



European Schools

Office of the Secretary-General

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Analyse des besoins de la 5e Ecole européenne



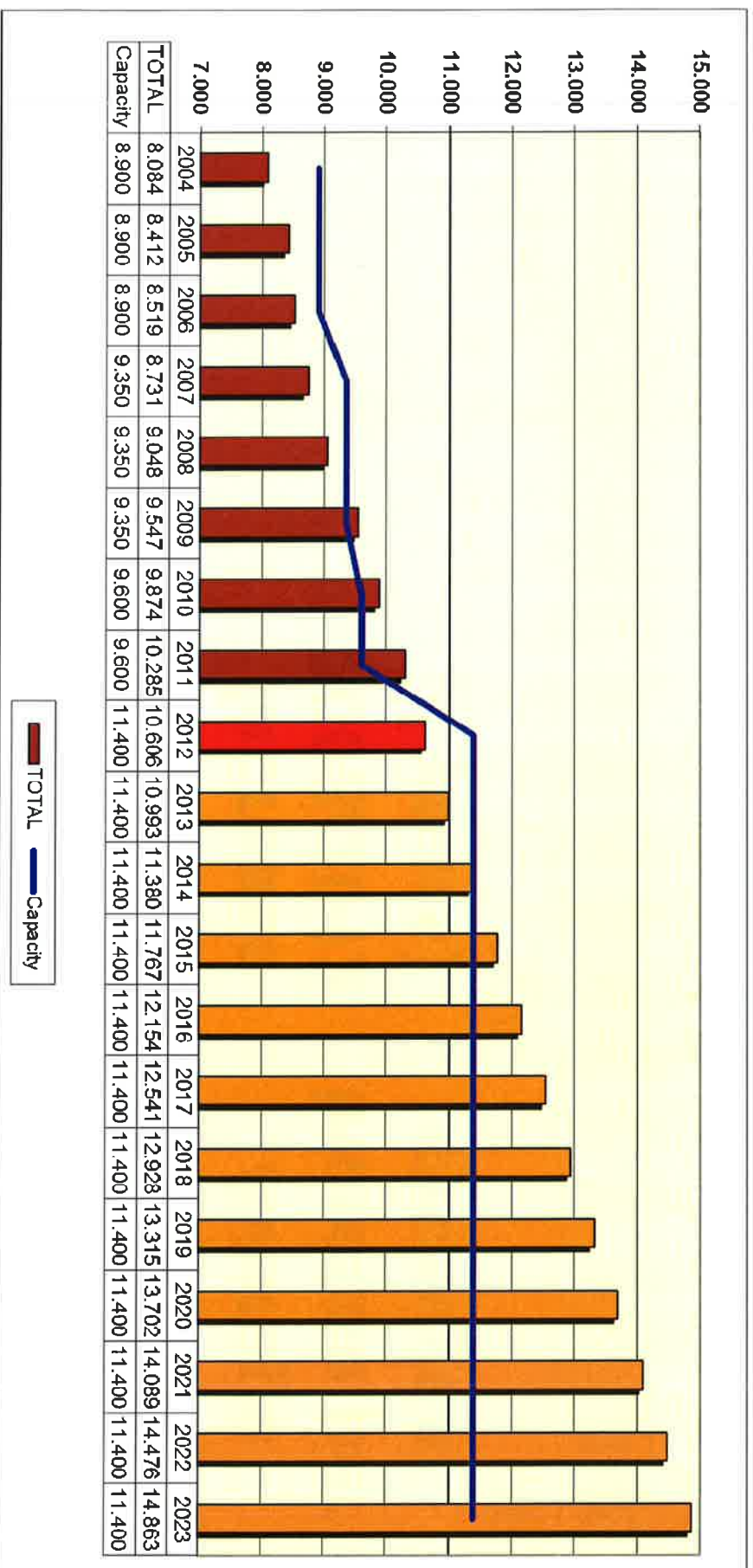
EUROPEAN SCHOOLS IN BRUSSELS

ESTIMATIONS & SIMULATIONS

15.5.2013

ESTIMATED POPULATION GROWTH

School population simulation in Brussels 2004-2023



Average increase by cycle 2008-2012

	Increase 2008/2012 (4 years)	Average increase per cycle/year
Nursery	305	76
Primary	595	149
Secondary	647	162
Total increase	1.547	387

Population increase 2008-2012 by cycle

Cycle	15.10.2008	15.10.2012	Difference	Increase
Nursery	743	1048	+305	41 %
Primary	3338	3933	+595	18 %
Secondary	4978	5625	+647	13 %
TOTAL	9.059	10.606	1.547	17 %

Simulation 2013-2018: increase by school

	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014	2014 - 2015	2015 - 2016	2016 - 2017	2017 - 2018	2018 - 2019
EEB 1	3.074	3.131	3.040	3.100	3.080	3.100	3.120	3.181	3.200
EEB 2	3.089	3.176	3.144	3.100	3.070	3.030	3.000	3.020	3.050
EEB 3	2.902	2.919	2.892	2.851	2.820	2.780	2.810	2.840	2.860
EEB 4	809	1.059	1.530	1.942	2.410	2.857	2.974	3.000	3.018
<i>Berkendael</i>	<i>used by BXL 4</i>	<i>used by BXL 4</i>	<i>used by BXL 1</i>	<i>used by BXL 1</i>	<i>used by BXL 1</i>	<i>used by BXL 1 ?</i>	250	500	800
TOTAL	9.874	10.285	10.606	10.993	11.380	11.767	12.154	12.541	12.928

	EEB 1	EEB 2	EEB 3	EEB 4	TOTAL
<i>Capacity</i>	3.100	2.850	2.650	2.800	11.400

	EEB 1	EEB 2	EEB 3	EEB 4	<i>Berkendael</i>	TOTAL
<i>Capacity</i>	3.100	2.850	2.650	2.800	1000	12.400

Simulation of the population growth

	2012 - 2013	2013 - 2014	2014 - 2015	2015 - 2016	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024
Nursery	1.048	1.124	1.200	1.276	1.352	1.428	1.504	1.580	1.656	1.732	1.808	1.884
Primary	3.933	4.082	4.231	4.380	4.529	4.678	4.827	4.976	5.125	5.274	5.423	5.572
Secondary	5.625	5.787	5.949	6.111	6.273	6.435	6.597	6.759	6.921	7.083	7.245	7.407
TOTAL	10.606	10.993	11.380	11.767	12.154	12.541	12.928	13.315	13.702	14.089	14.476	14.863

- The population in European Schools in Brussels is increasing about 350 - 400 pupils per year.
- The nursery and primary population is growing faster in regards of the planned infrastructure.
- Starting from 1.9.2015 more nursery and primary classes will be needed. Already now, all our nursery and primary premises in all the four schools are fully used.
- The present school infrastructure including Berkendael will be totally saturated starting from September 2019.
- To meet the need of the growth until September 2024, an additional School with the capacity of 1.500 pupils will be needed

ESTIMATED CLASS STRUCTURE EVOLUTION

Average class size

Average class size 2012-2013		
Classes	Population	Average class size
510	10.606	21

Class structure 2012-2013

	Nursery	Primary	Secondary	TOTAL
EEB 1	12	49	85	146
EEB 2	13	57	81	151
EEB 3	13	45	78	136
EEB 4	12	43	22	77
TOTAL	50	194	266	510

Laeken & Berkendael structure when full				
	Nursery	Primary	Secondary	TOTAL
EEB 4	12	50	75	137
BERKENDAEL	12	35	0	47

Potential class structure with Laeken and Berkendael

CLASS STRUCTURE OF EEB 1 - 4 & BERKENDAEL				
	Nursery	Primary	Secondary	TOTAL
EEB 1	12	49	85	146
EEB 2	13	57	81	151
EEB 3	13	45	78	136
EEB 4	12	50	75	137
BERKENDAEL	12	35	0	47
TOTAL	62	236	319	617

CLASS STRUCTURE EVOLUTION

CLASS EVOLUTION*	Nursery	Primary	Secondary	TOTAL
TODAY	50	194	266	510
2015	61	209	291	561
2020	79	244	330	653
2023	90	265	353	708

*Simulation of the evolution of the Class Structure evolution is based on the average of 21 pupils per class

BXL V SPACE PROGRAM

CLASS ROOM NEEDS IN 2015

CLASS ROOM NEEDS WITHOUT BERKENDAEL			
	NURSERY	PRIMARY	SECONDARY
NEEDS FOR 2015	-11	-8	28
NEEDS FOR 2019	-25	-36	-3
NEEDS FOR 2020	-29	-43	-11
NEEDS FOR 2023	-40	-64	-34

The Berkendael School premises would be needed starting from 1.9.2015 as temporary solution for the nursery and primary space problem. It is necessary to place 11 nursery classes and 8 primary classes in the premises.

CLASSROOM NEEDS FROM 2019 ONWARDS

CLASS ROOM NEEDS WITH BERKENDAEL			
	NURSERY	PRIMARY	SECONDARY
NEEDS FOR 2015	1	27	28
NEEDS FOR 2019	-13	-1	-3
NEEDS FOR 2020	-17	-8	-11
NEEDS FOR 2023	-28	-29	-34

- In September 2019 an additional solution to host about 13 nursery classes will be need in addition to the temporary premises of Berkendael

BERKENDAEEL + 66 = 1.000 places

Room type	Berkendaeel	66	TOTAL	Specification
A1	15	8	23	< 46m2 salles pouvant accueillir une classe entière (moins de 24 élèves)
A2	26	7	33	>46 m2 salles pouvant accueillir une classe entière (24 élèves ou plus)
B	2		2	1 à 10 élèves (LS, SEN, SWALS)
C	3	5	8	salles spécialisées : cours artistiques (art - musique) ICT, laboratoires,
SPOR				
T	2		2	SPORT
D	7	7	14	Bureaux et autres locaux : cantine - bibliothèque, infirmière
TOTAL				
L	55	27	82	

BXL V

- The development of the need for the space for nursery classes seems to be predominant, because nursery school infrastructure is rather different than primary and secondary
- The 5th European School has to have a large number of nursery and primary classes
- The growth of the secondary school is easier to cope with the increase of a occupation rate, and by using some primary premises in the four “old” European Schools
- So, the 5th European School could be
 1. A new school with 2.500 school places mainly for nursery and primary
 2. Berkendael + a nursery and primary school for 1.500 pupils.

Simulation of development of Berkendael + 66

BERKENDAEL + 66	Nursery	Primary	Classes
2015	12	8	M+P1
2016	12	15	M+P1-P2
2017	12	22	M+P1-P3
2018	12	29	M+P1-P4
2019	12	36	M+P1-P5
2020	12	36	

Population in 2020		
	Average population per class	Total population
Classes	48	21
		1008

Simulation of possible development of BXL V

BXL V	Nursery	Primary	Classes
2019	13		M
2020	16	8	M+P1
2021	16	16	M+P1-P2
2022	16	24	M+P1-P3
2023	16	31	M+P1-P4
2024	16	38	M+P1-P5

Population in 2024		
Classes	Average population per class	Total population
61	21	1281

