





APPENDIX 1: PYRAMID AND AFRICAN PROFIL

APPENDIX 2: HOW TO READ THE INDICATORS IN THE REPORT?

Educational pyramids

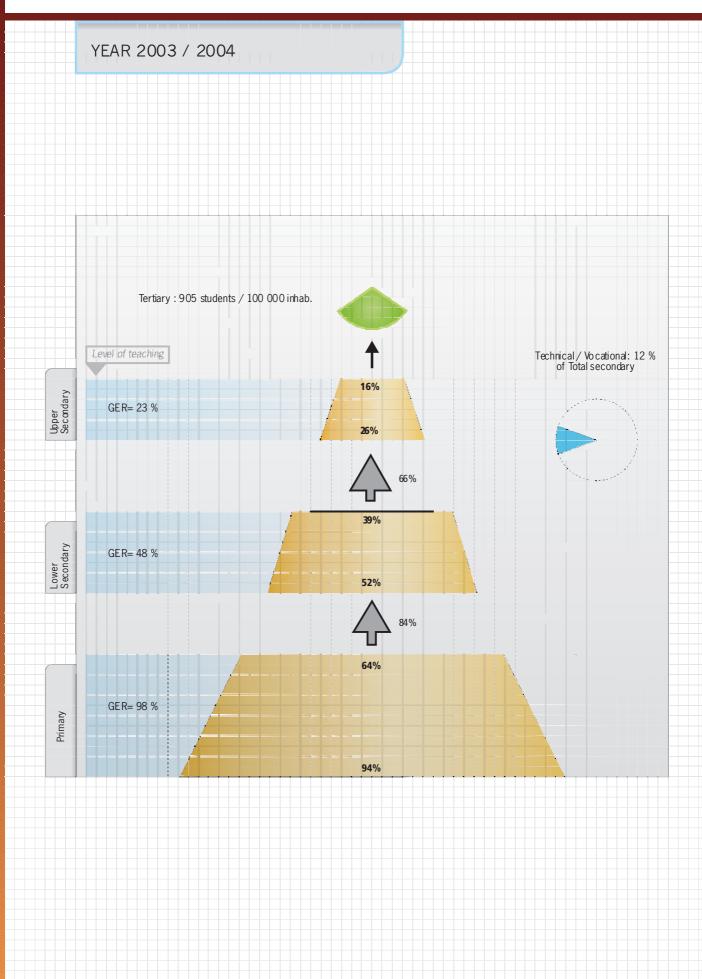
Profiles-countries, regions and Africa

Indicators mentioned in the text and not included in the country profiles

APPENDIX 3: RECAP STATISTICAL TABLES

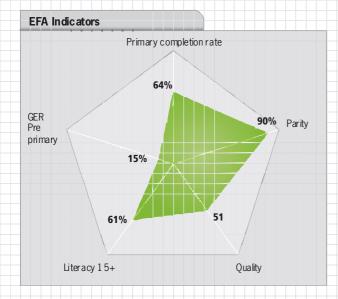
APPENDIX 4: LIST OF ABBREVIATIONS AND ACRONYMS

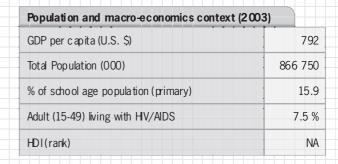
APPENDIX 1 AFRICA | EDUCATIONAL PYRAMID



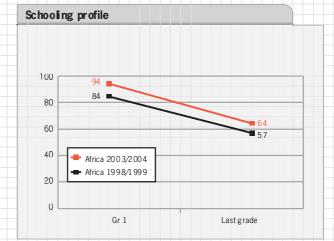
EFA African Developement Index EFA African Developement Index+



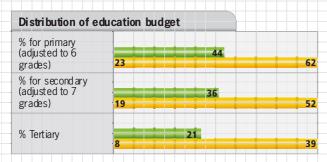


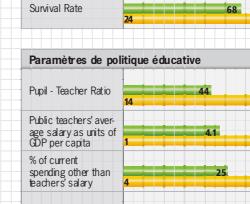


▼ FAST TRACK INDICATORS (PRIMARY EDUCATION)









% of repeaters

Current unit o	ost as % of GDP per capita	
Primary	3	21
Secondary	6 30	65
Tertiary	49 260	791



Inequity in the alk	otment of public resource for education	-
% of res. to the 10% m are	39	
educated people	16 68	3

100

83

40

APPENDIX 2: HOW TO READ THE INDICATORS AND CHARTS ?

Important: unless otherwise stated in the descriptions of the indicators, the average values (for regions or for the African continent) presented in this report are simple arithmetical averages, i.e. each country counts an equal weight within the average, regardless of its size.

Educational pyramids

The educational pyramids (country, region or Africa) give a rough idea of the school coverage for each level of education and the pupil flow from one level to another. The size of the arrows between levels grows alongwith the transition rates. The indicators have been calculated mainly from raw data from the UNESCO Institute for Statistics (UIS), with the exception of countries where teamwork had provided more recent data.

For the regional pyramids and the African pyramid, all the averages have been calculated according to the demographic weighting of each country (the region being considered as a whole).

The educational pyramids contain the following indicators:

Access rate to first grade and access rate to final grade (per level of education)

These are calculated by relating the number of new-entrants (non-repeaters) in the first grade and in the last grade of each level of education to the population of children of the official age for each of these grades. For example, for lower secondary education which lasts 4 years with an entrance age of 12,

Access rate in first grade of lower secondary education (sec1) = $\frac{\text{Non repeaters}_{\text{first grade sec1}}}{\text{Population}_{\text{age }12}}$ Access rate in final grade of lower secondary education (sec1) = $\frac{\text{Non repeaters}_{\text{4° grade sec1}}}{\text{population}_{\text{age }15}}$

For primary education, the access rate in the first grade corresponds to what is known as the Apparent Intake Rate (AIR). When the rate is over 100% (ate or early entrance for some pupils), it is recapped to 100% (access to first grade is considered universal) in the pyramid and in the country profile but the initial figure is given for reference in the recap statistical table in the Appendix 3.

Actual transition rates: For a specific year, this is the number of non-repeaters in the first grade of a level related to the number of non-repeaters in the last grade of the preceding level the year before. In the pyramids, in order to measure transition between primary grade and lower secondary education for example in 2003/04, the following is used:

Actual transition rate $_{prim/socl} = \frac{\text{Non repeaters}}{\text{Non repeaters}} \frac{_{1^{\text{r}} \text{ grade seci } 2003/04}}{\text{Non repeaters}} \frac{_{1^{\text{r}} \text{ grade seci } 2003/04}}{\text{mon repeaters}}$

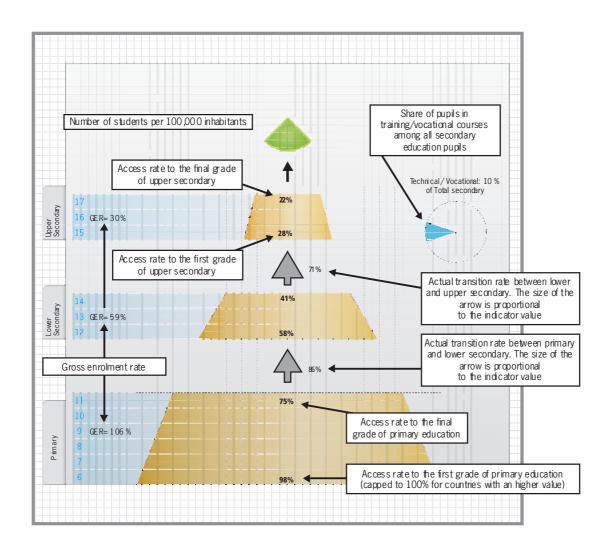
NB. The same indicator is sometimes used, taking the total number of pupils in the final grade of primary school instead of non-repeaters as the denominator; this is known as the apparent transition rate. However, taking into account repeaters, who are especially numerous at the end of primary education, underestimates the actual flow between the two levels. Thus it is preferable to use the actual transition rates, which are more representative of these flows.

% of technical and vocational training: number of pupils following technical and vocational training related to the total number of pupils in secondary education (general, technical and vocational).

Gross enrolment rate (GER) for each level: Number of pupils enrolled in a given level, expressed as a percentage of the population of the official age group for this level of education. For example, for primary school it is calculated as follows:

$$GER_{primary} = \frac{Enrolments in primary}{Official age group population}$$

This indicator can exceed 100% due to repeating and early or late entrance for some children. It is an indicator of the education system's ability to enroll the school-age population.



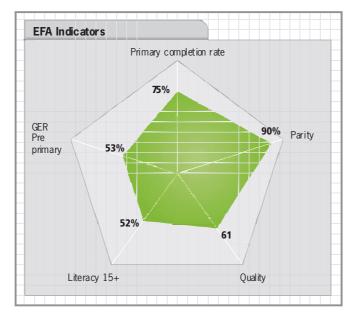
Country, Region and Africa Profiles

The profiles synthetize the current situation of education systems by providing the value of the most important indicators and comparing these to the averages and extreme values (minimum and maximum) observed in the region and in Africa. Whilst in earlier Pôle de Dakar publications, the profiles mainly described the situation in primary education, in this report, the profiles have branched out to cover more fully the other levels of education. They comprise i) the indicators relating to the EFA objectives, ii) indicators of the demographic and macroeconomic context. iii) the indicators of results and education policies for primary education (most of the indicators of the Fast Track initiative indicative framework) on the right of the profile and iv) the financial indicators calculated for the all of the education sector on the left of the profile.

Schooling indicators are taken primarily from calculations made from UIS data (with the exception of countries for which more recent data was available from field work). They refer to the last year available, 2003/04 for most countries, and 2004/05 for those where more recent data is available. Demographic data used corresponds to the last estimates made by the United Nations Population Division (2004 Revision). The financial indicators are taken from various sources (UIS, World Bank, Fast Track Secretariat, CSR, field work) and also refer in their majority to the year 2004 or to the closest year. Dates are not however homogeneous for all countries as it was decided to use the most recent data available for each indicator (which may be different between schooling and financial indicators). This does constitute a limit but it should be noted that this disadvantage is minor insofar as changes in financial indicators from one year to another are always relatively small. The list of indicators in the profiles is detailed below and gives the interpretation and data source for each indicator.

EFA indicators

EFA diamond



The EFA diamond indicates the position of the country related to five EFA objectives on a single chart. The size of the diamond gives a visual indication of the current situation and the efforts needed to achieve these goals. The five EFA indicators presented in the EFA diamond are described aside:

Primary completion rate (PCR): Ratio between the number of new entrants (non-repeaters) in the last grade of study and the number of children in the official age group for that grade, expressed as a percentage. For example, for countries where primary education lasts 6 years, this indicator is the access rate to the sixth grade of study and is calculated as follows:

Primary completion rate =
$$\frac{\text{Non repeaters }_{6^{\text{th}} \text{ grade prim}}}{\text{Official age group population }_{6^{\text{th}} \text{ grade prim}}}$$

The regional and continental averages for this indicator are calculated according to the demographic weighting of each country (the region and the continent are considered as entities).

Source: calculated from UIS and United Nations Population Division data

15+ literacy rate: The proportion of adults able to read and write in the overall population aged 15 and over, expressed as a percentage.

Source: UIS

Girl-boy parity index (parity): Relationship between the gross enrolment rate for girls and the gross enrolment rate for boys in primary education, expressed as a percentage.

Parity index =
$$\frac{\text{Girls GER }_{\text{prim}}}{\text{Boys GER }_{\text{prim}}}$$

Source : UIS

Pre-primary gross enrolment rate: number of children enrolled in pre-primary education expressed as a percentage of the official age group of the population corresponding to this level of education.

$$GER_{pre-primary} = \frac{Enrolment in pre-primary}{Official age group population_{pre-primary}}$$

The regional and continental averages for this indicator are calculated according to the demographic weighting of each country (the region and the continent are considered as entities).

Source : UIS

Quality Index: see Inset 1

EFA and EFA+ African Development Indexes: see Inset 2

The EFA index resumes the position of the country related to three EFA objectives which are Universal Primary Education, girl-boy parity, literacy of the 15+ age group. EFA+ adds quality to these three dimensions for those countries which have a quality index.

Inset 1 - Calculation of the quality index

Some publications use measurements related to enrolment conditions or to school inputs in order to define quality as these are readily available. But if, for example, school input can be an important means of reaching learning results, it is certainly preferable to have an indication of the results themselves rather than considering the means indicators as "proxy" of results indicators. Indeed, studies available reveal significant weaknesses in the connection between means and results in African education systems. As a result, it is preferable to define quality in reference to direct indications of pupil learning, or failing that, to indirect indicators (impact of schooling on literacy in adults) even if it is known that these indicators are not perfect. Thus, the quality index presented in this report is based on two different types of data source: on the one hand, results of the pupils in the different countries to tests handed out in the framework of international monitoring programmes on learning achievement and, on the other hand, household surveys (primarily MICS surveys).

In Afric a, there are (or there were) three main programmes for monitoring pupil learning: the MLA (Monitoring Learning Achievement) implemented by UNESCO and UNCEF, the PASEC (Programme for the Analysis of the Education Systems of CONFEMEN countries) and the SACMEQ (Southern African Consortium for Monitoring Educational Quality) which works in partnership with the IEP. Since 1992, the MLA has helped 72 countries develop or reinforce their system for monitoring learning, especially through surveys carried out on pupils in 4th, 5th and 8th grades. The PASEC programme, concentrated on French-speaking countries, has been carrying out assessments of pupil learning since 1992 (in 2th and 5th grade of primary education). The PASEC assessment has been carried out in around ten countries. Finally, the SACMEQ consortium, created in 1995 and associating the ministries of education from 15 Southern and East African countries, has also made surveys on cognitive learning in most countries in the consortium. Each of these surveys has been carried out with tests handed out to pupils in standard form, enabling in this way the comparison between countries within each survey, which is not possible with the results of national exams. But the tests of the three surveys differ and the results are therefore not comparable between surveys.

Also, household surveys are made in African countries. UNICEF, for example, in partnership with the governments (often the National Institute for Statistics), carried out large-scale standard surveys (often around 20 000 individuals), known as MCS surveys. These surveys (and certain other household surveys) provide information on the schooling of individuals and on their current level of literacy (either that declared by the individuals questioned or, better, measured from a short reading test). Combining the two gives an idea of the impact of the rumber of years schooling on literacy in each country. The initial purpose of primary education being to make individuals literate, the rate of literacy for individuals who have been in school for six years (a full primary level in many African countries) can be seen as a measure of the quality of education received. For example, it is logical to think that an education system producing 90% literate school leavers at the end of primary education provides better quality education than a system where only 50% of primary school leavers are permanently literate. This indicator does not constitute a panacea because the level of literacy of primary school leavers is also influenced by factors exogeneous to the quality of education received, in particular those relating to the national or local context (for example, the frequency of use of languages or the openness towards other countries...). However, empirical studies show a high correlation between this literacy indicator amongst primary school leavers and results obtained by the countries in learning achievement surveys¹. This makes legitimate the use of the literacy indicator as a further measurement of quality.

12 countries have an average PASEC score (French, maths) of fifth grade ², 13 countries an MLA score, 15 countries a SAC MEQ score and 31 countries a literacy indicator for primary school leavers calculated from household survey data. In the end, quality indicators are available for 43 African countries (20 countries have values for one indicator, 18 countries for two and 5 countries for three).

The quality index is calculated then for each country taking the average values of the different indicators available. Insofar as these indicators are not calculated at the start on the same scale (for example the SACMEQ scores vary between 400 and 600 whilst the literacy rate for primary school leavers is a percentage which can potentially extend from 0 to 100%, it is appropriate, before calculating the average, to standardize (centre and reduce to the same standard deviation) each of the indicators. Conventionally, each indicator has been standardized on an average of 50 and a standard deviation of 10° . The standardization formula is as follows:

$$Standardized\ indicator = 50 + 10\ x \ \frac{Indicator\ - Average\ (indicator)}{Standard\ deviation\ (indicator)}$$

The quality index is then the simple average of the standardized indicators. The values obtained can not be interpreted absolutely (they no longer correspond to an average number of items replied to correctly by the pupils) but can be interpreted relatively to rank the countries compared to each other.

¹ For example, the coefficient of determination between the MLA score and the literacy indicator is 0.66.

² The score for 5th grade was chosen as it corresponds more to what has been learnt in primary school than the 2nd grade.

³ With a distribution of data according to a normal law (usual hypothesis for this kind of data), this provides us with 99.9% of countries with an indicator of between 15 and 85.

EFA and EFA+ African development indexes

Inset 2: Calculation of the EFA and EFA+ African development indexes

Methodologically, the EFA African development index is calculated in a similar way to the UNDP Human Development Index, except that in this case all the components are education indicators relative to the Dakar objectives for which a comparable measure between African countries is available.

For each of the three X components of the EFA index, a relative Y measure is calculated as follows:

$$Y = \frac{X_{country} - X_{min}}{X_{max} - X_{min}}$$

where X_{min} and X_{max} respectively represent the minimum and the maximum value of the component on the African continent, and $X_{country}$ the value of the country.

The minimum and maximum values for each component are as follows for 2003/04:

- Primary completion rate: 25% and 100%
- Parity index on the GER: 67% and 100% (see explanation below).
- 15+ age group literacy rate: 19% and 92%

For example, if the primary completion rate for a country is 50, the relative value will be equal to : $\frac{50 - 25}{1.00 - 25} = 0.36$

It should be noted that for the parity in dex, taking into account the beneficial effect on human development of an over-enrolment of girls, all countries presenting a disparity in this respect (index over 100%) are considered as having reached the Dakar objective. They therefore use, for the calculation, the value of 100 which thus becomes the maximum reference value.

The EFA African development index is then calculated by taking the average of the three relative values and multiplying the result by 100.

EFA Afric an development index = Average (Y1, Y2, Y3) x 100,

with Y1 = relative value of the Primary Completion Rate, Y2 = relative value of the parity index (GER girls/GER boys) and Y3 = relative value of the over 15 literacy rate.

This is illustrated below taking South Africa as an example:

	Primary completion rate	GER parity index	15 + literacy rate		
Values (X)	97	97	82		
Relative Values (Y)	0.960	0.909	0.863		

The EFA development index for South Africa is therefore :
$$100 \times \frac{0.960 + 0.909 + 0.863}{3} = 91.1$$

It is also possible for some countries to calculate the EFA+ index which takes into account the quality dimension in addition to the three components making up the EFA index. The minimum and maximum values for the Quality Index are 28 and 69 respectively.

The EFA+ African development index = Average $(Y1,Y2,Y3,Y4) \times 100$ with Y4= relative value of the Quality Index

For South Africa, the relative value of the Quality Index is $\frac{48-28}{69-28} = 0.488$

And therefore, the EFA+ index is :
$$100 \, \text{x} \, \frac{0.960 + 0.909 + 0.863 + 0.488}{4} = 80.4$$

The regional and continental averages for the EFA indexes are simple arithmetical averages of the indexes for the different countries.

¹ The fact that the minimum and maximum values may vary with time does constitute a disadvantage for comparability of the index over time, but this choice is certainly preferable to that of setting invariable minimum and maximum values insofar as it is highly possible that a country or several countries will be outside the min-max interval that would have been set.

Population and macro-economics context

Gross domestic product (GDP) per capita: Internal revenue of the country (sum of added values of resident economic units + taxes net of subsidies) divided by the total population, expressed in US dollars of 2002.

The regional and continental averages for this indicator are calculated according to the demographic weighting of each country (the region and the continent are considered as entities).

Source: World Development indicators 2005

Percentage of the school age population: Proportion of the population of primary school age.

The regional and continental averages for this indicator are calculated according to the demographic weighting of each country (the region and the continent are considered as entities).

Source: calculated from United Nations Population Division data

HIV/AIDS prevalence (15-49 year olds): Proportion of individuals aged 15 to 49 living with HN/AIDS expressed as a percentage.

Source: UNAIDS

HDI (ranking): 2003 ranking on the Human Development Indicator (for the 177 countries for which this indicator has been calculated).

Source: UNDP

Indicators of primary school results and education policies (Fast Track indicators, on the right hand side of the page)

Schooling profile: Proportion of a cohort of 100 children reaching each grade. The different grades are marked on the X-axis and the percentage of the cohort reaching the corresponding grade is shown on the Y-axis. The first point of the primary schooling profile corresponds to the apparent intake rate in primary education (if the value is over 100%, this is capped to 100% in the profile - access to first grade is considered to be universal - but the initial value is given for reference in the statistical table in the Appendix). Over the six grades of primary education, the last point of the profile corresponds to the access rate to the 6th grade (completion rate). The primary schooling profiles presented are simplified, only indicating the access rate to the first grade (apparent intake rate) and the access rate to the final grade.

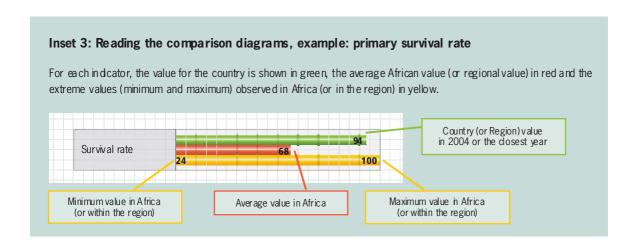
Source: calculations based on data from UIS and the United Nations Population Division

Primary survival rate: Percentage of pupils who entered the first grade of primary education and who reached the final grade, expressed as a percentage.

Source: calculated from UIS data

For this indicator as for all those hereafter, values are presented in the form of a chart with horizontal coloured diagrams which make it possible to show the value of the country in comparison with the African average and the extreme values noted (on the continent or in the region).

A reading guide for these indicators is to be found in Inset 3.



Primary education policy pattern

Pupil-teacher ratio (PTR): Ratio between the number of pupils and the number of teachers, representing the average number of pupils per teacher.

Source: calculated from UIS data

Public teacher's average salary as units of GDP per capita: Ratio between the average teacher salary and the value of the GDP per capita.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

Percentage of current spending other than teacher salaries: ratio between current expenditure other than teacher salaries and all current expenditure.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

% of repeaters: Proportion of pupils enrolled in the same grade as the previous year, expressed as a percentage of all pupils enrolled.

Source: calculated from UIS data

% of pupils in private education: Ratio between the number of pupils enrolled in schools which are not State-run and the total number of pupils, expressed as a percentage.

Source: calculated from UIS data

Sector-wide financial indicators (left hand side of the page)

Domestic resources mobilization

Government revenues as a percentage of GDP: ratio between all State revenues other than grants and the gross domestic product, expressed as a percentage. This indicator is close to the rate of fiscal pressure.

Source: World Bank, Fast Track Secretariat and CSR data

Percentage for education in government revenues: Ratio between all public current expenditure on education and all public resources excluding grants.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

Distribution of education budget

Percentage for primary schooling (adjusted to 6 grades) in the education budget: Share of current expenditure on education devoted to primary schooling. For countries where primary schooling does not last six years, calculations have been made to estimate the share of current expenditure corresponding to the first six grades, in the interet of comparability.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

Percentage for secondary (adjusted to 7 years) in the education budget: Share of current expenditure devoted to secondary education. For countries where the duration of secondary education is other than seven years, in the interests of comparability, calculations have been made to estimate the share of current expenditure corresponding to seven grades.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

Percentage for higher education in the education budget: Share of current expenditure on education devoted to higher education.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

Current unit cost as % of GDP per capita

Current unit cost as % of GDP per capita per level of education: Ratio between the average amount of annual public current expenditure for a pupil in a specific education level and the value of the GDP per capita.

Source: calculated from UIS, World Bank, Fast Track Secretariat and CSR data

Inequity in the allotment of public resource for education

Percentage of resources for the 10 % most educated: Share of public resources accumulated by the 10 % most educated (those who reach the highest terminal levels of education) among st all public resources mobilized for education.

Source: calculated from UIS. World Bank, Fast Track Secretariat and CSR data

Indicators mentioned in the text and not included in the country profiles

Pseudo drop-out rate (per level of education): Approximation of the share of pupils who entered the first grade of the level and dropped out before the end of that level.

Access rate to $1^{\rm st}$ grade of the level - access rate to final grade of the level Pseudo drop-out rate = Access rate to 1st grade of the level

Regional and continental averages for this indicator are calculated by using weighted averages for the different access rates making up this formula.

Source: calculated from UIS data

Random factor in the allocation of teachers in public primary schools: Proportion of the differences observed between schools in the number of teachers which cannot be explained by the differences in pupil numbers. The value of this indicator lies between 0 and 1. The nearer to 0, the more teacher allocations are made using the criterion of the number of pupils enrolled in each school.

Random factor = $1-R^2$ (number of pupils, number of teachers)

where R² is the coefficient of determination calculated between the number of pupils and the number of teachers in all the public primary schools in the country.

Source: CSR and country fieldwork (calculated from schooling administrative data bases)

School-life expectancy: School-life expectancy (SLE), is a synthetical indicator of schooling coverage. It is equal to the average number of years of schooling children of a country achieve (repeated years are not taken into account) provided the current situation of the education system.

SLE =
$$\sum_{j=1}^{N} A_{j}$$
with $A_{j} = \frac{\text{Non repeaters grade }_{j}}{\text{Population of children of the official age for grade}}$

and N the maximal number of years of schooling in the country

Source: calculated from UIS and UN population data

Internal efficiency coefficient (IEC): Ratio between the number of pupil-years (a pupil-year corresponds to a school year done by a pupil) theoretically required lead the pupils to the final grade without repeating and the actual number of pupil-years spent, provided repitition and dropout within the cycle, expressed in percentage.

Calculations can be made on the basis of the schooling profile, using a pseudo-cohort of 100 pupils entering grade 1. For instance if the level counts 6 grades:

Let $N_{\rm j}$ be the number of non-repeaters enrolled in grade j (100 in grade 1) and $R_{\rm j}$ the percentage of repeaters in grade $_{\rm j}$. The ideal number of pupil-years for the actual production is [N $_{\!_{\rm s}}$ x 6], that is to say 6 years of schooling achieved by N $_{\!_{\rm s}}$ pupils having reached grade 6 (without repetition).

But the number of pupil-years spent is
$$\sum_{j=1}^{6} \frac{N_{\rm j}}{1\text{-}R_{\rm j}} \quad \text{, so}$$

$$IEC = \frac{N_{\rm 6} \times 6}{\sum_{i=1}^{6} \frac{N_{\rm j}}{1\text{-}R_{\rm j}}}$$

This coefficient ranges theoretically between 0 (school system where no child reaches grade 6) and 1 (system without repetition or drop-out).

Source: calculated from UIS data

 TABLE I
 Population and macro-economics context, duration of the education level

	Population and macro-economics context 2003			Age and schooling duration						
			0/ 4			_				
	GDP per capita (U.S. dollars)	Total population (000)	% of school age population (primary)	Adult (15-49) living with HIV/AIDS (%)	Human develope- mentindex (rank/177)	Pre Primary entrance age	Pre Primary duration	Primary duration	Lower sec ond ary duration	Uppe r secondary duration
South Africa	3 526	46 919	15.2	21 .5	120 ^{ème}	6	1	7	2	3
Algeria	2 135	31 866	12.7	0.1	103 ^{ème}	4	2	6	3	3
Angola	91 9	15 047	11 .8	3.9	160 ^{ème}	3	3	4	4	3
Benin	449	7 91 9	16.9	1.9	16 2 ^{ème}	4	2	6	4	3
B ot swana	4 25 1	1 77 2	17.8	37.3	131 ^{ème}	3	3	7	3	2
Burkina Faso	33 7	12 418	17.3	4.2	175 ^{ème}	4	3	6	4	3
Burundi	85	7 03 7	17.2	6.0	169 ^{eme}	4	3	6	4	3
Cameroon	793	15 748	16.2	6.9	148 ^{ème}	4	2	6	4	3
Cape Verde	1 648	484	15.9	-	105 ^{ème}	3	3	6	2	4
Comoros	421	<i>7</i> 5 7	16.0	-	132 ^{ème}	3	3	6	4	3
Congo	946	3 769	17.5	4.9	14 2 ^{ème}	3	3	6	4	3
Côte d'Ivoire	793	17 604	16.3	7.0	16 3 ^{ème}	3	3	6	4	3
Djibouti	81 7	765	16.3	2.9	150 ^{ème}	4	2	6	4	3
Egypt	1 157	71 267	11 .0	0.1	119 ^{ème}	4	2	5	3	3
Eritiea	185	4 05 3	13.9	2.7	161 ^{ème}	5	2	5	2	4
Ethiopia	90	73 795	16.7	4.4	170 ^{ème}	4	3	4	4	4
Gabon	4 51 6	1 341	16.2	8.1	123 ^{ème}	3	3	6	4	3
The Gambia	255	1 438	14.9	1.2	155 ^{ème}	3	4	6	3	3
Ghana	359	21 212	15.5	3.1	138 ^{ème}	3	3	6	3	3
Guinea	403	9 00 3	16.1	3.2	156ème	3	4	6	4	3
Equatoriale Guinea	6 058	481	13.5	3.4	121 ^{ème}	3	4	5	4	3
Gui ne a-Bis sau	160	1 49 4	16.5	2.8	-	4	3	6	3	2
Libyan Arab Jamahiriya	4 16 9	5 62 9	11.8	0.3	58 ^{ème}	4	2	6	3	3
Kenya	439	32 734	18.6	6.7	154 ^{ème}	3	3	6	3	3
Lesotho	598	1 80 0	18.4	28.9	149 ^{ème}	3	3	7	3	2
Liberia	137	3 22 2	17.1	5.9	1 / Cème	3	3	6	3	3
Madaga scar Malawi	31 1 138	17 626 12 339	14.3 17.8	1.7 14.2	146 ^{ème} 165 ^{ème}	3	3	5 6	3	3
Mali	341	12 736	17.0	14.2	10 3 eme	3	4	6	3	3
Morocco	1 430	30 568	12.6	0.1	174 124 ^{ème}	4	2	6	3	3
Mauritius	4 291	1 22 1	10.2	0.1	65 ^{ème}	3	2	6	3	4
Mauritania	409	2 89 3	15.9	0.1	15 2 ^{ème}	3	3	6	3	3
Mozambique	227	19 052	14.2	12.2	168 ^{ème}	3	3	7	2	3
Namibia	2 15 1	1 986	20.4	21.3	105°	3	3	7	3	2
Niger	209	13 052	16.8	1.2	17 7 ^{ème}	4	3	6	4	3
Nigeria	458	125 91 2	16.9	5.4	158 ^{ème}	3	3	6	3	3
Uganda	23.4	26 869	21 .2	4.1	144 ^{ème}	4	2	7	4	2
Central African Republic	306	3 93 7	16.6	13.5	17 1 ^{ème}	3	3	6	4	3
Democratic Republic of Congo	105	54 231	17.2	4.2	16 7 ^{eme}	3	3	6	2	4
United Republic of Tanzania	279	36 919	18.8	8.8	164 ^{ème}	5	2	7	4	2
Rwanda	192	8 758	16.8	5.1	15 9ème	4	3	6	3	3
Sao Tome and Principe	399	149	15.0	-	126ème	4	3	6	2	3
Senegal	583	11 119	16.4	0.8	15 7 ^{ème}	4	3	6	4	3
Seychelles	8 68 5	85	-	-	51 ^{ème}	4	2	6	3	3
Sierra Leone	193	5 11 9	15.6	7.0	176 ^{ème}	3	3	6	3	3
Somalia		7 708	18.2	1.0	-	3	3	7	2	2
Sudan	51 0	34 856	15.3	-	141 ^{ème}	4	2	6	2	3
Swaziland	1 840	1 035	20.0	38.8	147 ^{ème}	3	3	7	3	2
Chad	286	9 13 3	17.4	4.8	173 ^{ème}	3	3	6	4	3
Togo	301	5 03 0	18.5	4.1	14 3 ^{ème}	3	3	6	4	3
Tunisia	2 53 2	9 888	11.3	0.1	89 ^{ème}	3	3	6	3	4
Zambia	384	11 291	19.9	16.5	166 ^{ème}	3	4	7	2	3
Zimbabwe	1 388	12 863	19.1	24.6	145 ^{ème}	3	3	7	2	4
Simple average	1 227	-	16.2	7.5	-	-		-	-	-
•										

TABLE II EFA index

		African developement index		Primary completion rate (%)	Qu ality index	GER gender parity index (%)	Adult literacy rate (%)	
	EFA	EFA+		late (70)				
South Africa	91	80	33.3	97	48	97	82	
Algeria	80	-	4.7	94	-	93	70	
Angda	34	46	-	43	61	71	67	
Benin	30	33	4.4	53	46	77	35	
B ot swana	90	82	-	92	53	99	81	
Burkina Faso	15	27	1.2	30	55	78	22	
Burundi	38	50	1.4	33	63	83	59	
Cameroon	58	62	19.6	63	58	85	68	
Cape Verde	85	-	53.1	95	-	95	76	
Comoros	49	50	3.3	50	49	88	56	
Congo	70	-	5.6	57	-	93	83	
Côte d'Ivoire	36	45	3.2	48	58	79	49	
Djibouti	35	-	1.8	29	-	79	65	
Egypt	83	-	13.9	95	-	95	71	
Eritiea	39	-	7.4	44	-	80	57	
Et hi opia	43	42	2.2	55	45	86	42	
Gabon	75	-	13.9	66	-	99	71	
The Gambia	59	50	18.2	63	39	106	38	
Ghana	68	51	41.6	72	29	96	58	
Guinea	36	44	6.1	52	56	81	40	
Equatoriale Guinea	66	68	40.4	50	59	91	87	
Gui ne a-Bis sau	22	33	9.6	38	55	67	54	
Libyan Arab Jamahiriya	-	-	7.6	-	-	-	82	
Kenya	82	76	53.4	91	52	94	74	
Lesotho	82	74	30.6	70	50	100	82	
Liberia	-	-	-	-	-	-	-	
Madagascar	62	65	10.0	45	59	96	71	
Malawi	70	62	-	61	45	102	64	
Mali	19	25	1.9	42	47	42	19	
Morocco	60	65	53.4	75	61	90	52	
Mauritius	97	91	95.5	100	58	100	84	
Mauritania	54	43	1.7	43	33	98	51	
Mozambique	31	42	-	30	59	83	46	
Namibia	90	73	28.9	85	38	101	85	
Niger	9	16	1.4	25	43	72	29	
Nigeria	62	49	14.7	76	33	85	67	
Uganda	70	66	2.1	59	51	100	67	
Central African Republic	18	25	1.7	29	46	70	49	
Democratic Republic of Congo	-	-	- 20.7	-	28	-	67	
United Republic of Tanzania	66	68	28.7	55 27	59	96	69	
Rwanda	60	67	2.5	37	65	102	65	
Sao Tome and Principe	81	77	42.5	75	55	98	79	
Senegal	49	48	7.9	50	48	95	39	
S ey chelles	100	99	101.5	-	69	100	92	
Sierra Leone	38	35	4.2	61	40	82	35	
Somalia	-	-	- 22.0	-	-	- 07	- 61	
Sudan	49	-	23.0	49	-	87	61	
Swaziland	72 7	69	- 0.5	61 25	53	95 67	80	
Chad		14	0.5	35	42	67	26	
Togo	54	57	2.5	74	56	84	53	
Tunisia	86	89	21.7	95 67	69	96	74	
Zambia	70	58	- 42.2	67 80	39	96	68	
Zimbabwe Simple avera ge	88 58	80 56	43.2 20	80 60	51 51	98 90	90 62	

TABLE III Diagnostic system

			Priman	/		Lower seco	ondary	
	Gross enrolment rate (%)	Primary apparent intake rate (%)	Survival rate to the last grade (%)	Actual primary > sec ond ary tran sition	Random factor in the alloc ation of teachers in public primary schools	Gross enrolment rate (%)	Accesrate to first grade (%)	
S outh Africa	106	115.1	84.0	99	-	95	92	
Algeria	112	101.7	94.4	94	-	98	86	
Angola	70	71.0	57.0	-	-		-	
Benin	99	100.2	41.9	63	39	34	33	
Botswana	104	104.5	82.3	99	_	86	91	
Burkina Faso	53	70.8	71.1	59	28	16	17	
Burundi	80	90.7	49.0	57	51	15	18	
Cameroon	117	107.8	64.0	62	45	35	37	
Cape Verde	112	97.4	94.3	86	-	93	83	
Comoros	85	70.1	61.8	92	-	41	43	
Congo	86	71.0	63.0	79	38	50	46	
Côte d'Ivoire	72	71.8	74.3	63	-	29	29	
Djibouti	39	38.6	72.2	84	-	23	26	
Egypt	101	99.2	99.4	95	-	94	90	
Eritrea	66	57.6	73.7	95	-	45	38	
Ethiopia	93	141.3	79.0	91	29	44	50	
Gabon	132	94.2	63.1	97	26	61	54	
The Gambia	81	88.8	66.8	99	-	65	62	
Ghana	88	95.1	76.0	94	-	64	68	
Guinea	81	85.8	70.0	95	9	35	40	
Eguatoriale Guinea	131	123.4	36.1	100	-	40	64	
GuineaBissau	93	129.0	47.0	93	-	32	30	
Libyan Arab Jamahiriya	113	104.8	-	-	-	11 4	-	
Kenya	113	127.7	86.3	94	-	68	86	
Les otho	129	135.4	74.4	76	18	44	51	
Liberia	-	-	-	-	-	-	-	
Ma dagas car	134	166.4	43.9	75	28	24	30	
Malawi	129	175.3	24.4	75	34	42	52	
Mali	69	66.6	74.6	82	42	35	33	
Morocco	106	97.9	72.2	86	-	59	58	
Mauritius	102	100.0	95.0	82	-	87	83	
Mauritania	94	105.8	64.4	62	20	26	29	
Mozambique	97	135.4	33.8	56	15	16	15	
Namibia	102	97.2	79.4	98	15	78	84	
Niger	45	59.3	71.2	70	15	11	13	
Nigeria	99	112.0	73.0	-	-	37		
Uganda	130	169.2	-	42	34	23	26	
Central African Republic	69	72.1	50.0	60	-	15	17	
Democratic Republic of Congo	-	-	-	-	-	-	-	
United Republic of Tanzania	107	126.3	75.8	33	-	14	19	
Rwanda	100	182.6	24.0	61	21	13	13	
Sao Tome and Principe	133	116.2	79.1	83	-	63	50	
Senegal	78	91.0	72.0	66	19	28	30	
Seychelles	110	115.8	100.0	-	-	109	-	
Sierra Leone	154	203.7	50.6	73	29	42	44	
Somalia	-	-	-	-	-	-		
Sudan	60	67.7	84.0	94	-	47	44	
Swaziland	99	104.7	57.5	84	-	50	54	
Chad	81	95.9	43.2	76	18	22	25	
Togo	106	85.8	69.2	79	38	62	58	
Tunisia	110	95.2	98.0	96	-	94	90	
Zambia	100	111.2	77.0	64	20	41	40	
Zimbabwe	97	118.4	76.0	70	-	55	57	
Simple average	97	105	68	79	27	49	48	

		Upper secondary			Technical	Ter tia ry	
Acces rate to last grade (%)	Actual transition rate lower>upper secondary (%)	Gross enrolment rate (%)	Acces rate to first grade (%) Taux d'accès en dernière année		Number of pupi 100,000 i	Source for the raw data	
84	84	74	82	45	55 8	1 530	IUS
64	76	45	48	26	1 52 5	2 248	IUS
-	-	-	-	-	508	86	IUS
19	55	11	12	7	443	622	National
82	57	46	46	46	1 50 6	746	IUS
8	42	4	3	2	154	152	IUS
8	55	4	4	3	246	217	CSR
33	76	19	17	10	1 00 5	545	CSR
66	73	47	50	30	701	628	IUS
28	90	27	22	20	11 9	235	IUS
32	35	13	10	9	1 32 4	330	CSR
22	59	15	13	12	265	604	IUS
20	64	11	12	8	341	148	IUS
84	33	28	29	25	3 <i>7</i> 5 7	3 525	IUS
32	95	19	31	9	69	114	IUS
31	99	14	31	7	159	233	IUS
34	70	25	24	17	585	615	IUS
59	59	26	31	21	31	109	IUS
53	45	21	23	18	191	330	IUS
23	81	16	16	10	180	268	CSR
19	43	7	8	5	279	-	IUS
18	92	16	15	12	65	35	Pôle
-	-	32	-	-	4 62 0	6 795	IUS
31	98	27	30	24	75	331	IUS
30	84	22	24	17	109	339	IUS
-	-	-	-	-	109	- 339	-
15	58	8	8	6	95	239	IUS
19	92	16	18	14	94	41	IUS
21	43	10	8	6	348	260	IUS
41	71	30	28	22	645	1 124	IUS
79	98	66	75	35	1 290	1 456	IUS
				16	165	321	
18 10	10 0 83	19 6	18 7	2	123	117	IUS IUS
60	54	32	33	30	14.4	601	IUS IIIC
6	63	2	3	2	27	67 1.024	IUS IUS
- 10	-	32			- 12.1	1 024	IUS IUS
19	48	8	9	8	131	329	IUS CCD
8	74	7	6	6	107	107	CSR
-	-	-	-	-	-	- 110	-
9	31	2	2	2	- 24.9	116	IUS IUS
9	96	9	8	7	248	288	IUS IUS
34	96	25	25	8	37	128	IUS Nuii l
19	58	11	12	8	39	470	National
-	-	92	-	-	-	-	IUS
30	53	13	14	9	535	312	CSR
-	-	-	-	-	-	-	-
39	42	22	21	19	79	637	IUS
32	89	30	31	23	66	637	IUS
13	77	11	9	9	50	135	CSR
38	43	17	15	9	394	372	National
71	98	62	69	42	907	2 952	IUS
36	43	16	16	15	61	229	IUS
52	86	27	50	5	7	471	IUS
34	69	23	23	15	519	592	

TABLE IV Financials and Fast track indicators

	Resource n	nobiliza tio n	Distributio	on of e ducation	on budget	Currentunit cost as % of per capita		r capita GDP
	Government revenues as % of GDP	% for education in government revenues	% for primary (ajusted to 6 grades)	% secondary (ajusted to 7 grades)	% for tertiary	Primary	Secondary	Tertiary
South Africa	24.6	21.5	41.0	43.5	15.5	14.3	17.7	53.2
Algeria	40.9	8.7	44.2	-	-	11.1	-	-
Angola	39.0	6.7	51.7	-	-	7.8	-	-
Benin	15.7	22.6	50.7	27.5	22.1	10.8	19.3	1489
B ot swana	39.5	4.9	43.7	37.7	18.6	6.1	5.7	90.5
Burkina Faso	11.0	21.9	62.0	19.0	19.0	19.2	47.0	55 0.0
Burundi	20.1	19.1	44.4	28.1	27.5	15.1	65.4	7187
Cameroon	15.7	16.3	40.0	45.0	15.0	6.4	28.8	73.0
Cape Verde	22.5	21.7	44.1	37.1	18.9	18.0	21.7	284.9
Comoros	19.1	19.6	45.7	46.7	7.7	12.2	30.3	129.9
Congo	30.0	13.0	39.4	32.9	27.8	8.1	17.0	22 0.8
Côte d'Ivoire	17.5	24.5	46.6	37.4	16.0	17.5	48.0	137.1
Djibauti	22.0	-	-	-	-	-	-	-
Egypt	23.0	5.9	40.4	20.7	38.9	8.6	-	-
Eritiea	25.5	7.5	32.1	49.8	18.1	11.8	35.7	44 5.1
Ethiopia	19.1	15.9	54.9	26.1	18.9	12.7	-	-
Gabon	24.4	16.1	35.6	38.9	25.5	4.7	13.9	52.4
The Gambia	18.5	22.0	49.8	-	-	18.3	-	-
Ghana	21.0	25.3	32.8	-	-	17.6	-	-
Guinea	11.1	18.4	44.4	30.8	24.8	9.0	14.0	231.0
Equatoriale Guinea	21.2	-	-	-	-	-	-	-
Guinea-Bis sau	17.8	11.7	33.3	43.0	23.7	7.2	13.8	121.1
Libyan Arab Jamahiriya	-	-	40.4	39.3	20.3	11.3	-	-
Kenya	23.3	27.6	36.1	-	-	9.0	22.0	266.1
Lesotho	41.3	24.2	34.5	29.5	36.0	18.0	47.0	57 7.5
Liberia	-	-	-	-	-	-	-	-
Madagascar	11.2	22.8	57.6	25.4	17.1	8.3	35.9	189.4
Malawi	20.2	16.1	45.4	36.4	18.2	8.0	28.0	149.0
Mali	14.4	23.4	35.3	48.4	16.3	10.8	50.0	1929
Morocco	25.8 18.2	23.2	36.6	47.1	16.3	20.6 9.0	43.6	11 0.8 48.7
Mauritius		18.3	36.5	45.8	17.7		14.0	156.0
Mauritania Mozambique	37.5 14.3	14.1 21.0	44.2 48.0	38.9 30.0	16.9 21.9	13.4 10.2	41.2 32.4	791.1
Namibia	32.0	18.5	55.4	35.9	8.7	21.0	25.2	93.5
Niger	10.6	24.1	60.0	26.7	13.3	20.0	61.0	51 5.0
Nigeria	40.2	8.6	29.1	51.2	19.7	13.8	-	31 3.0
Uganda	12.3	30.1	47.2	-	-	9.8	-	-
Central African Republic	12.0	10.0	52.4	-	-	8.7	-	-
Democratic Republic of Congo	7.7	7.1	32.2	34.9	32.8	2.8	-	-
United Republic of Tanzania	12.1	29.7	55.1	-	-	16.3	-	-
Rwanda	12.7	18.9	43.2	19.6	37.3	8.1	58.6	786.9
Sao Tome and Principe	24.8	-	-	-	-	-	-	-
Senegal	19.2	22.1	44.0	28.4	27.7	13.9	19.5	29 5.6
Seychelles	36.5	13.0	35.6	46.9	17.4	14.5	14.5	-
Sierra Leone	24.8	19.4	48.2	29.8	22.0	9.2	29.8	2783
Somalia	-	-	-	-	-		-	-
Sudan	13.2	16.2	46.0		-	10.3	-	-
Swaziland	25.7	13.7	22.6	51.9	25.5	11.2	28.9	245.9
Chad	10.5	13.1	49.6	29.1	21.3	5.2	18.5	33 9.3
Togo	16.5	20.6	47.9	34.7	17.4	12.5	20.5	1124
Tunisia	28.5	20.5	33.3	45.0	21.7	15.8	25.7	68.0
Zambia	17.9	11.1	45.6	35.0	19.4	7.1	19.3	1638
Zimbabwe	23.6	30.1	60.6	-	-	16.2	24.2	201.3
Mo yenne simple	22	18	44	36	21	12	30	260

% of resource to the 10% more educated people	Pupil-Teacher Ratio	Public teachers' average salary as units of per capita GDP	% of current spending other than teachers' salary	% of repeaters	% of pupils in private	Source for finance data
17	33.8	-	9.8	5.2	2.0	IUS
-	26.5		-	11.8	0.0	IUS
-	35.0	1.5	19.0	23.0	5.0	IUS
45	51.6	3.6	42.1	23.1	10.8	Simulation model
25	25.8		-	5.2	4.7	IUS
60	48.7	5.7	30.6	13.0	13.0	CSR
60	52.0	6.8	12.0	29.1	1.6	CSR
38	53.9	3.6	25.0	21.9	23.5	CSR
25	26.9		-	13.0	0.0	IUS
30	35.0		-	27.1	10.0	IUS
46	82.8	2.3	20.3	23.6	25.3	CSR
40	42.4	4.8	23.0	17.6	10.9	IUS
-	34.4	-	-	18.0	15.5	IUS
-	21.9	-	-	4.0	8.0	IUS
40	46.7	7.7	29.6	21.3	7.8	IUS
65	72.2	6.7	30.7	7.0	4.6	Simulation model
28	36.0	-	-	34.4	29.3	IUS
-	37.5	3.7	22.0	9.7	2.7	Pôle's estimate (according to FTI secretary)
-	32.3	4.0	26.4	5.8	18.0	Pôle's estimate (according to FTI secretary)
41	45.2	2.3	45.7	10.3	20.6	CSR
-	43.4	-	-	40.5	33.0	IUS
26	38.0	1.9	30.7	22.0	19.0	S imulation model
-	-	-	-	-	2.5	IUS
34	39.5	5.3	4.2	5.8	-	IUS
31	44.0	6.6	30.8	18.2	0.3	CSR
-	-	-	-	-	-	-
45	52.4	2.9	38.9	30.0	19.3	Simulation model
-	70.0	4.0	14.0	18.0	-	CSR
47	52.2	4.3	45.5	19.0	34.8	Pôle's estimate (according to FTI secretary)
26	27.6	3.4	10.5	13.2	5.5	IUS
19	22.0	-	-	4.8	24.9	IUS
36	44.5	4.7	19.4	14.4	7.0	Simulation model
37 20	65.2	5.2	20.9	20.6	3.9	S imulation model IUS
	28.3	- C 1	- 25 0	13.1	3.9	CSR
63 -	43.7 36.4	6.1 4.9	35.9 9.1	5.3 2.6	3.9	IUS
-	50.4	2.9	26.2	13.7	9.1	World Bank
-	83.0	4.9	28.5	30.6	7.2	CSR
52	-	1.0	10.3	-	-	IUS
-	58.3	3.6	13.1	4.3	0.6	IUS
68	62.0	3.8	27.9	18.8	0.8	Simulation model
-	32.1	-	-	24.6	-	IUS
37	43.2	4.2	16.8	11.9	11 2	National
-	14.0	1.7	35.2	-	4.7	IUS
57	66.9	3.9	31.0	12.0	5.0	CSR
-	-	-	-	-	-	-
-	28.8	2.2	22.5	2.2	4.4	World Bank
34	31.2	-	-	16.3	0.0	IUS
67	69.3	2.3	37.2	24.8	27.0	CSR
45	44.3	5.0	25.2	23.8	40.2	World Bank
16	20.6	-	-	7.2	1.0	Pôle's estimate (according to FTI secretary)
31	48.5	2.7	21.7	6.9	2.4	IUS
23	38.6	6.1	25.0	0.0	86.9	World Bank
39	44	4	25	16	13	

APPFNDIX 4: LIST OF ABBREVIATIONS AND ACRONYMS

AFRISTAT Observatoire économique et statistique d'Afrique subsaharienne

(Economics and statistics observatory for sub-saharan Africa)

AIR Apparent Intake Rate

BREDA UNESCO Regional Office for Education in Africa

CONFEMEN Conference of ministers of education for Francophone countries

CSR Country Status Report

Développement Institutions et Analyses de Long terme DIAL

(Research Center on Economics Development)

EFA Education For All

FTI Fast Track Initiative (accelerated implementation of Education For All)

GDP Gross Domestic Product **GER** Gross Enrolment Rate HDI Human Development Index

HIV-AIDS Human Immunodeficiency Virus/Acquired Immunodeficiency Syndrome

IEC Internal Efficiency Coefficient

IIEP International Institute for Educational Planning

MDG Millennium Development Goals

MICS Multiple indicators cluster survey (UNICEF programme)

MLA Monitoring learning achievement (UNESCO/UNICEF programme) Organisation for Economic Cooperation and Development **OECD**

PPA Pupils' Parents Association

PASEC Programme d'Analyses des Systèmes Educatifs de la CONFEMEN

(Programme for analysis of the CONFEMEN education systems)

PCR Primary Completion Rate

PISA Programme for International Student Assessment (OECD programme)

PTR Pupil-teacher ratio

SACMEO Southern Africa Consortium for Monitoring Education Quality

SLE SchoolLife Expectancy

TIMSS Trends in International Mathematics and Sciences Study

UEMOA Union Economique et Monétaire Ouest Africaine

(West African Economic and Monetary Union)

UIS UNESCO Institute for Statistics

UNDP United Nations Development Programme

UNESCO United Nations Educational, Scientific and Cultural Organisation

UPE Universal Primary Education

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