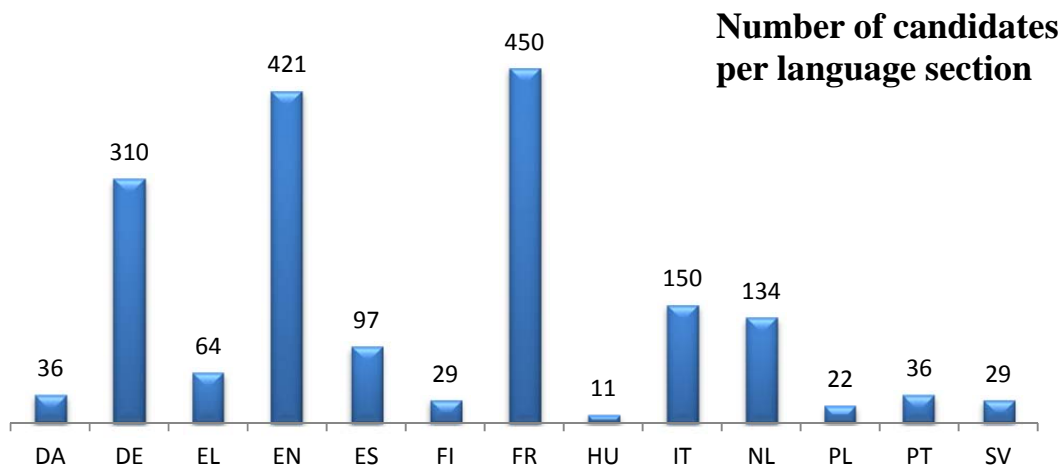
17 candidates were partially absent for illness during the written and/or oral examinations and had to take substitute examinations in June 2014. 11 candidates were absent due to participating in National Examinations.

One candidate was allowed to take part in an extraordinary session in September 2014 due to personal circumstances.

The largest number of Bacculaureate candidates per school came from the European School of Brussels II (254).



The largest number of Bacculaureate candidates per language section can be found in the French language sections, with 450 candidates, followed by candidates from the English sections (421) and the German sections (310).

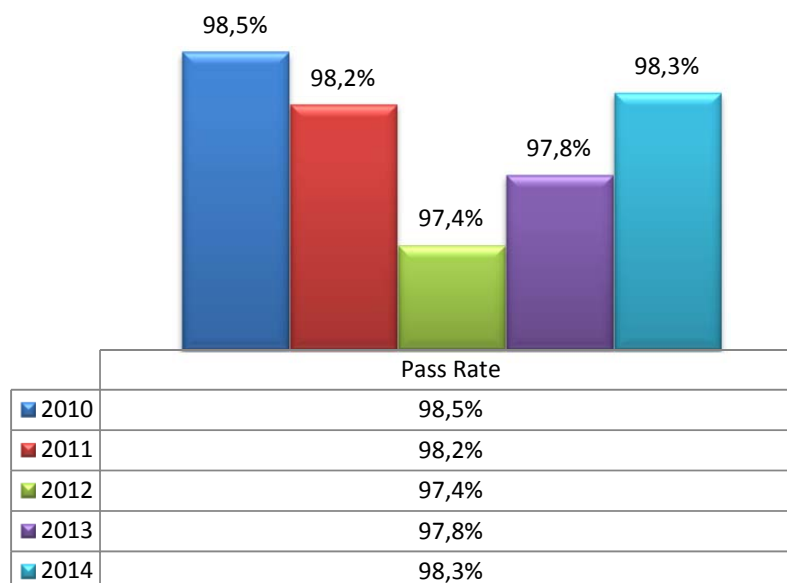


2.2. Success rate

A comparison over five years of success rates shows that the situation is relatively stable.

School	2010	2011	2012	2013	2014
AL	100,0%	100,0%	97,0%	96,7%	100,0%
BE	97,9%	89,4%	92,7%	95,2%	97,9%
Br I	99,0%	99,1%	98,8%	97,9%	98,8%
Br II	99,6%	98,1%	94,9%	94,2%	97,6%
Br III	99,5%	96,9%	97,8%	99,0%	100,0%
CU	98,3%	96,3%	100,0%	100,0%	100,0%
FR	100,0%	100,0%	100,0%	100,0%	98,7%
KA	95,9%	97,5%	97,4%	98,6%	98,8%
LU I	97,3%	99,2%	97,8%	97,8%	95,6%
LU II				99,1%	97,2%
MO	100,0%	95,4%	95,1%	96,3%	98,5%
MU	96,7%	100,0%	98,1%	100,0%	100,0%
VA	99,0%	100,0%	100,0%	97,5%	96,3%
HE				100,0%	100,0%
MA				100,0%	100,0%
PA	100,0%	100,0%	90,9%	100,0%	97,1%
ST					96,7%
TOTAL	98,5%	98,2%	97,4%	97,8%	98,3%

Success rates 2010-2014



The following table shows the success rate in the different language sections. This year, the success rates by language section ranged between 88,9% and 100 %. Due to small numbers of candidates in some sections the results are not always statistically comparable.

Success rate by language section

Language section	Number of pupils	Passed	Success rate
DA	36	36	100,0%
DE	310	306	98,7%
EL	64	63	98,4%
EN	421	414	98,3%
ES	97	96	99,0%
FI	29	29	100,0%
FR	450	442	98,2%
HU	11	11	100,0%
IT	150	147	98,0%
NL	134	132	98,5%
PL	22	21	95,5%
PT	36	32	88,9%
SV	29	29	100,0%
Total	1789	1758	98,3%

The following table shows the pass rate in the different schools:

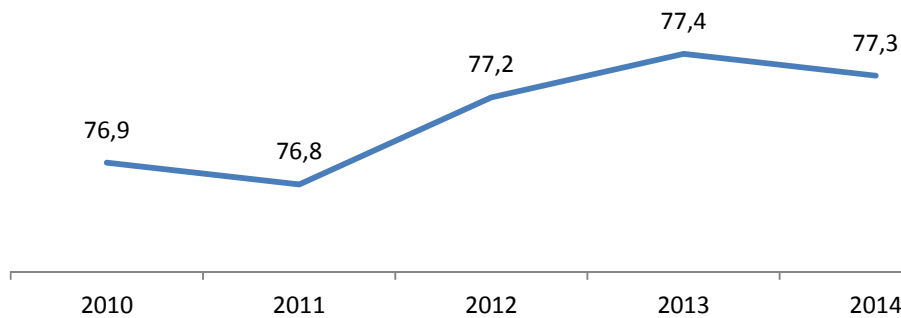
Success rate by school

School	Candidates	Passed	Success rate
AL	81	81	100,0%
BE	48	47	97,9%
Br I	240	237	98,8%
Br II	254	248	97,6%
Br III	250	250	100,0%
CU	47	47	100,0%
FR	78	77	98,7%
KA	83	82	98,8%
LU I	182	174	95,6%
LU II	142	138	97,2%
MO	68	67	98,5%
MU	128	128	100,0%
VA	107	103	96,3%
HE	11	11	100,0%
MA	6	6	100,0%
PA	34	33	97,1%
ST	30	29	96,7%
TOTAL	1789	1758	98,3%

2.3. Average Final Marks

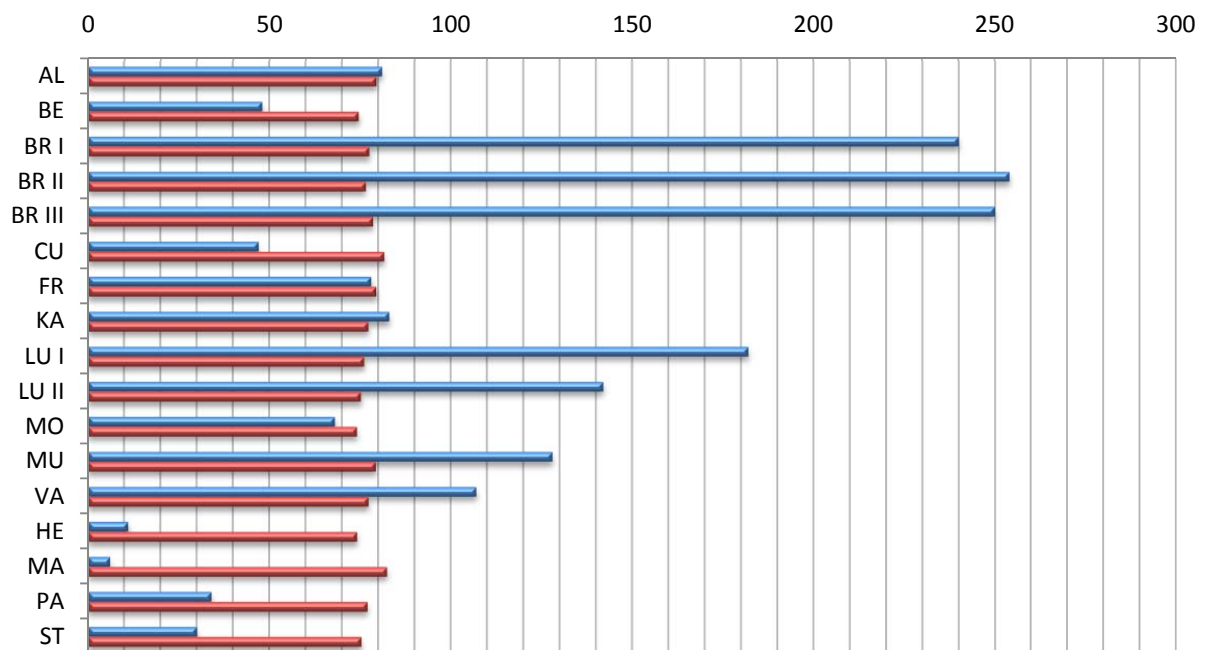
The average Final Mark of the European Bacallaureate 2014 session was 77,3. In the last five years we can observe stability.

Overall average Final Mark in the past five years



The average Final Mark per school ranged between 74,1 and 82,4.

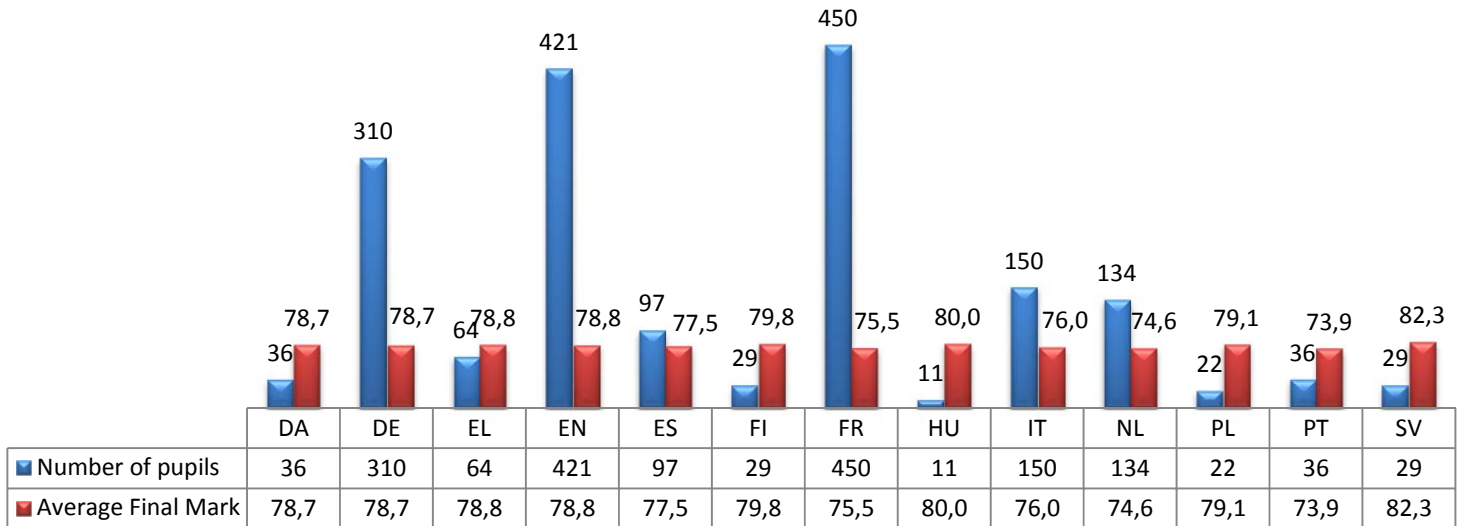
Average Final Mark per school



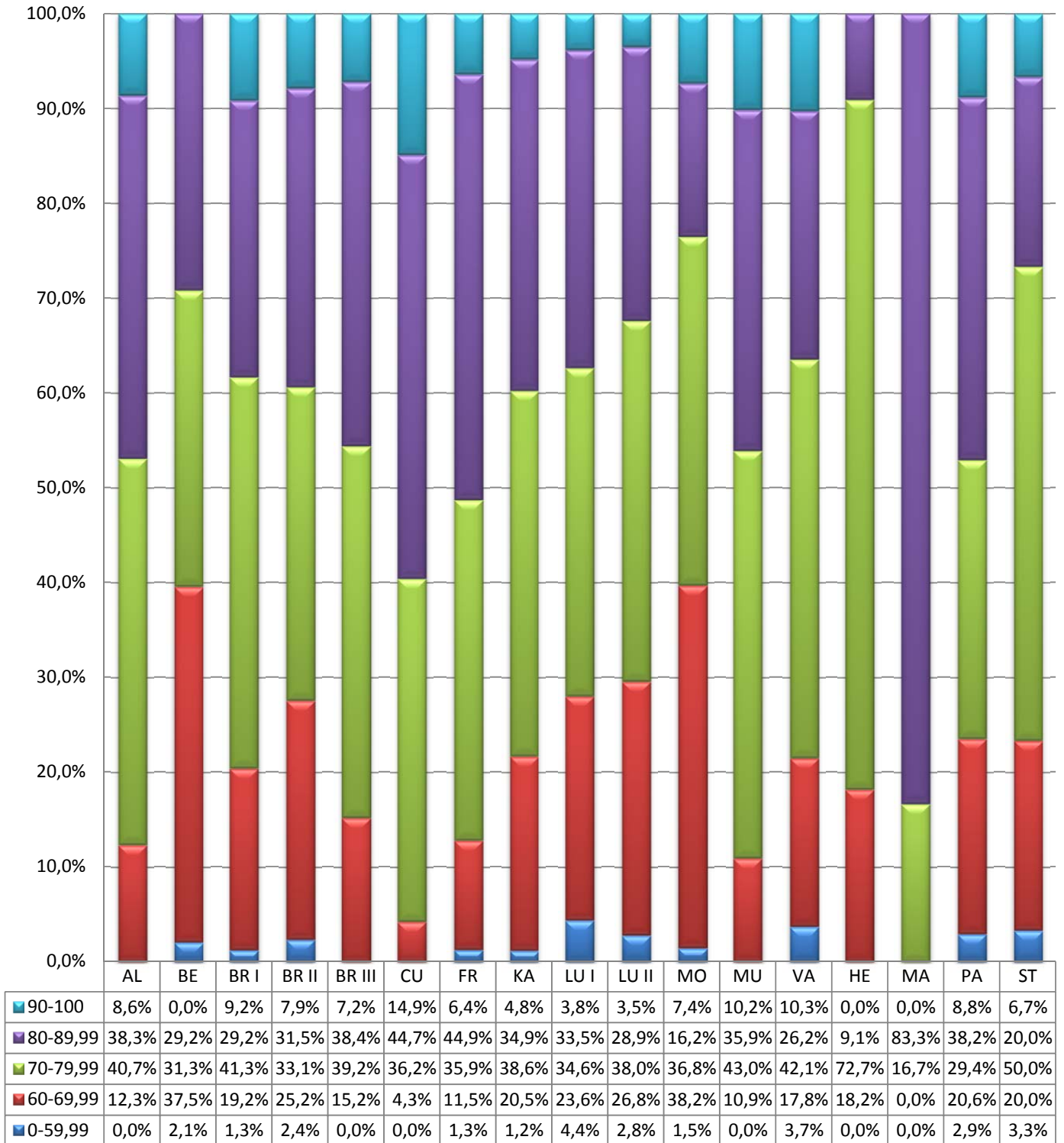
	ST	PA	MA	HE	VA	MU	MO	LU II	LU I	KA	FR	CU	BR III	BR II	BR I	BE	AL
■ Number of pupils	30	34	6	11	107	128	68	142	182	83	78	47	250	254	240	48	81
■ Average Final Mark	75,3	77,0	82,4	74,1	77,3	79,3	74,1	75,2	76,1	77,2	79,4	81,6	78,5	76,5	77,5	74,6	79,5

The average Final Mark per language section ranged between 73,9 and 82,3.

Average Final Mark per language section

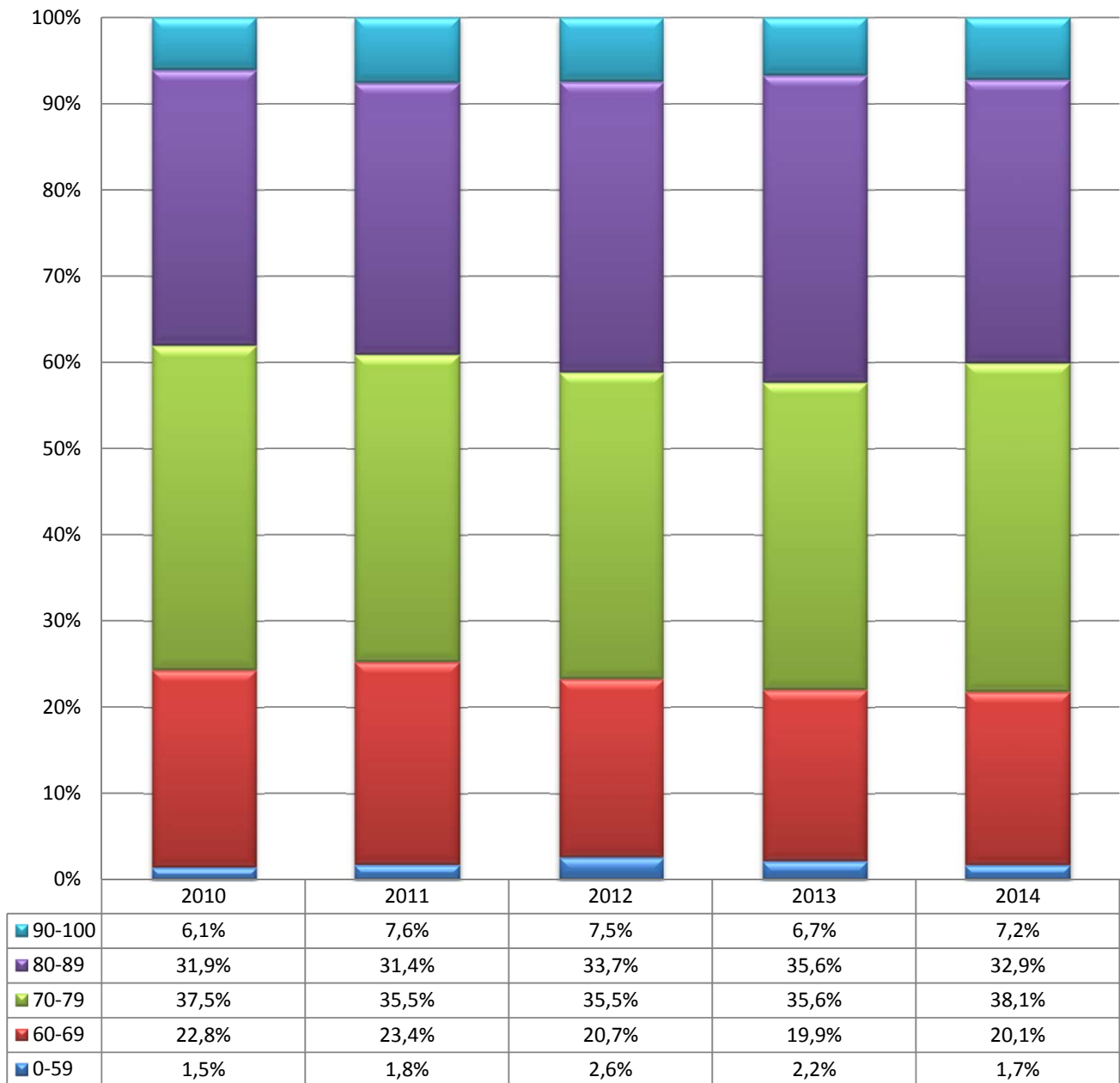


The following table shows the **distribution** of Final Marks in the different Schools:



2.4. Breakdown of final results throughout past five years

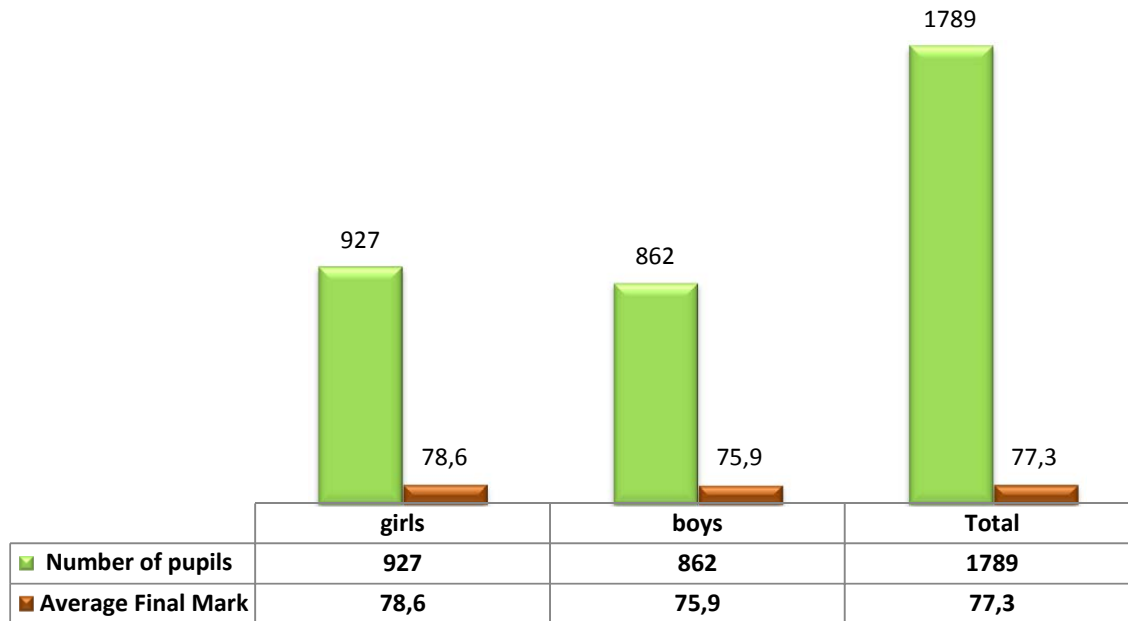
The overview of the results of the past 5 years shows a progressive trend, even though moderate, for the improvement of the overall results.



2.5. Gender differences

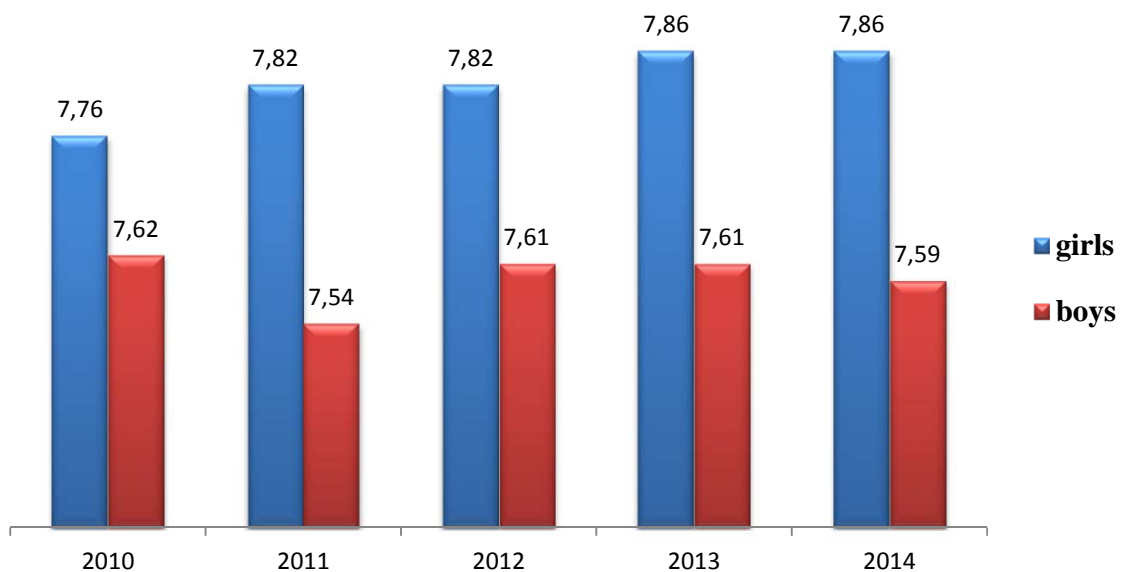
Female candidates score a higher Final Mark as it can be observed in this graph.

Average Final Mark per gender

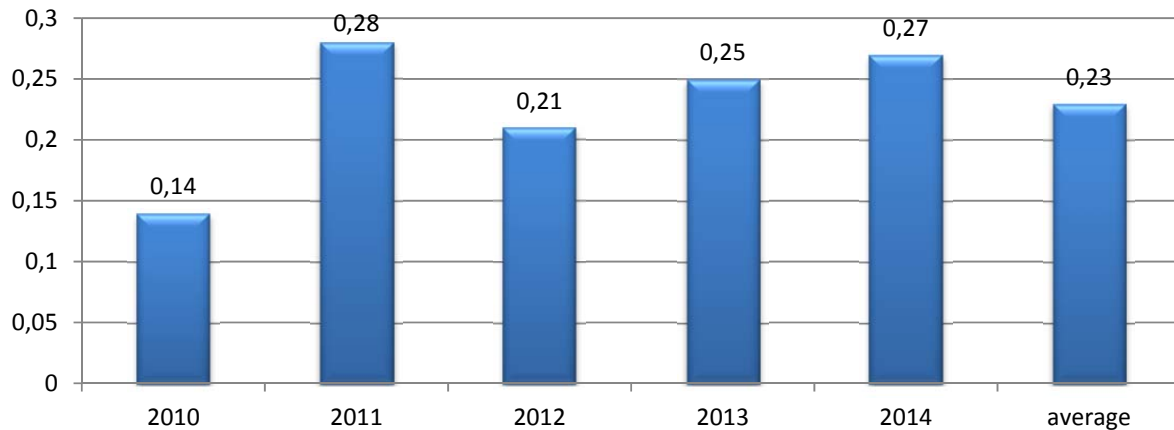


This is a general trend in the last 5 years.

Final Mark average per gender, 2010-2014



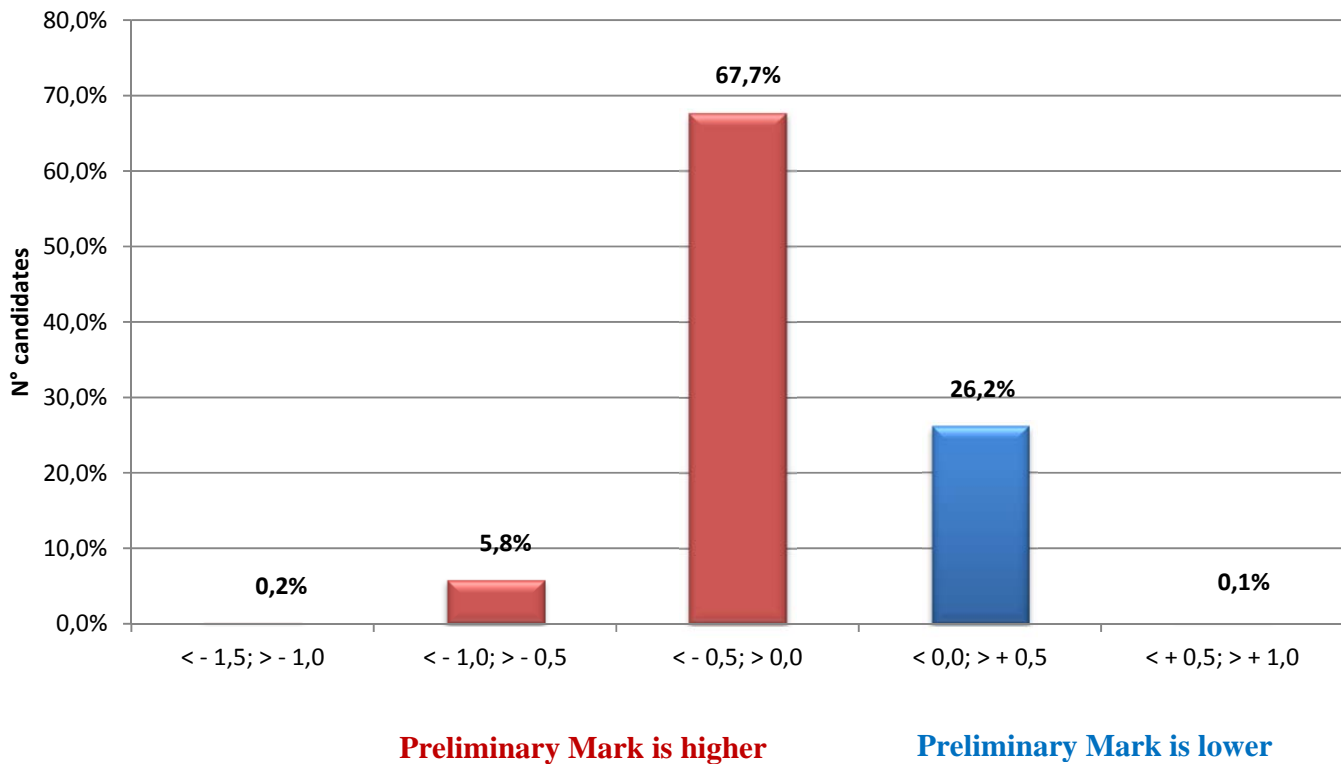
Difference in average Final Marks between genders, 2010-2014



2.6. The Preliminary and Final Marks

The graph below shows differences between the Final Mark and the Preliminary Mark for all pupils who passed the Baccalaureate. A negative difference means that the Preliminary Mark is higher than the Final Mark, and vice-versa.

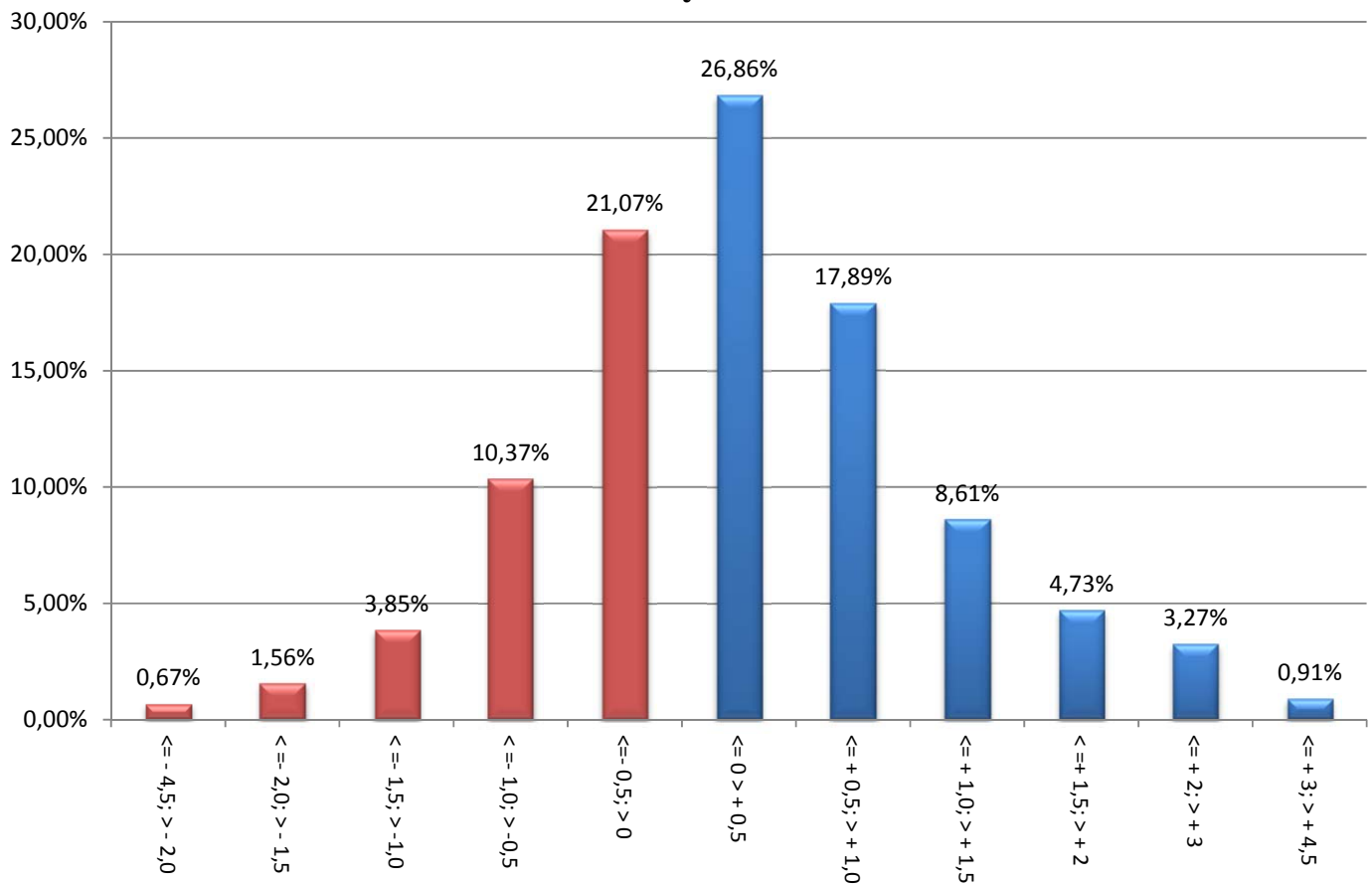
Differences between Preliminary Mark and Final Mark (Ranges)



We can observe that 73,7 percent of the candidates got a higher Preliminary Mark as compared to their Final Mark. However in 67,7 percent of these cases the difference was never bigger than 0,5. If we take in consideration the candidates who got a difference between Preliminary Mark and Final Mark up to 0,5 then we can say that 93,9 percent of the candidates show a maximum deviation of 0,5. Therefore, the Preliminary Mark could be interpreted as a quite accurate prediction of the Final Mark.

2.7. Differences between Preliminary Mark and First Correction

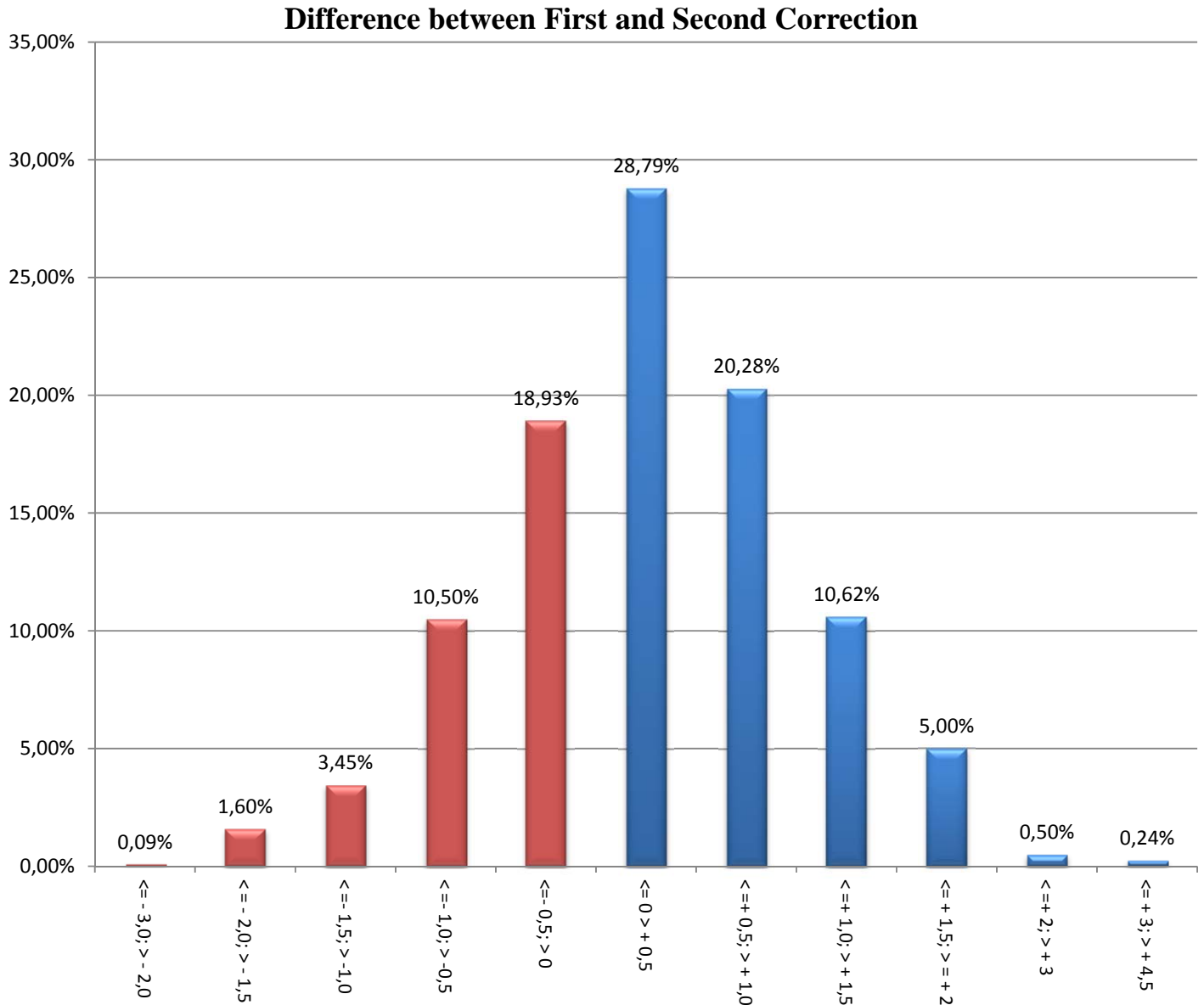
Difference between Preliminary Mark and First Correction



Teacher gave a higher mark in the written examination

Teacher gave a higher preliminary mark

2.8. Difference between the First and Second Correction



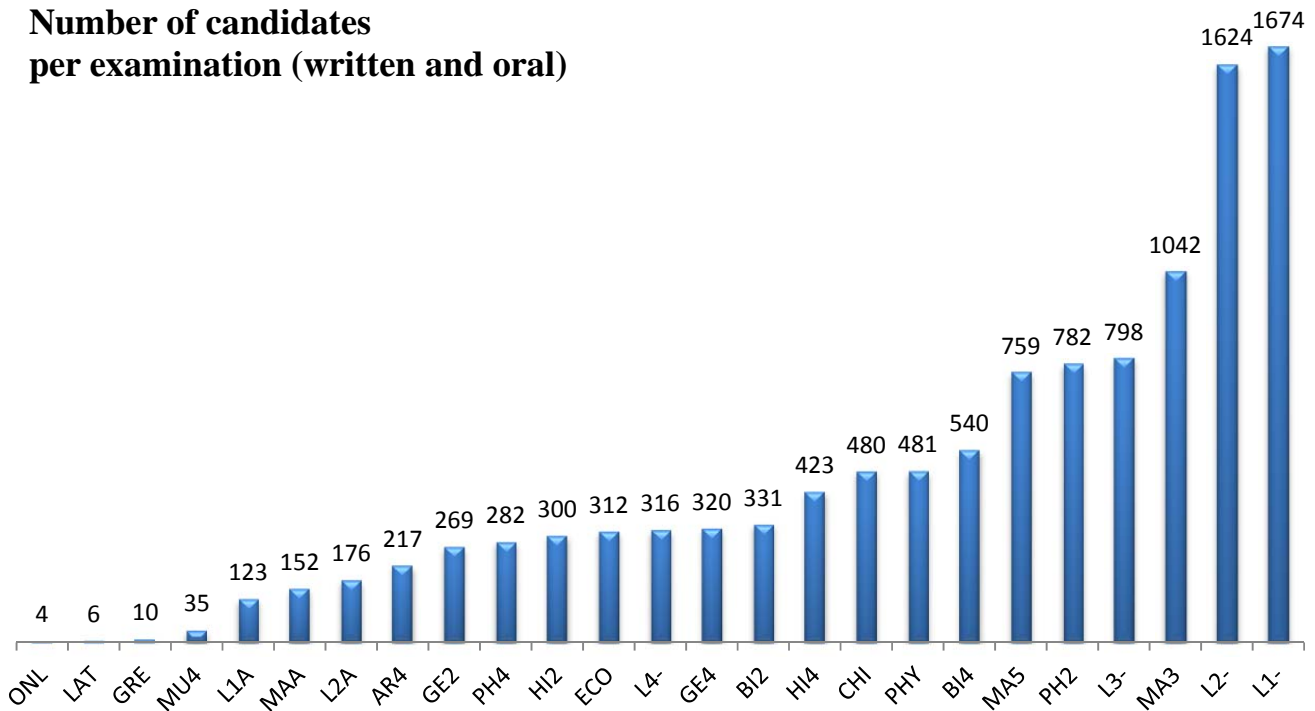
Second corrector gave a higher mark

First corrector gave higher mark

65,43 percent of candidates received higher mark from their first corrector. In 47,72 percent of the cases the difference between the first and second mark in written examinations was of 0,5.

2.9. Most popular examination choices in written and oral examinations

Number of candidates per examination (written and oral)



The five most chosen options for the written examinations this year were: Language III (English LIII being the most popular choice, followed by French and Spanish), Physics, Biology, Chemistry and History. This shows the importance that pupils give to the learning of foreign languages regardless of their academic orientation.

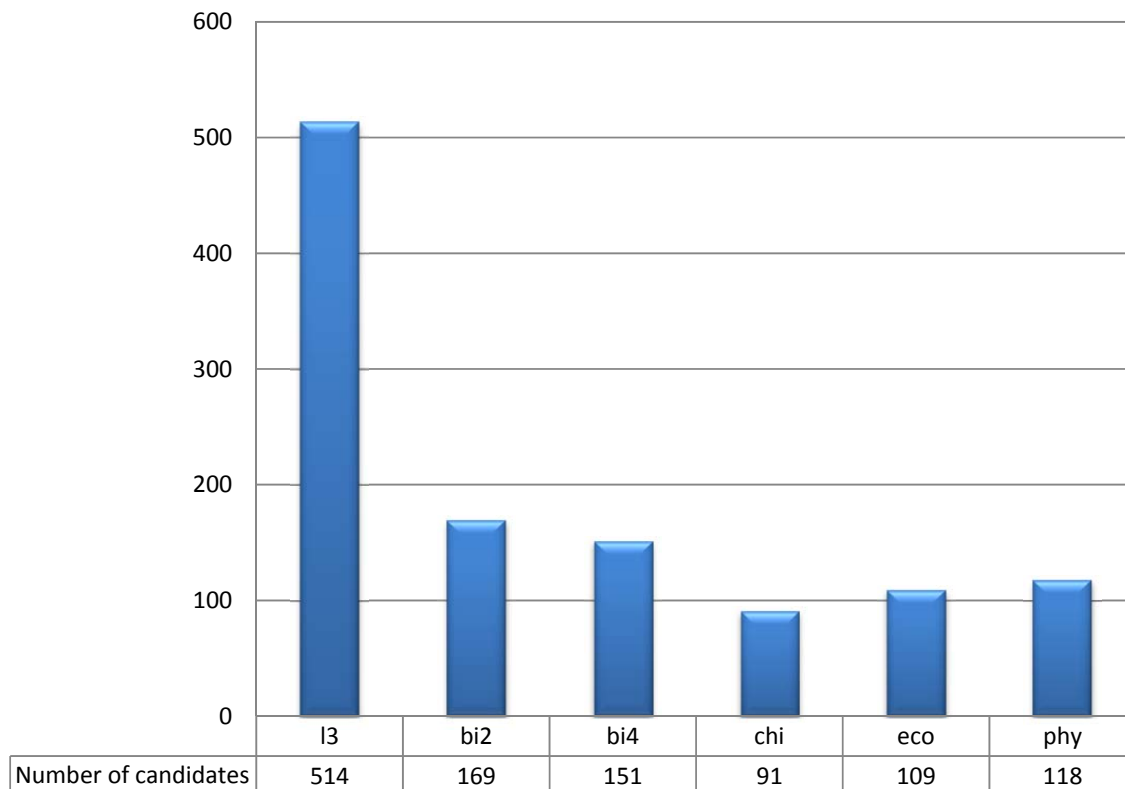
Options of written examinations	Number of candidates BAC 2013	Percentage of candidates BAC 2013	Number of candidates BAC 2014	Percentage of candidates BAC 2014
LANGUAGE III	510	32,60%	573	32,08%
PHYSICS	358	22,90%	467	26,10%
BIOLOGY	352	22,50%	453	25,32%
CHEMISTRY	313	20,00%	445	24,87%
HISTORY	287	18,35%	376	21,02%

The five most widely chosen options for the oral examinations were: Philosophy 2 p., Biology 2 p., History 2 p., Geography 2 p. and Language III.

Options of oral examinations	Number of candidates BAC 2013	Percentage of candidates BAC 2013	Number of candidates BAC 2014	Percentage of candidates BAC 2014
PHILOSOPHY 2P.	518	33,10%	782	43,71%
BIOLOGY 2P.	274	17,50%	331	18,50%
HISTORY 2P.	734	46,90%	300	16,77%
GEOGRAPHY 2P.	767	49,00%	269	15,04%
LANGUAGE III	137	8,80%	224	12,52%

798 candidates took an examination in Language III, written or oral. Out of these 514 combined this examination with an examination in one or more scientific subjects. In this graph we can see a frequency of combination.

Language III candidates: choice of written and/or oral scientific examination

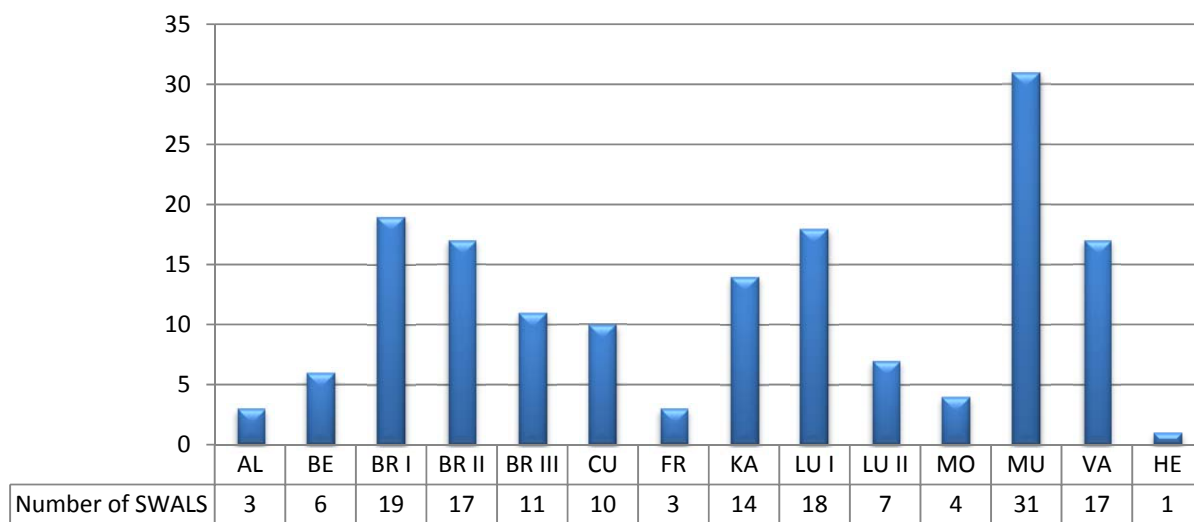


2.10. Students Without A Language Section (SWALS)

This year, 161 Students Without A Language Section registered for the European Baccalaureate session. 157 pupils sat the examinations.

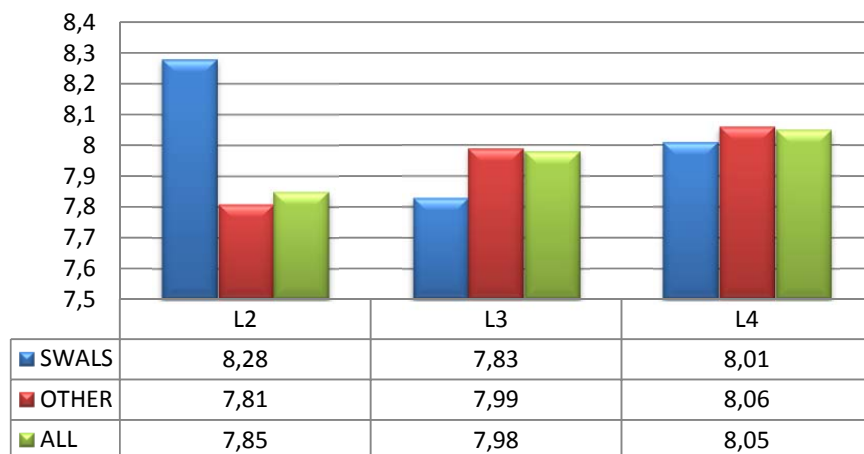
The average Final Mark achieved by SWALS pupils this year came up to 78,8. Three SWALS candidates failed (i.e. a fail rate of 1,9 %).

Number of Students Without A Language Section (SWALS)



In the next graph we can see their performance in Languages II, III and IV. We can observe that their marks in Language II are higher than the average although for the rest of the languages (Language III and IV) are lower.

Final Mark for L2, L3 and L4



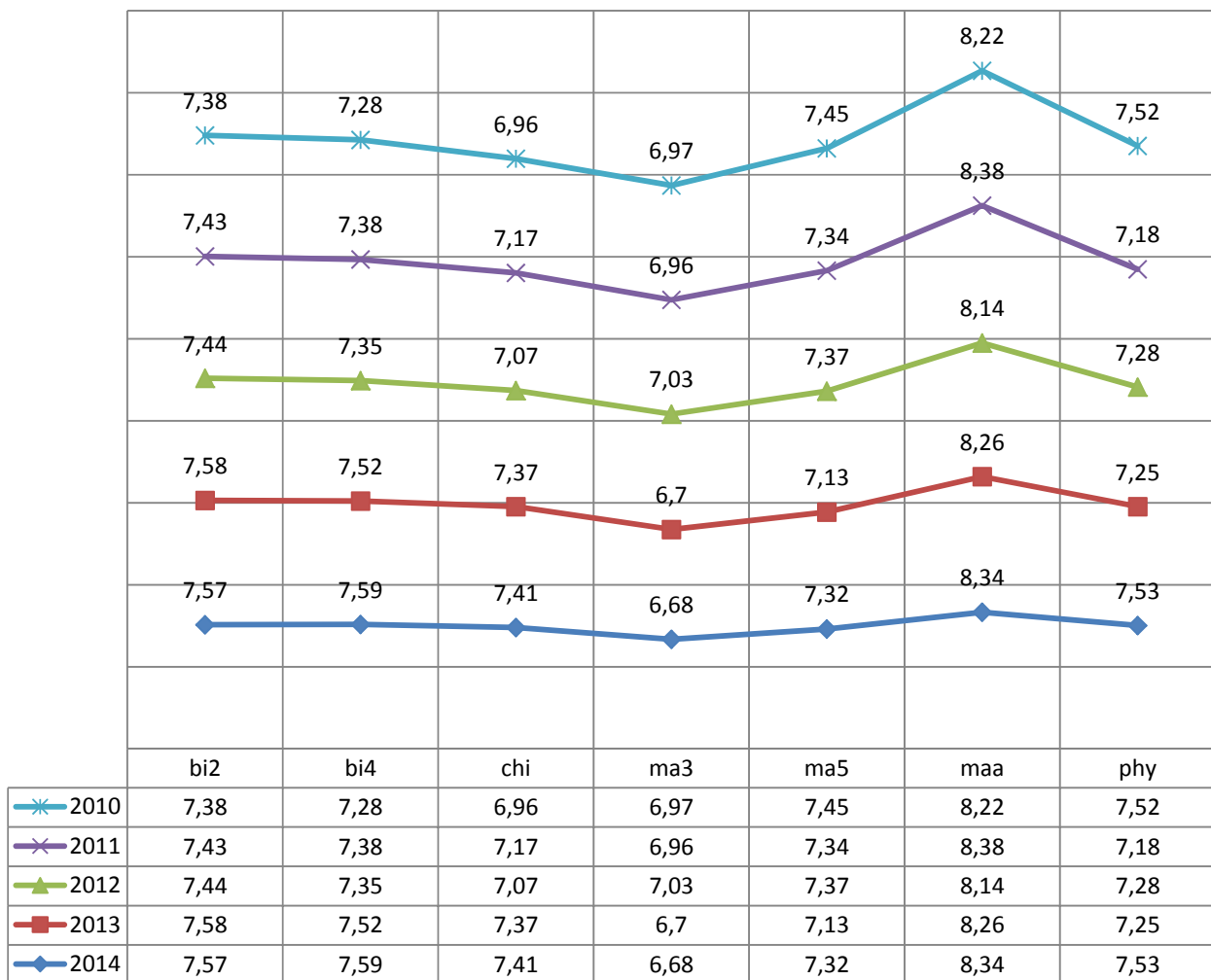
In the following table we can see the performance of SWALS pupils per subject compared to pupils in their language sections. As it can be observed there is no significant deviation of marks even for those subjects taught through Language II (in yellow) where one could expect that SWALS pupils would score higher.

Subject	bi4	chi	eco	ge4	hi4	ma3	ma5	maa	ph4	phy
SWALS	7,58	7,57	7,29	7,61	7,41	6,56	7,61	8,85	8,01	8
OTHER	7,6	7,39	7,41	7,63	7,66	6,7	7,29	8,3	8,15	7,5
ALL	7,59	7,4	7,38	7,62	7,64	6,68	7,32	8,34	8,13	7,52

2.11. Final Mark Average for Science Classes

The evolution of the average Final Mark for the science classes as set out in the graph shows stability.

Final Mark Average for Science Classes



2.12. Analysis of the results of courses taught in Language II for pupils who changed it in year 6.

The average Final Mark for Language II was 7,85. The current regulations foresee that pupils may change in the 6th year under certain conditions (see Digest of Decisions of the Board of Governors of the European Schools (ref.: 2014-02-D-14-en-2), Chapter XVIII). The Final Language II Mark of the pupils who chose an examination in Spanish, Dutch or Italian was substantially above the overall average. None of these candidates chose the 4 option course in Geography or History, and only 4 candidates took an oral examination in either Geography 2 or History 2.

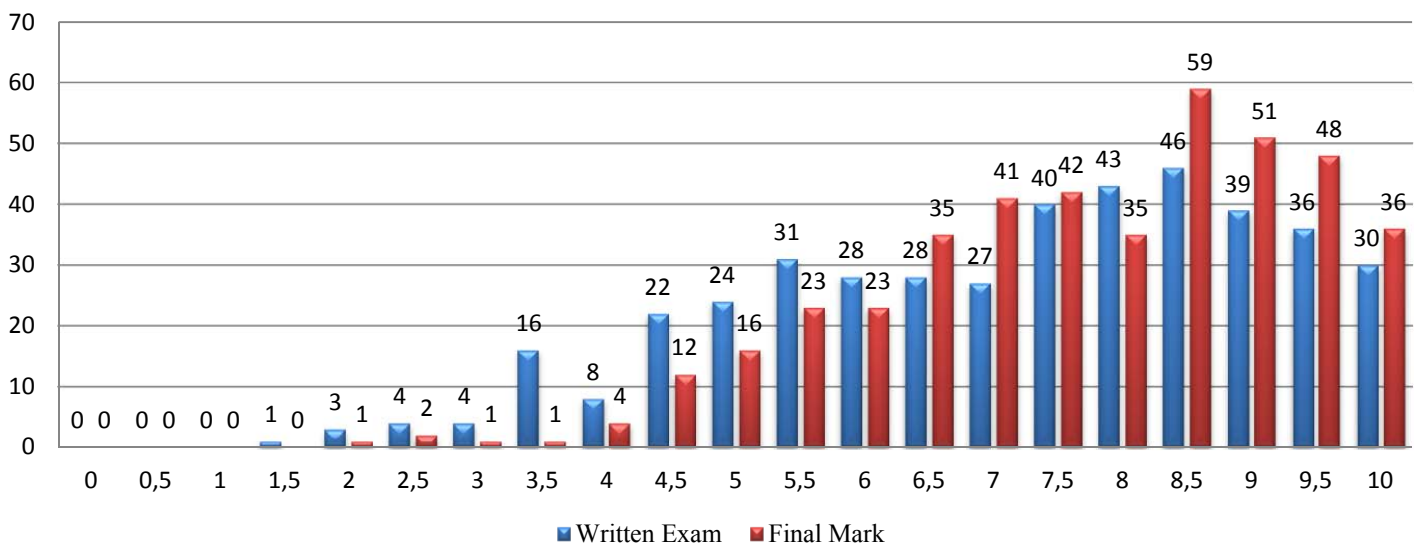
Final Mark per subject

	Pupils who changed their l2							ALL
SUBJECT	DE	EN	FR	ES	IT	NL	Total	
ge2	6,46	7,34	7,11				6,90	7,84
hi2	6,58	5,66	6,99				6,80	7,71
l2-				8,44	7,93	7,79	8,15	7,85
Number of pupils	16	2	30	12	6	6		

It can be observed that their marks in subjects taught through their original Language II is considerably below the average. However, the number of pupils is too small to arrive at statistically significant conclusions.

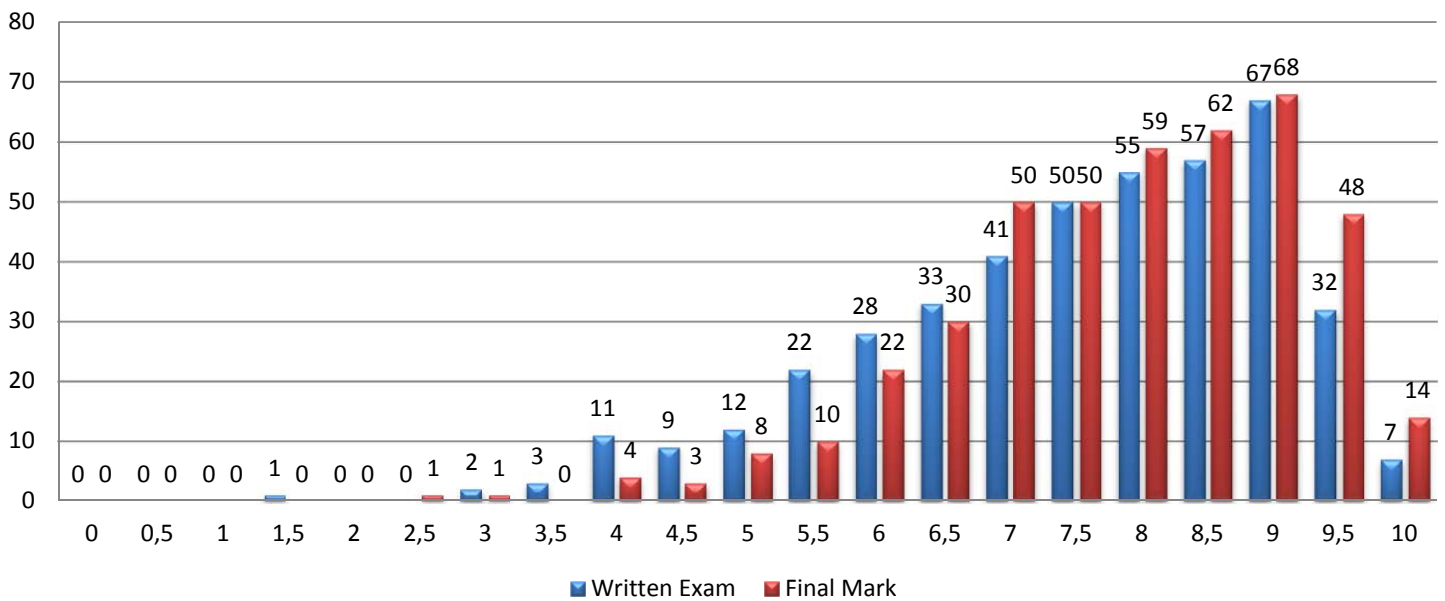
2.13. Analysis of the results of Scientific courses

Comparison of Frequency of Marks Between Chemistry Written Exam and Chemistry Final Mark 2014

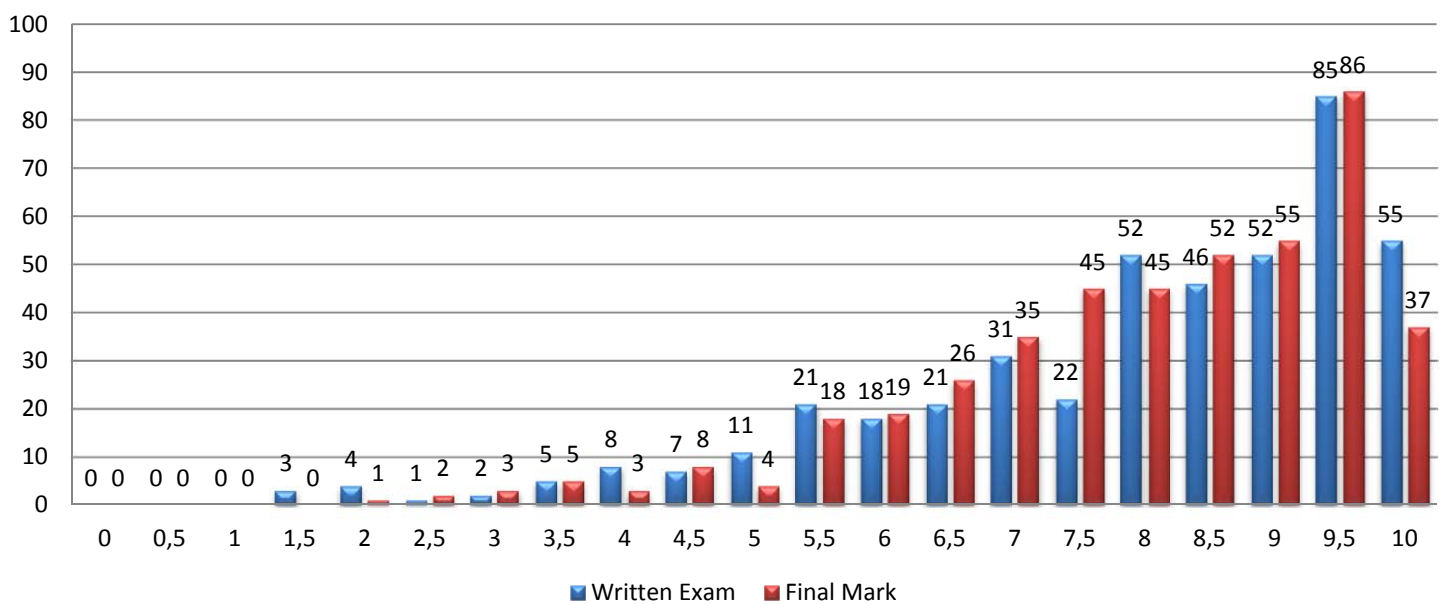


The graph shows that the results in the written Chemistry examination deviate from the overall results. We can observe a group of candidates whose mark ranges between 7 and 10. In this range we can see a typical Gauss curve. However, we have also a big number of pupils whose performance is under the pass mark. This is an atypical distribution with 32 percent of fails in the written examination.

Comparison of Frequency of Marks Between Biology Written Exam and Biology Final Mark 2014



Comparison of Frequency of Marks Between Physics Written Exam and Physics Final Mark 2014



We can see that the number of failures in the Physics written examination is lower, 16 percent, and in Biology , 19 percent, compared to the 32 percent in Chemistry.

The graphs also show more uniformity in Physics and Biology between the written examination mark and the Final Mark.

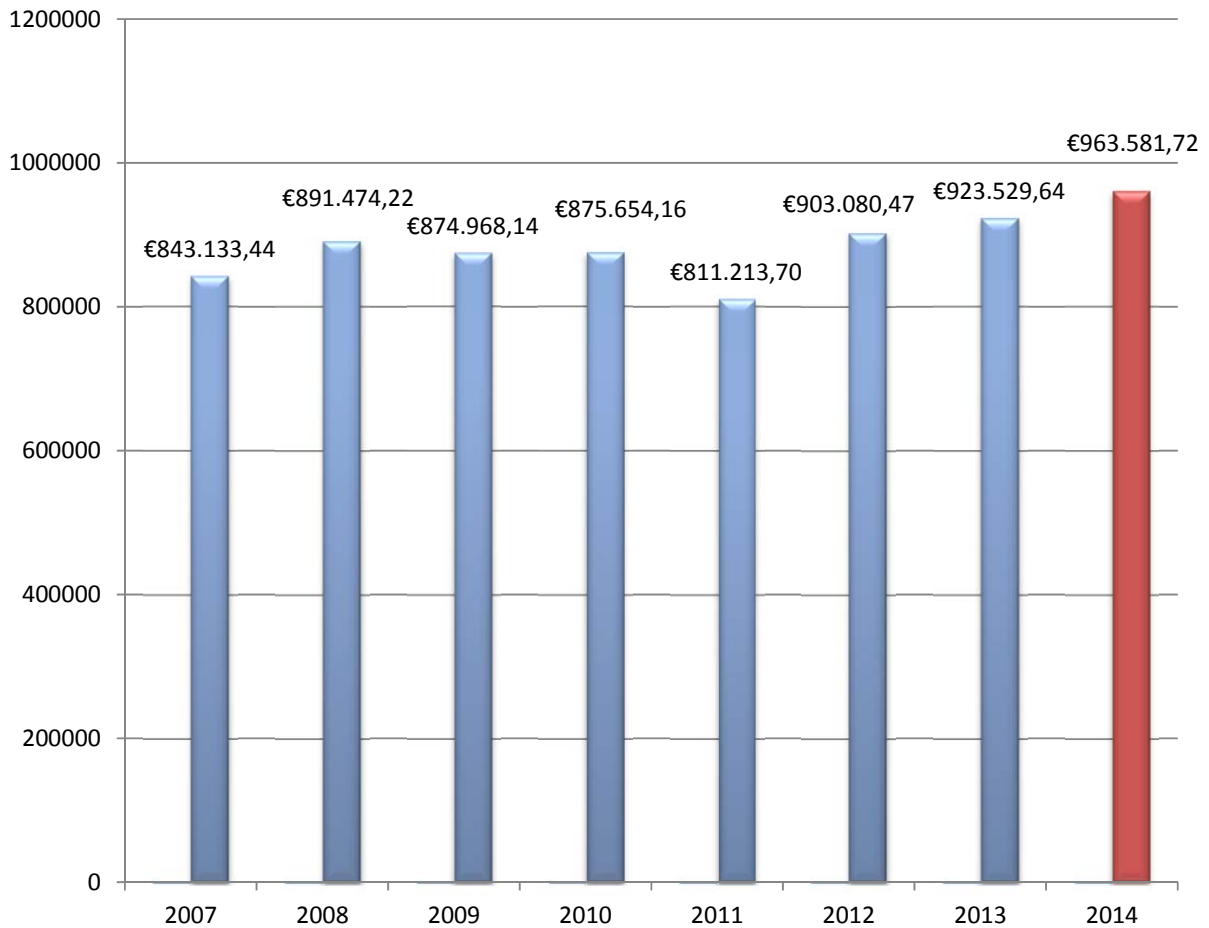
A meeting took place on the 16 and 17 October among the Chemistry experts, Chemistry coordinators and the Inspector responsible to analyse this issue and to propose measures in order to assure the quality and reliability of the Chemistry written examination for the coming Baccalaureate sessions.

3. Costs

3.1 Overall costs

The total cost of the 2014 session of the European Bacallaureate amounts to **€963,581.72**, which represents an average cost of **€ 538,61** per candidate (reminder: **1789** candidates registered for the 2014 session of the Bacallaureate).

The graph below shows the total cost of each session of the Bacallaureate between 2007 and 2014.



The table below breaks down the comparison of overall costs of the organisation of the sessions 2009 to 2014 of the European Bacallaureate

Cost break-down	2009	2010	2011	2012	2013	2014
Reproduction of papers	€ 4,590.60	€ 3,834.89	€ 3,882.34	€ 2,585.52	€ 4,357.34	€4,188.52
Translation of papers	€ 32,000.00	€ 34,000.00	€ 29,069.50	€ 41,203.53	€ 36,138.82	€42,475.41
Elaboration of papers	€ 197,043.50	€ 180,249.78	€ 185,555.21	€ 227,750.25	€ 233,290.87	€223,317.74
Quality control on Orals	-	-	-	€ 10,313.14	€ 9,882.85	€11,906.20
Presentation of the papers to Chair	€ 13,264.90	-	-	-	-	-
Chairmanship (and cost of its vice)	€ 17,530.19	€ 10,225.62	€ 7,108.67	€ 13 486.52	€ 10,063.90	€12,074.03
Presence of vice chairs at the schools during written examinations	€ 29,697.45	€ 9,436.70	€ 9,011.01	€ 9,328.37	€ 11,180.52	€12,028.99
External correctors	€ 214,835.59	€ 228,672.76	€ 229,349.59	€ 230,075.45	€ 241,335.38	€277,875.61
Presence of vice chairs at Brussels I during corrections	€ 22,876.18	€ 29,367.05	€ 23,673.48	€ 23,949.70	€ 28,196.56	€24,658.43
Distance correction	€ 12,367.98	€ 8,348.52	€ 1,189.92	€ 4,105.23	€ 2,830.14	€7,085.69
External oral Examiners	€ 289,613.98	€ 346,213.93	€ 302,548.85	€ 304,803.32	€ 313,077.14	€299,976.42
Presence of vice chairs at the schools during oral examinations	€ 45,909.51	€ 24,333.77	€ 23,760.40	€ 28,263.83	€ 28,584.02	€36,835.02
Transport of papers	€ 9,731.27	€ 8,865.50	€ 8,032.67	€ 7,215.61	€ 6,625.38	€11,159.66
Temporary accountant for the correction period at Brussels I	-	-	-	-	-	-
Total	€ 874,968.14	€ 875,654.16	€ 811,213.70	€ 903,080.47	€ 925,562.92	€963,581.72
Number of Ebac candidates	1491	1512	1476	1489	1564	1789
Cost per candidate	€ 586.83	€ 579.14	€ 549.60	€ 606.50	€ 591.79	€538,61

3.2. Costs related to the elaboration of the examination papers

The total cost for the elaboration of **292** examination papers required for this session of the Baccalaureate (157 main and 135 reserve papers) amounts to **€223,317.74**, i.e. an average cost per paper of **€764.79**.

In the graphic below this cost is broken down by phase.

The **preselection** phase of exam questions deals with meetings where the Inspector, accompanied by a group of experts, analyses the proposals of exam questions sent by the schools and makes a first choice to be included into the main (original) paper and its reserve paper. For scientific papers, only the Inspector and a restricted core of experts (vehicular languages) take part in this meeting.

In the **selection** phase, the Inspector accompanied by his full team of experts, develops the final paper, based on the questions chosen in the preselection phase. For literary subjects, the Inspector produces at this stage the main paper and the reserve paper « **copy ready to print** », suggested answers, correction criteria and instructions and marking grids.

As to science subjects, the selection phase deals with the elaboration of the main (original) paper in one of the vehicular languages. This paper will then serve as original and will be translated into the required languages for the current session. Suggested answers, correction criteria and instructions and marking grids are also prepared. The reserve **papers** are dealt with at a separate meeting.

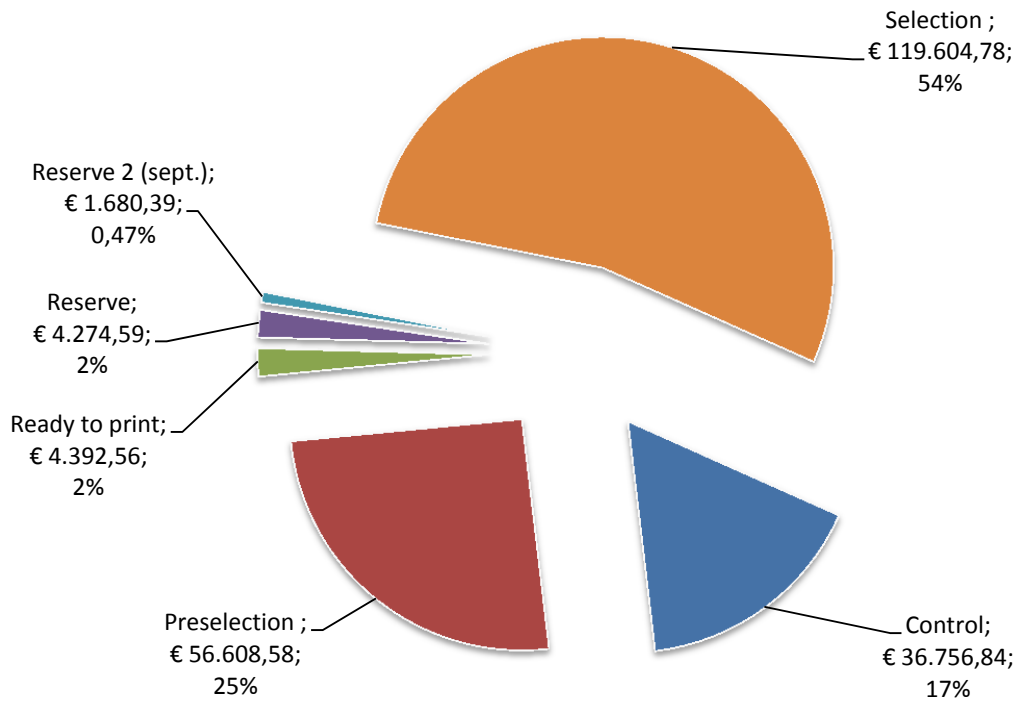
The **monitoring** phase of the papers is dealt with at meetings where the Inspector, accompanied by his complete team of experts, monitors the final paper in detail. The last modifications judged relevant are then added and the paper is considered to be finalised. Each expert adapts his or her language version to the modifications introduced.

The science subjects translated into different languages may require an additional phase called “**Ready to print**”. The Inspector assisted by a limited core of experts runs a final checkup of all language versions. Once this has been done, the Inspector releases the copy “ready to print” for each language version.

Costs related to the phase of the **orals** refer to meetings organised by certain Inspectors with their team of experts in order to analyse the proposals for questions brought in by the schools. This cost is recorded in the final costs of the Baccalaureate, since it is part of the process of organisation and quality control of the Baccalaureate examinations.

In 2014, for the third time, meetings have been organised to analyse the Baccalaureate oral exam questions proposed by the schools. This initiative of the Inspectors has been welcomed and constitutes a valuable element towards the assurance of the quality of the European Baccalaureate.

Costs related to subjects' development: breakdown per phase



Cost breakdown of subjects' elaboration of the Baccalaureate 2014.

Subject	Total	Total copies	Number of language versions	Cost per copy
DE LI	€ 9.080,77	275		€ 33,02
EL LI	€ 397,48	67		€ 5,93
DA LI	€ 619,34	44		€ 14,08
FI LI	€ 694,96	30		€ 23,17
PL LI	€ 1.241,75	25		€ 49,67
BG LI	€ 397,48	15		€ 26,50
HU LI	€ 347,48	14		€ 24,82
LT LI	€ 521,22	13		€ 40,09
SL LI	€ 521,22	9		€ 57,91
CS LI	€ 993,14	8		€ 124,14
ET LI	€ 1.042,44	8		€ 130,31
LV LI	€ 1.489,92	8		€ 186,24
SK LI	€ 173,74	7		€ 24,82
RO LI	€ 347,48	6		€ 57,91
FR LI-LIV	€ 5.762,01	999		€ 5,77
ES LI-LIV	€ 2.787,99	359		€ 7,77
EN LI - LI ADV	€ 3.391,96	313		€ 10,84
IT LI - LI ADV	€ 8.342,13	163		€ 51,18
NL LI-LII	€ 3.070,20	150		€ 20,47
PT LI-LIV	€ 868,70	45		€ 19,30
SV LI + LIV	€ 1.073,25	37		€ 29,01
EL LI Advanced	€ 397,48	14		€ 28,39
EN LII - LIV	€ 3.760,04	1324		€ 2,84
DE LII - LIV	€ 9.542,10	311		€ 30,68
IT LII-LIV	€ 4.048,42	99		€ 40,89
FI LIII	€ 1.712,40	1		€ 1.712,40
SV LIII	€ 601,16	1		€ 601,16
NL LIII-LIV	€ 1.586,15	43		€ 36,89
EL LIII-LIV-Anc	€ 1.192,44	15		€ 79,50
GA ONL	€ 369,53	1		€ 369,53
MT ONL	€ 1.189,92	1		€ 1.189,92
GEOGRAPHY	€ 6.600,03	273	3	€ 24,18
ECONOMICS	€ 4.924,85	310	5	€ 15,89
HISTORY	€ 4.847,00	374	3	€ 12,96
ART	€ 8.375,92	216	6	€ 38,78
PHILOSOPHY	€ 10.808,51	179	8	€ 60,38
MUSIC	€ 6.087,25	35	3	€ 173,92
LATIN	€ 1.993,95	6	2	€ 332,33

Subject	Total	Total copies	Number of language versions	Cost per copy
MATHS 3P	€ 23.971,48	1037	13	€ 22,50
MATHS 5P	€ 20.633,00	752	13	€ 27,44
PHYSICS	€ 19.342,95	469	11	€ 41,24
CHEMISTRY	€ 23.562,47	453	12	€ 52,01
BIOLOGY	€ 24.606,04	452	13	€ 54,44
	€223.317,74	8961		€24,85

3.3. Costs of revision and quality control of oral examinations questions

SUBJECTS	COSTS	Number of pupils taking the oral examination	Cost per oral examination
BIOLOGY	€ 362,12	419	€ 0,86
CHEMISTRY	€ 376,39	20	€ 18,82
DE LI	€ 2.210,60	275	€ 8,04
DE LII - LIV	€ 2.854,21	177	€ 16,13
EN LI	€ 594,96	323	€ 1,84
EN LII - LIV	€ 297,48	897	€ 0,33
ES LI-LIV	€ 585,47	191	€ 3,07
FI LI	€ 173,74	30	€ 5,79
FI LIII-LIV	€ 496,22	2	€ 248,11
GEOGRAPHY	€ 3.004,09	318	€ 9,45
HISTORY	€ 297,48	350	€ 0,85
SV LI + LIV	€ 653,44	35	€ 18,67
	€11.906,20	3037	€3,92

3.4. Costs for the Chairmanship

The costs for the chairmanship also include those related to visits transfer of the Chair of the Examining Board and accompanying vice-chairman during the school year (visits to the European Schools), as well as during the period of the examinations.

Breakdown of chairmanship costs

Visits to schools during school year	€2.585,52
Cost for presence during written examinations	€ 2.470,90
Cost for presence during corrections of written examinations at Brussels I	€ 2.745,27
Cost for presence during oral examinations	€ 3.390,76
Total	€12.074,03

3.5. Correction cost per written examination

During the 2014 session of the Baccalaureate, **14 328** examinations were entered into the ledger, broken down as follows:

- **8 961** written examinations were corrected by **221** external correctors, of whom **39** corrected at distance (distance correction took place when there were only 12 or less than 12 copies to be corrected). A total of **223** copies were corrected at distance (see table below). The total cost for correction of copies this year amounts to **€ 282,581.46**, i.e. an average cost of **€ 31.53** per copy.

Table of Distance correction

Subject	Number of copies corrected at a distance
Art	7
Biology	31
Chemistry	32
Chemistry Reserve	14
Economics	10
Latin	2
LIII	1
LI + LIA	66
Mathematics 3P	13
Mathematics 3P Reserve	1
Mathematics 5P	4
Music	4
ONL MT	1
Philosophy	32
Physics	5
TOTAL	223

Distance correction expenses claimed and paid:

Art	€ 838,61	7	€ 119,80
Biology	€ 297,48	12	€ 24,79
Chemistry	€ 1.338,66	37	€ 36,18
Economics	€ 148,74	10	€ 14,87
L1	€ 892,44	44	€ 20,28
Latin	€ 148,74	1	€ 148,74
Mathematics 3P	€ 446,22	14	€ 31,87
Mathematics 5P	€ 148,74	4	€ 37,19
ONL	€ 148,74	1	€ 148,74
Philosophy	€ 148,74	2	€ 74,37
Physics	€ 148,74	4	€ 37,19
Total	€ 4.705,85	136	€ 34,60

Distance correction expenses not yet claimed but expected:

Subjects	TOTAL	Scripts	Cost per script
Biology	€ 446,22	19	€ 23,49
Chemistry	€ 446,22	9	€ 49,58
L1	€ 297,48	22	€ 13,52
L3	€ 148,74	1	€ 148,74
Latin	€ 148,74	1	€ 148,74
Music	€ 148,74	4	€ 37,19
Philosophy	€ 594,96	30	€19,83
Physics	€ 148,74	1	€ 148,74
Grand Total	€2.379,84	87	€27,35

Average correction cost of 1 copy corrected at distance: €31,77.

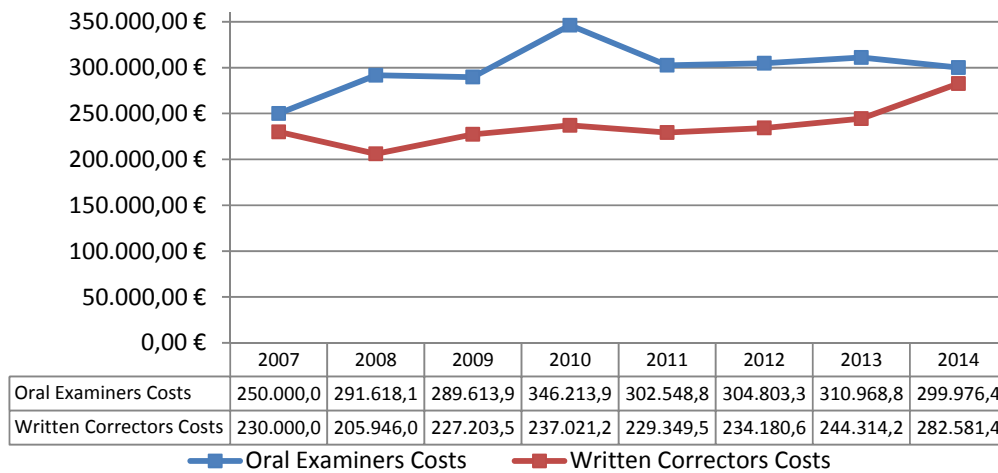
Average cost per exam:

2014 European Baccalaureate session	
Cost per written exam	€ 31,53
Cost per exam corrected at distance	€ 31,77
Cost per oral exam	€ 55,89

3.6. Cost per oral examination

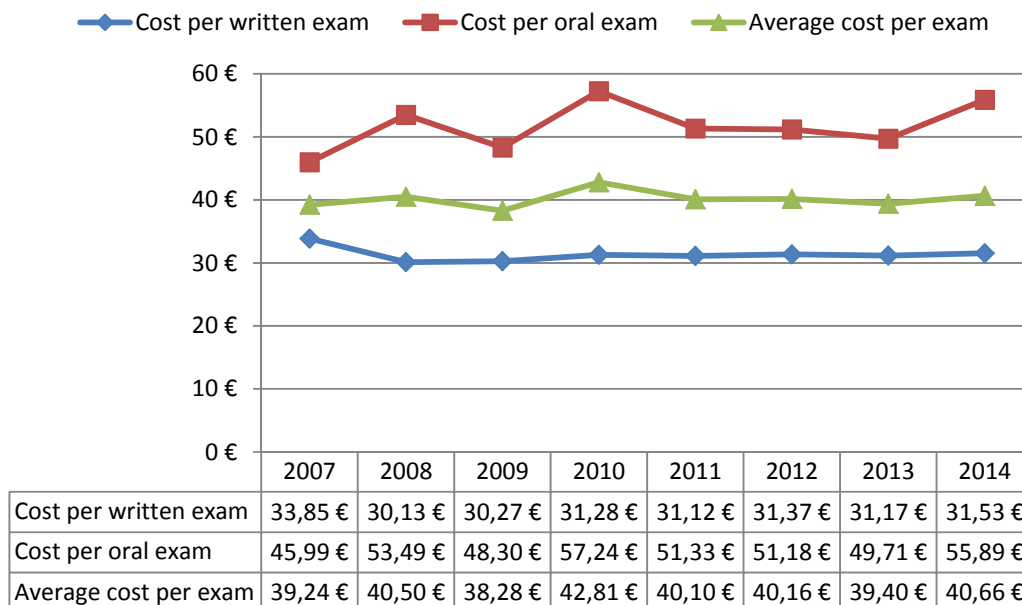
- 188 external examiners handled 5367 oral examinations in 18 subjects, for a total cost of €299,976.42 i.e. an average of €55.89 per oral examination.

Costs Evolution for written correctors and oral examiners 2007-2014



Comparison of average cost of written examinations and oral examinations

Cost Evolution per examination 2007-2014



Average cost of the Baccalaureate examinations was: €40.66.

3. 7. Cost of the Bacculaureate for Accredited Schools: Parma, Helsinki, Manosque and Strasbourg

In keeping with decisions by the BoG of April 2011 (cf. 2011-12-D-17-fr-1 « Rectification to decisions of the BoG meeting of 12-14 April 2011 – 2011-04-D-7-fr-3 »), «as from the 2012 session of the Bacculaureate, accredited schools providing European education shall be billed only at the average cost of the organisation of the European Bacculaureate, by European Bacculaureate pupil, multiplied by the number of pupils enrolled at the examination session. »

For this session, the average cost per pupil amounts to **€538,61**.

35 pupils entered the Bacculaureate 2014 in Parma. This Accredited School will therefore be billed for an amount of **€18,851.35**.

13 pupils entered the Bacculaureate 2014 in Helsinki. This Accredited School will therefore be billed for an amount of **€7,001.93**.

6 pupils entered the Bacculaureate 2014 in Manosque. This Accredited School will therefore be billed for an amount of **€3,231.66**.

34 pupils entered the Bacculaureate 2014 in Strasbourg. This Accredited School will therefore be billed for an amount of **€18,321.74**.

For convenience 's sake, the overall results of the past ten European Bacculaureate sessions are shown in Annexes I and II.

OPINION OF THE BOARD OF INSPECTORS (SECONDARY) AND THE JOINT TEACHING COMMITTEE

During their respective meetings at the 7, 9, 10 October 2014, the Board of Inspectors (Secondary) and the Joint Teaching Committee expressed a favorable opinion on the Draft Report on the 2014 European Bacculaureate.

PROPOSAL

The Budgetary Committee is requested to take note of the Draft Report on the 2014 European Bacculaureate.

OPINION OF THE BUDGETARY COMMITTEE

The Budgetary Committee took note of the Draft Report on the 2014 European Bacculaureate.

PROPOSAL

The Board of Governors is requested to scrutinize and to approve the Draft Report on the 2014 European Bacculaureate.