



Functional Review of Public Administration of Education Sector in Bosnia and Herzegovina

Annex 3 Institutional Profiles

Project: Reform of General Education in Bosnia and Herzegovina

EC/BIH/03/020

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Introduction

The Institutional Profiles present an annex of the "Functional Review of Public Administration of Education Sector in Bosnia and Herzegovina" within the Project "Reform of General Education in Bosnia and Herzegovina" (EC/BIH/03/020), financed by the European Commission and executed by IBF International Consulting and the British Council.

The purpose of this document is to present the current institutional characteristics of public administration of education system, in order to identify scope and capacity of responsibilities of each institution in Bosnia and Herzegovina which, in practice, perform such functions as policy development, legislation development, allocation and control of public funds, various support and capacity building services.

The profiles, besides human resources functions of education management institutions, encompass the statistical description of education delivery sector as well as financial description related to expenditures of education delivery and public administration of education sector. The profiles are organised according to the level of public administration institutions (State level, Brcko District, RS, FBiH and Cantons and the Standards and Assessment Agency). Due to the specific role given to the Institute for School Affairs, the Institute is presented in one separate Institutional profile, but at the same time is covered within the Profiles of Cantons in which the Institute provides support and acts as a supervisory institution for implementation of curriculum.

The Review Team used two phases of sending out the questionnaires in order to better understand the internal organisation, characteristics and expenditure of the institution. The institutions were asked to provide exact number of specialist and support staff working in the public administration of education sector, allocation of staff according to key management functions, age and gender structure and educational background of the specialist staff. The Review Team also asked about structure of the key management units within the institution including an attitude towards development needs (such as training and policy) that would be welcomed and needed in the future.

Availability and easy access to reliable data has been one of the most difficult problems of work on these Profiles and on the overall Report as well. Therefore, the Review Team used not only official sources of information such as legislation (see Legislative Annex), Agency for Statistics for BiH, Federal Office for Statistics, the Republika Srpska Statistical Institute and Statistical Bureau of the Brcko District, then Official Gazettes (FBiH, RS, Cantonal, BD), Pedagogical institutes, MoCA BiH, but also heavily relied on questionnaires, interviews, expert opinions, as well as analysis of reports produced by other authors. Box 1. in the Statistical Annex, which is attached here for explanation, demonstrates in a very transparent way the problem of reliability and accuracy of data about public education expenditure in BiH. In addition to this, the number of inhabitants in BiH as such, and the number of present inhabitants in each of the administrative units considered in the Profiles present only estimations of the Statistical Offices (BiH, FBiH, RS, and BD), because exact data do not exist. Due to above reasons and some others (part-time teachers, school as a school building vs. school as legal entity, continuous movement of internally displaced person, children not attending even compulsory school, missing citizens records) some statistical indicators here are very tentative and used mainly for demonstration of the methodological approach.

(All the data presented in the Profiles are relevant for 2004, if not stated otherwise.)

Department for Education, Science Culture and Sports of the Ministry of Civil Affairs BiH

Key information about BiH:

Population (July 2004):	4 007 608
Territory (km ²):	51 209,2
Density (inhabitants/km ²):	78
No. of municipalities:	148

Structure of the Ministry:

1. Cabinet of the Minister
2. Cabinet of the Deputy Minister
3. Department for Legal, Human Resources, General and Financing Affairs
4. Department for Citizenship and Travelling Documents
5. Department – Main centre for data processing
6. Department for Work, Employment, Health, Social Protection and Pensions
7. Department for Education, Science, Culture and Sports
8. Department for Geodetic, Geological and Meteorological Affairs.

Education Sector:

- Education Sector is administered by the Department for Education, Science, Culture and Sports of the Ministry of Civil Affairs.
Contact details: Ministry of Civil Affairs BiH, St. Trg BiH 1, Sarajevo;
tel: 033/221-076; fax: 033/221-074.

Law governing education sector:

- Framework Law on Primary and Secondary Education in Bosnia and Herzegovina (Official Gazette of BH, No. 18/03)

Legal responsibilities in the education sector:

- Initiative for signing of special bilateral agreements on additional education
- Development of the curriculum for additional education for BiH students abroad in co-operation with the Curriculum Agency;
- Responsibilities for the Common Core Curriculum development;
- Supervision of application of the Framework Law;
- Initiative for conclusion of agreement between the Entities, Cantons and Brcko District governments related to organisation, mandate, work and financing of Standards and Assessment Agency and Curriculum Agency.

Public administration

1. No. of public administration staff in the MoCA BiH (2004)

	MoCA
Total No. of existing staff:	49
– Specialists:	23
– Support staff:	26

2. No. of public administration staff in the Department for Education, Science, Culture and Sports (2004)

	Department for Education, Science, Culture and Sports
Total No. of staff	1
– Education specialists:	1
– Support staff:	0
Additional staff required*	9

* According to the Book of Rules of the Ministry

Budget for MoCA (million KM)

Institution	2002	2003	2004
Ministry of Civil Affairs BiH	5,2	3,7	4,3

Expenditure of the MoCA (million KM)

Institution	2003	2004
Expenditure on education*	0	0
Public administration expenditure	1,6	2,1**

*The Ministry in 2004 had no programme fund for education sector.

**Expenditure on public administration 2004 relates to the planned number of staff – 83.

Functions and characteristics of staff

7. Allocation of staff according to functions (2004)

Function performed	Dept. for Education, Science, Culture and Sports
Policy development	1

8. Presence of a post or unit with responsibility for key management functions of the MoCA BiH (2004)

Function	Department
Human resources management	Yes
Information technology support	No
Accounting	Yes
Internal Audit	Yes
Procurement	Yes

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Dep. for Education, Science, Culture and Sports of MoCA	0	1	0	0	0	1	0	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Dep. for Education, Science, Culture and Sports of MoCA	0	0	1	1	0	0	0

Brcko District

Key information about the District:

Population:	74 960
Territory (km ²):	493
Density (inhabitants/km ²):	152
No. of municipalities:	1
Budget (million KM):	202,9

Level of education (primary, secondary and higher)

The following legal act presents the legal framework for education in Brcko District:

- Law on Education in Primary and Secondary Schools of Brcko District of Bosnia and Herzegovina (Official Gazette of BD, No. 9/01,28/03)

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools	No. of teachers	No. of non teaching staff	Total No. of staff
Primary	7 634	16	445	156	601
Secondary	3 826	4	239	70	309
Higher	0	0	0	0	0
Total:	11 460	20	684	226	910

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	10,9	11,3	14,4
Secondary	7,5	7,3	8,9
Higher	0	0	0
Total	18,4	18,6	23,3

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school	Expenditure per pupil (KM)
Primary	17	477	1 881
Secondary	16	956	2 334

Public administration of education

Education sector of the Brcko District is administered by the following institutions:

- Department for Education of Brcko District (St. Bulevar mira 1, 76 100 Brcko; tel: 049/ 214-503; fax: 049/ 214-503)
- Pedagogical Council of the Department for Education of Brcko District (St. Bulevar mira 1, 76 100 Brcko; tel: 049/ 214-503; fax: 049/ 214-503)

5. No. of public administration staff (2004)

Total No. of existing staff:	14
– Education specialists:	7
– Support staff:	7
Additional staff required*	6

* According to data provided in the questionnaire

6. Public administration expenditure (in million KM)

Department for Education	2002	2003	2004
Total education expenditure:	20,4	21,9	24,2
Total public administration education expenditure	0,8	0,8	0,9
% of public administration education expenditure in total education expenditure	3,9	3,7	3,7

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Department
Policy development	6
Legislation development	0
Curricula design	0
Standards setting	0
Monitoring of educational outcomes of pupils	0
Quality control of schools and teachers (inspection)	0
Teachers training	0
Financing and accounting	1
Other	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Department
Human resources management	No
Information technology support	No
Accounting	Yes
Internal Audit	No
Procurement	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Department	5	2	0	0	0	6	1	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other

Department	0	2	5	6	0	1	0
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Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Proposing legal and sub-legal acts related to education
- Managing the processing and development of curricula and ensuring coordination with all stakeholders
- Planning and allocating financial resources for the proper functioning of education system in Brcko District

Training needs:

- Training in development of modern management and information technologies;
- Designing of curricula
- Modern pedagogical practices through exchange of experiences

Republika Srpska

Key information about Republika Srpska:

Population:	1 463 465
Territory (km ²):	25 053
Density (inhabitants/km ²):	58
No. of municipalities:	64
Budget (million KM):	1 035

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education sector in Republika Srpska:

- Law on Primary School (Official Gazette of RS, No. 38/04)
- Law on Secondary School (Official Gazette of RS, No. 38/04)
- Law on University (Official Gazette of RS, No. 12/93)
- Law on Education Inspection (Official Gazette of RS, No. 26/93)

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools /faculties*	No. of teachers	No. of non teaching staff	Total No. of staff*
Primary	125 256	202	7 690	n/a	n/a
Secondary	52 177	86	2 892	n/a	n/a
Higher	21 663	39	n/a	n/a	n/a
Total:	199 096	327	10 582		

*This number includes total number of primary schools as legal entities. Higher education includes first stage higher schools, higher schools and academies.

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	82,6	85,4	102,7
Secondary	29,4	30,2	35,1
Higher	21,0	22,6	26,4
Total	133	138,2	164,2

3. Statistical indicators for education (2004)

Level of education	Pupils/students per teacher	Pupils/students per school/faculty	Expenditure per pupil (student) KM
Primary	16	620	819
Secondary	18	606	672
Higher	n/a	555	1 218

Public administration of education

Education sector of Republika Srpska is administered by two institutions:

- Ministry of Education and Culture (St. Vuka Karadžića, 78 000 Banja Luka tel: 051/ 217-949, fax: 051/ 331-423); and

- Republika's Pedagogical institute (St. Miloša Obilića 39; tel: 051/ 430-110; fax: 051/430-100)
- The Republika's Pedagogical institute has four branch offices in the following centres: Doboj, Bijeljina, Prijedor and Foča.
- The Institute received 1.114.507 KM in 2004. The capacity of the Institute's responsibilities in Republika Srpska is presented in Table 4.

4. Scope of responsibility of the Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
202	86	7 750	3 392	122 739	50 097

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute	Total
Total No. of existing staff:	25	66	91
– Education specialists:	20	51	71
– Support staff:	5	15	20
Additional staff required*	21	20	41

* According to data provided in the questionnaire

6a. Public administration expenditure of the Ministry (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	150,6	152,1	168,8
Total public administration education expenditure*	7,2	10,4	12,0
% of public administration education expenditure in total education expenditure	4,8	6,8	7,1

*This number presents the budget of the Ministry of Education and Culture

6b. Public administration expenditure of the Institute (in million KM)

Pedagogical institute	2002	2003	2004
Total education expenditure:	150,6	152,1	168,8
Total public administration education expenditure	1,0	1,0	1,1
% of public administration education expenditure in total education expenditure	0,7	0,7	0,7

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialists		
	Ministry	Pedagogical institute	Total

Policy development	1,6	0	1,6
Legislation development	1	1	2
Curricula design	1,6	0	1,6
Standards setting	1,6	0	1,6
Monitoring of educational outcomes of pupils	1,6	0	1,6
Quality control of schools and teachers (inspection)	10	49	59
Teachers training	1,6	0	1,6
Financing and accounting	1	1	2
Other	0	0	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	Pedagogical institute
Human resources management	Yes	Yes
Information technology support	No	No
Accounting	Yes	Yes
Internal Audit	No	No
Procurement	No	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	16	4	0	1	2	4	13	0
Pedagogical institute	39	12	0	0	3	15	33	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	1	19	18	1	1	0
Pedagogical institute	0	1	50	48	1	1	1

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Legislation
- Comprehension and quality of education
- Curricula
- Education and the training of the personnel
- Utilisation of the new technologies

Training needs of the Ministry and the Institute:

- Education management training
- Administrative and professional trainings (seminars, advisory meetings)

Federation of Bosnia and Herzegovina

Key information about the Entity:

Population:	2 324 712
Territory (km ²):	26 110,5
Density (inhabitants/km ²):	89
No. of municipalities:	84
Budget 2004 (million KM):	1 205

Level of education (primary, secondary and higher)

Education sector of the FBiH is, within its competencies, administered by the Federal Ministry of Education and Science (St. Obala Maka Dizdara 2, Sarajevo tel: 033 / 663 693; fax: 033 / 664-381)

Legal responsibilities:

The Federal Ministry of Education and Science does not have the constitutional authorities in the education sector. Its competencies derive from the Law on Federation Ministries and Other Bodies of the Federation Administration (OG of FBiH, No. 58/02, 19/03), and relate to monitoring and coordinating of the activities related to harmonisation and development of education legislation.

1. General statistical data for education (2004)*

Level of education	No. of pupils (students)	No. of schools /faculties**	No. of teachers	No. of non teaching staff***	Total No. of staff***
Primary	248 505	1 113	13 930	446	14 376
Secondary	114 438	208	7 695	183	7 878
Higher	51 771	65	1 965	n/a	n/a
Total:	414 714	1 386	23 590	629	22 254

*Since the Ministry has no direct responsibility for schools, pupils/students and teachers, here is presented total number of school buildings, pupils/students and teachers for all Cantons in order to present the capacity of the Ministry's coordinating role.

**This number includes number of primary school buildings not primary school as legal entities. The same is related to ratio in table 3. Higher education includes first stage higher schools, higher schools and academies

***This number does not include technical personnel

2. Statistical indicators for education (2004)*

Level of education	Pupils/students per teacher	Pupils/students per school/faculty	Expenditure per pupil/student (KM)
Primary	18	223	1025
Secondary	15	550	1281
Higher	26	796	1715

*This table presents the statistical indicators for FBiH as a whole.

3. Education public expenditure (in million KM)*

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	0,15	0,20	0,25
Secondary	0,35	0,25	0,32
Higher	1,0	1,0	0,93
Total	1,5	1,45	1,5

*Education public expenditure is allocated to education reform, students' dormitories, pupils' competitions, equipping schools, school reconstruction and assistance to school libraries.

Public administration of the Ministry

4. No. of public administration staff (2004)

	Ministry
Total No. of existing staff:	35
– Education specialists:	18
– Support staff:	17
Additional staff required*	1

* According to data provided in the questionnaire

5. Public administration expenditure (in million KM)*

Ministry	2002	2003	2004
Total education expenditure:	13,3	8,0	6,3
Total public administration education expenditure	1,68	1,05	2,02
% of public administration education expenditure in total education expenditure	12,6	13,1	32,1

*Only for expenditure recorded on the federal level – excluding cantonal expenditure

Functions and characteristics of public administration specialists in education

6. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Ministry
Policy development	3
Legislation development	2
Curricula design	3
Standards setting	2
Monitoring of educational outcomes of pupils	2
Quality control of schools and teachers (inspection)	3
Teachers training	2
Financing and accounting	1
Other	0

7. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry
Human resources management	No
Information technology support	No
Accounting	Yes

Internal Audit	No
Procurement	No

8. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	10	18	0	0	3	3	12	0

9. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	18	12	4	1	1

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Reform of primary, secondary, vocational secondary and higher education.

Training needs:

The Federal Ministry of Education and Science mentioned the following training needs in a domain of:

- Assessment of quality and standards in education
- Specialised programme in curriculum area
- Training and monitoring of international trends
- Training in methodology and techniques for drafting of modern education legislation
- Training in monitoring of implementation of relevant international documents in the education legislation
- Specialised training for specific segments
- Training in application of information and communication technologies
- Courses in foreign languages

The Standards and Assessment Agency for Education for the Federation of BiH and Republika Srpska

Key information about the Agency:

- Established in 2000
- Founded by the governments of the Federation BiH and RS
- Headquarters in Sarajevo

Contact details:

- The Standards and Assessment Agency for Education for the FBiH and RS, St. Tvornička 3, Sarajevo; tel: 033/ 766-150; fax: 033/ 766-151

The mandate of the Agency encompasses the following activities:

- To collect, process and publish the data on quantity and quality of all levels of education in primary and secondary school in order to ensure information for decision making process;
- To provide assistance to individual Entities or Cantons in their assessment projects, when they are in accordance with the overall Agency's aims;
- To provide assistance for research and development to educational institutions and individuals in regards to assessment issues;
- To lift the professionalism level of the assessment through organisation of training;
- To attempt to harmonise the assessment practice in BiH with the best practices of European countries, and to act towards the international recognition of certificates on achievements in the long run.

Characteristics and management of public administration

1. Internal organisation of the Agency:

No.	Unit
1.	Department for Assessment, Development and Research
2.	Department for Technical Affairs
3.	Administrative Department

2. Presence of a post or unit with responsibility for key management functions (2004)

Function	Agency
Human resources management	Yes
Information technology support	Yes
Accounting	Yes
Internal Audit	No
Procurement	No

3. No. of public administration staff (2004)

	Agency
Total No. of existing staff:	15
– Education specialists:	10
– Support staff:	5

4. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Agency	3	7	0	1	3	5	1	0

5. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Agency	0	0	10	6	0	2	2

Functions preformed

Setting of educational standards:

The Agency undertakes setting of education standards in the following subjects:

- Mother tongue and Mathematics

Scope of the current activities in assessment of learning outcomes:

- 8th/9th grade of primary school, 595 schools

The Agency delivers the following services:

- Teacher training in implementation of the standards
- Training of participants in the testing process of external assessment
- Testing of the students

6. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Agency
Policy development	0
Legislation development	0
Curricula design	0
Standards setting	10
Monitoring of educational outcomes of pupils	0
Quality control of schools and teachers (inspection)	0
Teachers training	0
Financing and accounting	0
Other	0

Budget

The Agency's budget includes operational costs, overheads, business trips, Steering Board expenses, staff salaries and other allowances. It is financed by the World Bank credit and contribution of the FBiH and RS Governments.

7. Budget (KM)

Agency	2002	2003	2004
Total budget	671.531	681.438	1.744.600

Training needs

- Training of the Agency staff for other key teaching subjects for preparation of the final exam/matriculation in primary and secondary schools (gymnasiums);
- Training in assessment of learning outcomes (scheme of assessment, test design, psychometrics).

Una-Sana Canton

Key information about the Canton:

Population:	297 362
Territory (km ²):	4 125
Density (inhabitants/km ²):	72
No. of municipalities:	8
Budget (million KM):	131,9

Level of education (primary, secondary and higher)

The Ministry has finished development of the Law on Primary and General Secondary Education, as well as the Draft Law on Higher Education. So far, the previously mentioned legal regulations have not been available to the Review Team.

The Ministry is engaged in development of the Law on Vocational Education within the Phare VET programme. Harmonisation of the cantonal laws with the Framework Law on Primary and Secondary Education in Bosnia and Herzegovina is to be followed with adoption of needed by-law regulations.

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools /faculties**	No. of teachers	No. of non teaching staff*	Total No. of staff*
Primary	30 854	46	1 548	25	1 573
Secondary	13 143	20	797	15	812
Higher	3 804	7	80 ^o		80
Total:	47 801	75	2 345	40	2 465

*This number does not include technical personnel

**This number includes number of primary schools as legal entities, while together with branch primary schools it is 161. Higher education includes higher and first stage higher schools

^oThis number includes full-time and part-time teachers and advisers in instruction

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	22,5	24,8	29,8
Secondary	12,1	13,8	15,7
Higher	4,6	5,7	6,6
Total	39,2	44,3	52,1

3. Statistical indicators for education (2004)

Level of education	Pupils/students per teacher	Pupils/students per school/faculty	Expenditure per pupil/student (KM)

Primary	19	671	966
Secondary	16	597	1 195
Higher	48	543	1 734

Public administration of education

Education sector of the Una-Sana Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Alije Đerzeleza 6, 77 101 Bihać tel: 037/ 227-787, fax: 037/ 227-787); and
 - Pedagogical institute (St. Miroslava Krleža bb; tel: 037/ 223-441; fax: 037/223-441)
- In Una-Sana Canton the Pedagogical institute received 122.165 KM in 2004. The capacity of the Institute's responsibilities in Una-Sana Canton is presented in the table 4.

4. Scope of responsibility of Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
46	22	1 594	779	32 174	13 057

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute	Total
Total No. of existing staff:	19	7	26
– Education specialists:	8	6	14
– Support staff:	11	1	12
Additional staff required*	3	8	11

* According to data provided in the questionnaire

6a. Public administration expenditure of the Ministry (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	43,1	48,0	56,7
Total public administration education Expenditure*	2,1	1,5	0,7
% of public administration education expenditure in total education expenditure	4,9	3,1	1,2

*This number presents the budget of the Ministry of Education. Science, Culture and Sports

6b. Public administration expenditure of the Institute (in million KM)

Pedagogical institute	2002	2003	2004
Total education expenditure:	43,1	48,0	56,7
Total public administration education expenditure	0,14	0,19	0,24
% of public administration education expenditure in total education expenditure	0,3	0,4	0,4

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialists		
	Ministry	Pedagogical institute	Total
Policy development	2	0	2
Legislation development	2	0	2
Curricula design	0	0	0
Standards setting	2	0	2
Monitoring of educational outcomes of pupils	0	2	2
Quality control of schools and teachers (inspection)	1	2	3
Teachers training	0	2	2
Financing and accounting	1	0	1
Other	0	0	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	Pedagogical institute
Human resources management	No	No
Information technology support	No	Yes
Accounting	Yes	No
Internal Audit	No	No
Procurement	No	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	4	4	0	0	1	4	3	0
Pedagogical institute	5	1	0	0	0	3	3	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	8	7	0	1	0
Pedagogical institute	0	0	6	6	0	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Adoption of the Law on Primary and General Secondary Education harmonised with the Framework Law on Primary and Secondary Education in Bosnia and Herzegovina;
- Education of teachers as a priority segment in the area of education reform - this refers to education of teachers for class teaching within the nine-year education and usage of new methods and forms of work;
- Implementation of Education Reform Strategy;
- Education quality assurance;
- Introduction of stakeholders;
- Professional development.

Training needs of the Ministry:

The Ministry of Education, Science, Culture and Sport found that the education of employees and acquaintance with the EU experiences and its education system would be valuable for the improvement of the overall education policy. It also stressed the needs for training related to the familiarity with the new equipments used in teaching process, training in dealing with administrative procedures and procedures of passing certain decisions after inspection, training in the newest achievements in the educational process in EU. Most of the institutions of public administration of education sector in BiH recognise that there is a need for familiarisation with the process of Europeanization as such and particularly with the education in EU.

Training needs of the Pedagogical institute:

The Pedagogical institute in Bihac emphasised the importance of the following trainings for its staff:

- Training in information and communication technologies
- Training for organising seminars and education workshops
- Training in curriculum development
- Setting education standards
- Monitoring of education outputs
- Training in assessment and evaluation
- Training in data processing
- Training in monitoring of school performance
- Introduction of the new role of school inspection
- European dimension in education

Posavina Canton

Key information about the Canton:

Population:	44 686
Territory (km ²):	324,6
Density (inhabitants/km ²):	138
No. of municipalities:	3
Budget (million KM):	24,9

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education in Posavina Canton:

- Law on Primary School (Official Gazette of PC, No. 3/04 and 4/04)
- Law on Secondary School (Official Gazette of PC, No. 3/04, 4/04)
- Law on Educational Inspection (Official Gazette of PC, No. 5/01)
- Law on Higher Education (Official Gazette of PC, No. 6/00)

Besides these laws the Ministry undertakes drafting/amending of education legislation in the following directives: Law on Pre-primary Upbringing and Education, Law on Higher Education, Law on Validation and Equivalence of Education Certificates.

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools*	No. of teachers	No. of non teaching staff**	Total No. of staff**
Primary	3 791	7	206	7	213
Secondary	1 863	2	130	0	130
Higher	-	-	-	-	-
Total:	5 654	24	336	7	343

*Number of primary schools includes number of legal entities, while in total with primary branch schools it is 22

**This number does not include technical personnel

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	4,6	4,7	5,2
Secondary	2,1	2,1	2,2
Higher	0,3	0,3	0,3
Total	7,0	7,1	7,7

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school	Expenditure per pupil (KM)
Primary	18	541	1374
Secondary	14	931	1191

Public administration of education

Education sector of the Posavina Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Treća ulica 27, 76 000 Orašje; tel: 031/ 713-356; fax: 031/ 713-356) and
 - Institute for School Affairs (St. Zrinskog Frankopana 7, 88 000 Mostar; tel: 036/ 316-655; fax: 036/ 316-655)
- Posavina Canton financed the Institute for School Affairs in amount of 60.000 KM in 2004 – as presented in the questionnaire - for activities which encompass the Institute's mandate (the designing of curricula, supervision related to the implementation of the curricula, realisation of professional exams, etc). The capacity of the Institute's responsibilities in Posavina Canton is presented in Table 4.

4. Scope of responsibility of the Institute for School affairs (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
7	2	213	135	4 015	1 963

5. No. of public administration staff (2004)

	Ministry
Total No. of existing staff:	2
– Education specialists:	2
– Support staff:	0
Additional staff required*	4

* According to data provided in the questionnaire

6. Public administration expenditure (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	8,1	8,1	8,8
Total public administration education expenditure*	1,1	1,0	1,1
% of public administration education expenditure in total education expenditure	13,6	12,3	12,5

*This number presents the budget of the Ministry of Education. Science, Culture and Sports

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialist	
	Ministry	Total
Policy development	0,2	2
Legislation development	0,2	
Curricula design	0,2	
Standards setting	0,2	
Monitoring of educational outcomes of pupils	0,2	
Quality control of schools and teachers (inspection)	0,2	
Teachers training	0,2	
Financing and accounting	0,2	
Other		

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry
Human resources management	No
Information technology support	No
Accounting	No
Internal Audit	No
Procurement	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	1	1	0	0	0	2	0	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	2	2	0	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Education development strategy
- The reform of primary education (shift to the compulsory 9-year education)
- Establishment of institutions
- Managing the implementation and implication of education policy

Training needs:

Ministry of Education, Science, Culture and Sports mentioned the following needs related to the training which will facilitate achievements and implementation of the EU education standards. These are:

1. Standards for learning outcomes (students' achievements)
2. Standards for quality of process
3. Standards for quality of conditions

It is expected that through these trainings employees would be qualified for development, monitoring and evaluation of the abovementioned standards. Furthermore, there is a need for training related to the achievements of a high quality in:

- Application of different methods and techniques for evaluation monitoring;
- Development of the approach based on analysis and synthesis in processing of the results;
- Generalisation and diagnosis of the conditions, as well as defining the measures for improvement of educational results

Tuzla Canton

Key information about the Canton:

Population:	501 638
Territory (km ²):	2 649
Density (inhabitants/km ²):	189
No. of municipalities:	13
Budget (million KM):	112,3

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education sector in Tuzla Canton:

- Law on Inspection in Education (Official Gazette of TC, No. 4/96)

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools/faculties**	No. of teachers
Primary	57 284	88	3 332
Secondary	25 702	35	1 501
Higher	8 926	11	80
Total:	91 912	133	4 913

**This number does not include technical personnel*

***This number includes number of primary schools as legal entities, while total number of primary schools with school branches is 219. No. of faculties includes first stage higher schools, higher schools and academies*

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	44,8	48,8	52,5
Secondary	20,7	23,5	27,8
Higher	12,2	20,7	27,7
Total	77,7	93	108

3. Statistical indicators for education (2004)

Level of education	Pupils/students per teacher	Pupils/students per school/faculty	Expenditure per pupil (student) KM
Primary	17	650	916
Secondary	17	734	1 082
Higher	111	811	3 103

Public administration of education

Education sector of the Tuzla Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Slatina 2, 75 000 Tuzla, tel: 035/ 281-296, fax: 035/ 283-340); and
 - Pedagogical institute (St. Efendije Kurta bb; 75 000 Tuzla; tel: 035/ 310-260; fax: 035/280-755)
- The Pedagogical institute in Tuzla Canton received 284.200 KM in 2004. The capacity of the Institute's responsibilities in Tuzla Canton is presented in table 4.

4. Scope of responsibility of Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
87	34	3 349	1 639	56 013	25 512

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute	Total
Total No. of existing staff:	11	16	27
– Education specialists:	8	12	20
– Support staff:	3	4	7
Additional staff required*	7	16	23

* According to data provided in the questionnaire

6a. Public administration expenditure of the Ministry (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	78,7	94,7	109,5
Total public administration education expenditure*	0,55	0,64	0,74
% of public administration education expenditure in total education expenditure	0,7	0,7	0,7

*This number presents the budget of the Ministry of Education, Science, Culture and Sports

6b. Public administration expenditure of the Institute (in million KM)

Pedagogical institute	2002	2003	2004
Total education expenditure:	78,7	94,7	109,5
Total public administration education expenditure	0,32	0,25	0,28
% of public administration education expenditure in total education expenditure	0,4	0,3	0,3

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialists		
	Ministry	Pedagogical institute	Total
Policy development	1	1	2
Legislation development	1	0	1
Curricula design	2	3,6	5,6
Standards setting	2	0	2
Monitoring of educational outcomes of pupils	0	3,6	3,6
Quality control of schools and teachers (inspection)	2	0	2
Teachers training	0	3,6	3,6
Financing and accounting	0	0	0
Other	0	0	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	Pedagogical institute
Human resources management	Yes	Yes
Information technology support	Yes	No
Accounting	Yes	Yes
Internal Audit	Yes	No
Procurement	Yes	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	5	3	0	0	1	6	1	0
Pedagogical institute	10	2	0	0	2	4	0	6

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	1	7	5	1	0	2
Pedagogical institute	0	0	12	12	0	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Improvement of education quality
- Shift to 9 –year primary education
- New curricula
- Professional development of teachers and management
- Curriculum for the 1st grade of 9-year primary education (preparatory class)
- Curriculum for gymnasium, applied for two years
- Capacity building of education management (post graduate studies in Education Management),
- Reform of Pedagogical institute (School Monitoring).

Training needs of the Ministry:

- Education Management
- Monitoring and quality improvement of teachers' work
- Training of teachers for work with children with special needs
- Foreign languages and information technologies
- Drafting of by/law acts and their adjustment to the European integrations
- Application of modern information technologies.

Training needs of the Pedagogical institute:

- Training in curriculum planning
- Training in Information technology (including Power Point, Internet, etc.)
- Training in new teaching methods
- Training in professional development of teachers, formative training
- Training in management in education
- Training in evaluation-assessment (self-evaluation)
- Formative training and workshop training
- Application of IT in training
- Education Management, professional achievements
- Introduction with the European standards
- Quality education, standard development, evaluation and assessment, monitoring of standards.

Zenica - Doboј Canton

Key information about the Canton:

Population:	401 137
Territory (km ²):	3 343,3
Density (inhabitants/km ²):	120
No. of municipalities:	12
Budget (million KM):	173

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education sector in Zenica-Doboј Canton:

- Law on Primary School (Official Gazette of ZDC, No. 5/04)
- Law on Secondary School (Official Gazette of ZDC, No. 5/04)
- Law on Educational Inspection (Official Gazette of FBH, No. 16/96)

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools faculties**	No. of teachers	No. of non teaching staff*	Total No. of staff*
Primary	46 673	66	2 562	81	2 643
Secondary	19 797	36	1 439	28	1 467
Higher	n/a	n/a	n/a	n/a	n/a
Total:	66 470	102	4 001	109	4 110

*This number does not include technical personnel

**This number includes number of primary schools as legal entities, while number of primary school buildings is 199.

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	34,4	35,8	36,7
Secondary	17,4	19,3	20,5
Higher	2,1	2,6	3,6
Total	53,9	57,7	60,8

3. Statistical indicators for education (2004)

Level of education	Pupils/students per teacher	Pupils/students per school/faculty	Expenditure per pupil (student) KM
Primary	18	707	817
Secondary	14	549	1039
Higher	n/a	n/a	n/a

Public administration of education

Education sector of the Zenica–Doboj Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Kučukovići 2, 72 000 Zenica, tel: 032/ 415-202, fax: 032/ 413-202); and
 - Pedagogical institute (St. Sarajevska 77; tel: 032/ 401-627; fax: 032/401-627)
- The Pedagogical institute in Zenica-Doboj Canton received 255.588 KM in 2004. The capacity of the Institute's responsibilities in Zenica-Doboj Canton is presented in table 4.

4. Scope of responsibility of Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
62	34	2594	1 442	48 050	19 409

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute	Total
Total No. of existing staff:	18	18	36
– Education specialists:	9	15	24
– Support staff:	9	3	12
Additional staff required*	15	20	35

* According to data provided in the questionnaire

6a. Public administration expenditure of the Ministry (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	62,4	64,7	66,4
Total public administration education expenditure*	2,2	0,4	0,6
% of public administration education expenditure in total education expenditure	3,5	0,6	0,9

*This number presents the budget of the Ministry of Education, Science, Culture and Sports

6b. Public administration expenditure of the Institute (in million KM)

Pedagogical institute	2002	2003	2004
Total education expenditure:	62,4	64,7	66,4
Total public administration education expenditure	0,27	0,27	0,26
% of public administration education expenditure in total education expenditure	0,4	0,4	0,4

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialists		
	Ministry	Pedagogical institute	Total
Policy development	2	1	3
Legislation development	1	1	2
Curricula design	1	4	5
Standards setting	0	0	0
Monitoring of educational outcomes of pupils	0	0	0
Quality control of schools and teachers (inspection)	3	5	8
Teachers training	0	4	4
Financing and accounting	2	0	2
Other	0	0	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	Pedagogical institute
Human resources management	No	No
Information technology support	No	Yes
Accounting	Yes	No
Internal Audit	Yes	No
Procurement	No	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	6	3	0	0	2	4	3	0
Pedagogical institute	7	8	0	0	3	4	8	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	9	6	1	2	0
Pedagogical institute	0	0	15	14	1	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

Reform of:

- Pre-primary education
- Primary education
- Secondary education
- Higher education

Training needs of the Ministry:

- Education of actors involved in the education reform with focus on present reform requirements
- Professional training in Curricula development (for pre-primary, primary and secondary education)
- Drafting, implementation and analysis methodology
- Training of teachers
- Education management development

Training needs of the Pedagogical institute:

- Education for the present reform requirements
- Modern techniques and teaching methods
- Professional training for the Curricula development
- Monitoring, assessment and evaluation of work of teachers

Bosnian-Podrinje Canton Gorazde

Key information about the Canton:

Population:	35 213
Territory (km ²):	504,6
Density (inhabitants/km ²):	69,7
No. of municipalities:	3
Budget (million KM):	21,2

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education in Bosnian-Podrinje Canton Gorazde:

- Law on Primary Education (Official Gazette of BPCG, No. 5/04)
- Law on Secondary School (Official Gazette of BPCG, No. 5/04)
- Law on Inspection in Education (Official Gazette of BPCG, No. 17/99)

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools*	No. of teachers	No. of non teaching staff**	Total No. of staff**
Primary	2 910	6	196	5	201
Secondary	1 353	3	89	2	91
Higher	n/a	n/a	n/a	n/a	n/a
Total:	4 263	9	285	7	292

*This number includes number of primary schools as legal entities.

**This number does not include technical personnel

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	2,8	3	3
Secondary	1,6	1,7	1,6
Higher	0	0	0
Total	4,4	4,7	4,6

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school	Expenditure per pupil (KM)
Primary	15	485	1 048
Secondary	15	451	1 202

Public administration of education

Education sector of the Bosnian-Podrinje Canton Gorazde is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Kulina bana 3, 73 000 Goražde; tel: 038/ 224-259, fax: 038/ 224-259); and
- Pedagogical institute (St. Kulina bana 3, 73 000 Goražde; tel: 038/ 224-259, fax: 038/ 224-259)

Pedagogical institute in Bosnian-Podrinje Canton Gorazde received 12.000 KM for 2002 and 12.000 KM for 2003, while in 2004 the Institute's budget was 3.000 KM. The capacity of the Institute's responsibilities in Bosnian-Podrinje Canton Gorazde is presented in table 4.

4. Scope of responsibility of Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
6	3	194	69	3 106	1 152

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute	Total
Total No. of existing staff:	7	1	8
– Education specialists:	5	1	6
– Support staff:	2	0	2
Additional staff required*	2	4	6

* According to data provided in the questionnaire

6a. Public administration expenditure of the Ministry (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	4,8	5,2	5,2
Total public administration education expenditure*	0,18	0,15	0,25
% of public administration education expenditure in total education expenditure	3,8	2,9	4,8

*This number presents the budget of the Ministry of Education, Science, Culture and Sports

6b. Public administration expenditure of the Institute (in million KM)

Pedagogical institute	2002	2003	2004
Total education expenditure:	4,8	5,2	5,2
Total public administration education expenditure	0,012	0,012	0,003
% of public administration education expenditure in total education expenditure	0,3	0,2	0,1

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialists		
	Ministry	Pedagogical institute	Total
Policy development	1	1	2
Legislation development	1	0	1
Curricula design	0	0	0
Standards setting	1	0	1
Monitoring of educational outcomes of pupils	0	0	0
Quality control of schools and teachers (inspection)	1	0	1
Teachers training	0	0	0
Financing and accounting	1	0	1
Other	0	0	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	Pedagogical institute
Human resources management	No	No
Information technology support	No	Yes
Accounting	No	No
Internal Audit	No	No
Procurement	No	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	4	1	0	1	0	3	1	0
Pedagogical institute	1	0	0	0	0	0	1	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	5	1	1	1	2
Pedagogical institute	0	0	1	1	0	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities of the Ministry:

- Development of legislation
- Implementation of legislation
- Introduction of nine-year education
- Development of various projects which will contribute to the education reform

Policy priorities of the Institute:

- Rationalisation of personnel, space and equipment in schools
- Liberalisation and democratisation, greater role of students, parents and local community
- Promotion of values and responsibilities

Training needs:

The Ministry of Education, Science, Culture and Sports emphasised the importance of different types of seminars which would provide the necessary training of its staff.

The Pedagogical institute emphasised the importance of redefining fundamental knowledge/practice of teachers since there is a discrepancy between the contents and methods applied in schools and the requirements of the European Union.

Central Bosnia Canton

Key information about the Canton:

Population:	252 673
Territory (km ²):	3 189
Density (inhabitants/km ²):	79
No. of municipalities:	12
Budget (million KM):	99,2

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education in Central Bosnia Canton:

- Law on Primary Education (Official Gazette of CBC, No.11/01, and HR Decision of 7 July 2004)
- Law on Secondary Education (Official Gazette of CBC, No.11/01, and HR Decision of 7 July 2004)

Besides these laws, the Ministry undertakes drafting/amending of education legislation for higher education.

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools*	No. of teachers	No. of non teaching staff**	Total no. of staff**
Primary	30 291	54	1 447	608	2 145
Secondary	12 215	25	730	238	968
Higher	n/a	n/a	n/a	n/a	n/a
Total:	42 506	79	2 177	846	3 113

*This number includes number of primary schools as legal entities.

**This number includes technical personnel

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	21,2	21,2	25,7
Secondary	11,7	12,2	12,8
Higher	2,0	2,0	2,8
Total	34,9	35,4	41,3

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school	Expenditure per pupil (KM)
Primary	20	560	858
Secondary	16	488	951

Public administration of education

Education sector of the Central Bosnia Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Staničina 43, 72 270 Travnik; tel: 030/ 511-214; fax: 030/ 510-452) and
 - Institute for School Affairs (St. Zrinskog Frankopana 7, 88 000 Mostar; tel: 036/ 316-655; fax: 036/ 316-655)
- Central Bosnia Canton financed the Institute for School Affairs in amount of 1.333 000 KM in 2004 – as presented in the questionnaire - for activities which encompass the Institute's mandate (the designing of curricula, supervision related to the implementation of the curricula, realisation of professional exams, etc). The capacity of the Institute's responsibilities in Central Bosnia Canton is presented in table 4.

4. Scope of responsibility of Institute for School affairs (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
20	12	695	337	10 739	5 803

5. No. of public administration staff (2004)

	Ministry
Total No. of existing staff:	18
– Education specialists:	10
– Support staff:	8
Additional staff required*	9

* According to data provided in the questionnaire

6. Public administration expenditure (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	39,4	36,7	44,8
Total public administration education expenditure*	0,07	0,32	0,50
% of public administration education expenditure in total education expenditure	0,2	0,9	1,1

*This number presents the budget of the Ministry of Education. Science, Culture and Sports

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Ministry
Policy development	1
Legislation development	1
Curricula design	2
Standards setting	2
Monitoring of educational outcomes of pupils	0
Quality control of schools and teachers (inspection)	2
Teachers training	0
Financing and accounting	2
Other	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry
Human resources management	No
Information technology support	Yes
Accounting	Yes
Internal Audit	Yes
Procurement	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	8	2	0	0	3	5	2	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	10	7	1	2	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Development of the legislation
- Elaboration of by-law acts
- Shift to 9-year education concept
- Reform of primary and secondary education
- Reform of vocational secondary education

Training needs:

The Ministry of Education, Science, Culture and Sports mentioned the following needs related to training which will facilitate achievements and implementation of the EU education standards. These are:

- Education of Ministry's employees;
- Exchange of experiences;
- Education of inspectors on unique approach and criteria of supervision;
- Education on constant monitoring of teaching process;
- Education on elaboration of annual curricula for primary and secondary schools;
- Introduction to achievements of developmental psychology and its application according to the age of students;
- Introduction of new methodologies in the teaching process and application of new technologies;
- Experience from neighbouring countries in elaboration and harmonisation with EU school curricula.

Herzegovina-Neretva Canton

Key information about the Canton:

Population:	224 535
Territory (km ²):	4 401
Density (inhabitants/km ²):	51
No. of municipalities:	9
Budget (million KM):	124,9

Level of education (primary, secondary and higher)

The following legal act presents the legal framework for education in Herzegovina-Neretva Canton:

- Law on Primary Up-bringing and Education (Official Gazette of HNC, No. 5/00, 1/04)
- Law on Secondary Education (Official Gazette of HNC, No. 8/00, 1/04)
- Law on University in Mostar (Official Gazette of CRHB, No. 32/94-44/96)
- Law on University (Official Gazette of SRBiH, No. 39/90)

The Ministry undertakes drafting/amending of education legislation in the following education policy areas: preparatory, primary and secondary education.

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools/faculties*	No. of teachers	No. of non teaching staff**	Total No. of staff**
Primary	23 087	43	1 467	31	1 498
Secondary	10 836	27	897	17	914
Higher:					
University "Džemal Bijedić"	3 729	8	107	n/a	107
Sveučilište u Mostaru	5 277	9	191	n/a	191
Total	22 149	87	2 662	48	2 710

*This number includes number of primary schools as legal entities. No. of faculties includes first stage higher schools, higher schools and academies.

**This number does not include technical personnel. For higher education division of teaching and non teaching staff is not available.

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	19,8	23,6	25,3
Secondary	11,7	14,0	14,5
Higher	5,1	6,9	6,6
Total	36,6	44,5	46,4

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school/faculty*	Expenditure per pupil/student (KM)
Primary	16	536	1 097
Secondary	12	401	1 340
Higher	30	529	732

Public administration of education

Education sector of the Herzegovina-Neretva Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Stjepana Radića 3, 88 000 Mostar; tel: 036/ 316-792; fax: 036/ 316-792);
 - Cantonal Pedagogical institute Mostar (St. Kampus Sjeverni logor, 88 000 Mostar, tel:036/562-837; fax:036/570-045) and
 - Institute for School Affairs (St. Zrinskog Frankopana 7, 88 000 Mostar; tel: 036/ 316-655; fax: 036/ 316-655)
- Herzegovina-Neretva Canton financed the two Institutes in amount of 405.800 KM in 2004, whereof Pedagogical institute Mostar in amount of 202.000 KM. The capacity of the responsibilities of these two Institutes in Herzegovina-Neretva Canton is presented in tables 4a and 4b. Since the Institute for School Affairs serves to five Cantons it is presented in a separate institutional profile, while the profile of the Pedagogical institute Mostar is herein enclosed.

4a. Scope of responsibility of the Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
21	13	729	441	9 916	4 537

5b. Scope of responsibility of the Institute for School Affairs (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
24	15	833	456	13 207	6 059

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute
Total No. of existing staff:	12	9
– Education specialists:	12	6
– Support staff:	0	3
Additional staff required*	2	6

* According to data provided in the questionnaire

6a. Public administration expenditure of the Ministry (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	37,3	46,4	49,8
Total public administration education expenditure*	0,61	1,76	2,44
% of public administration education expenditure in total education expenditure	1,6	3,8	4,9

*This number presents the budget of the Ministry of Education, Science, Culture and Sports

6b. Public administration expenditure of the Institute (in million KM)

Pedagogical institute	2002	2003	2004
Total education expenditure:	37,3	46,4	49,8
Total public administration education expenditure	0,15	0,20	0,20
% of public administration education expenditure in total education expenditure	0,4	0,4	0,4

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialist		
	Ministry	Pedagogical Institute	Total
Policy development	2	0	2
Legislation development	0	0	0
Curricula design	0	0	0
Standards setting	0	0	0
Monitoring of educational outcomes of pupils	5	6	11
Quality control of schools and teachers (inspection)	5	0	5
Teachers training	0	0	0
Financing and accounting	0	0	0
Other	0	0	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	PI
Human resources management	No	Yes
Information technology support	No	Yes
Accounting	Yes	Yes
Internal Audit	No	Yes
Procurement	Yes	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	10	2	0	1	2	4	5	0
Pedagogical Institute	2	4	0	0	2	3	1	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	2	10	11	1	0	0
Pedagogical Institute	0	0	6	5	1	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Reform of education
- Training and teachers' in-service development
- Capacity building of the Pedagogical institute Mostar

Training needs of the Ministry:

- Seminars on education management
- Study tours
- Training in legal issues

Training needs of the Institute:

- Modern trends and curricula
- Education management
- Contemporary approaches in the evaluation process
- Methodology of pedagogical research
- Monitoring and evaluation of education outcomes

West Herzegovina Canton

Key information about the Canton:

Population:	81 522
Territory (km ²):	362,2
Density (inhabitants/km ²):	225
No. of municipalities:	4
Budget (million KM):	48,8

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education in West Herzegovina Canton:

- Law on Primary Education (Official Gazette of WHC, No. 6/04, 8/04, and HR Decision of 7 July 2004)
- Law on Secondary Education (Official Gazette of WHC, No. 6/04, 8/04, and HR Decision of 7 July 2004)

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools*	No. of teachers	No. of non teaching staff	Total No. of staff
Primary	10 357	13	624	191	815
Secondary	3 485	6	243	73	254
Higher	n/a	n/a	n/a	n/a	n/a
Total:	13 842	19	845	264	1 069

*This number includes number of primary schools as legal entities.

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	11,6	12,6	13,0
Secondary	4,2	5,5	5,6
Higher	1,8	1,8	1,8
Total	17,6	19,9	20,4

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school	Expenditure per pupil/student (KM)
Primary	17	796	1 264
Secondary	14	580	1 619

Public administration of education

Education sector of the West Herzegovina Canton is administered by two institutions:

- Ministry of Education, Science, Culture and Sports (St. Stjepana Radića 3, 88 220 Široki Brijeg; tel: 039/ 703-230; fax: 039/ 703-235) and
 - Institute for School Affairs (St. Zrinskog Frankopana 7, 88 000 Mostar; tel: 036/ 316-655; fax: 036/ 316-655)
- The capacity of the Institute's responsibilities in West Herzegovina Canton is presented in table 4.

4. Scope of responsibility of Institute for School Affairs (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
15	6	567	311	9 674	

5. No. of public administration staff (2004)

	Ministry
Total No. of existing staff:	7
– Education specialists:	5
– Support staff:	2
Additional staff required*	11

* According to data provided in the questionnaire

6. Public administration expenditure (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	19,5	21,5	21,6
Total public administration education expenditure*	0,74	0,46	0,53
% of public administration education expenditure in total education expenditure	3,8	2,1	2,5

*This number presents the budget of the Ministry of Education, Science, Culture and Sports

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Ministry
Policy development	1
Legislation development	1
Curricula design	0
Standards setting	1
Monitoring of educational outcomes of pupils	0
Quality control of schools and teachers (inspection)	1
Teachers training	0
Financing and accounting	1
Other	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry
Human resources management	No
Information technology support	Yes
Accounting	Yes
Internal Audit	No
Procurement	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	3	2	0	1	1	0	3	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	3	2	3	1	1	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Reform of primary and secondary education
- Education of teachers and other employees in the schools

Training needs:

Ministry of Education, Science, Culture and Sports mentioned the following training needs in domain of:

- Information technologies
- Introduction with the newest regulations and regulations amendments.

Sarajevo Canton

Key information about the Canton:

Population:	401 687
Territory (km ²):	1 277
Density (inhabitants/km ²):	315
No. of municipalities:	9
Budget 2004 (million KM):	482,6

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education in Sarajevo Canton:

- Law on Primary and Upbringing Education (Official Gazette of CS, No. 10/04)
- Law on Secondary Education (Official Gazette of CS, No. 10/04)
- Law on Higher Education (Official Gazette of CS, No.17/99,14/00)
- Law on Educational Inspection (Official Gazette of CS, No. 9/00)

The laws are followed with provisions such as Standards and Norms, Curricula, Regulations, Instructions, Criteria, etc. declared by the Cantonal Government and the Minister.

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools /faculties*	No. of teachers	No. of non teaching staff**	Total No. of staff**
Primary	41 553	69	3 263	134	3 397
Secondary	20 793	38	1 673	63	1 736
Higher	32 689	30	1 275	-	1 275
Total:	95 035	137	6 211	197	6 408

*This number includes number of primary schools as legal entities. It also includes higher schools, first stage higher schools and academies

**This number does not include technical personnel

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	45,0	50,1	55,6
Secondary	32,9	38,4	41,8
Higher	34,2	36,2	37,9
Total	112,1	124,7	135,3

3. Statistical indicators for education (2004)

Level of education	Pupils/students per teacher	Pupils/students per school/faculty	Expenditure per pupil/student (KM)
Primary	13	602	1 432
Secondary	12	547	1 885
Higher	25	1 089	1 159

Public administration of education

Education sector of the Sarajevo Canton is administered by two institutions:

- Ministry of Education and Science (St. Reisa Džemaludina Čauševića 1, Sarajevo, tel: 033/ 443-634, fax: 033/ 211-487); and
 - Pedagogical institute (St. Maršala Tita 54/3, tel: 033/ 220-967; 668-501, fax: 033/214 890)
- The Ministry and the Pedagogical institute in Sarajevo Canton present one legal entity with one budget.

4. Scope of responsibility of the Pedagogical institute (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
70	38	2616	1576	38185	21700

5. No. of public administration staff (2004)

	Ministry	Pedagogical institute	Total
Total No. of existing staff:	14	34	48
– Education specialists:	12	25	37
– Support staff:	2	9	11
Additional staff required*	n/a	17	n/a

* According to the Ministry's Book of Rules

6. Public administration expenditure (in million KM)

Ministry and Pedagogical institute	2002	2003	2004
Total education expenditure:	120,5	134,4	147,5
Total public administration education expenditure*	1,80	1,72	3,47
% of public administration education expenditure in total education expenditure	1,5	1,3	2,4

*This number presents the budget of the Ministry of Education and Science

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialists		
	Ministry	Pedagogical institute	Total
Policy development	1	1	2
Legislation development	1	0	1
Curricula design	0	0	0
Standards setting	0	0	0
Monitoring of educational outcomes of pupils	4	0	4
Quality control of schools and teachers (inspection)	3	21	24
Teachers training	0	0	0
Financing and accounting	3	0	3
Other	0	3	3

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry	Pedagogical institute
Human resources management	No	No
Information technology support	Yes	No
Accounting	No	No
Internal Audit	No	No
Procurement	No	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	4	8	0	0	2	5	5	0
Pedagogical institute	10	15	0	0	3	6	16	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	12	8	1	3	0
Pedagogical institute	0	2	23	25	0	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Primary education reform (shift to the compulsory 9-year education)
- Secondary education reform
- Higher education reform (in accordance with Bologna Declaration and Lisbon Agreement)

Training needs:

The Ministry of Education and Science and the Pedagogical institute need the training which will facilitate achievements and implementation of the European standards in the education system with an emphasis on personnel training within the planning and programming sector.

Canton 10

Key information about the Canton:

Population:	84 259
Territory (km ²):	4 934,1
Density (inhabitants/km ²):	17
No. of municipalities:	6
Budget (million KM):	34,9

Level of education (primary, secondary and higher)

The following legal acts present the legal framework for education in Canton 10:

- Law on Primary School (Official Gazette of Canton 10, HR Decision of 7 July 2004)
- Law on Secondary Education (Official Gazette of Canton 10, HR Decision of 7 July 2004)

Besides these laws the Ministry undertakes drafting/amending of education legislation for higher education.

1. General statistical data for education (2004)

Level of education	No. of pupils (students)	No. of schools*	No. of teachers	No. of non teaching staff**	Total No. of staff**
Primary	6 540	9	439	11	450
Secondary	2 673	8	229	2	231
Higher	n/a	n/a	n/a	n/a	n/a
Total:	9 213	17	668	13	681

* This number includes number of primary schools as legal entities.

**This number does not include technical personnel

2. Education public expenditure (in million KM)

Level of education	Budget 2002	Budget 2003	Budget 2004
Primary	6,4	7,2	7,7
Secondary	3,3	3,8	3,9
Higher	0,4	0,5	0,6
Total	10,1	11,5	12,2

3. Statistical indicators for education (2004)

Level of education	Pupils per teacher	Pupils per school	Expenditure per pupil (KM)
Primary	15	726	1 180
Secondary	334	12	1 451

Public administration of education

Education sector of the Canton 10 is administered by two institutions:

- Ministry of Science, Education, Culture and Sports (St. Stjepana III Kotromanića, 88 000 Livno; tel: 034/ 200-900; fax: 034/ 200-472) and
- Institute for School Affairs (St. Zrinskog Frankopana 7, 88 000 Mostar; tel: 036/ 316-655; fax: 036/ 316-655)

- The capacity of the Institute's responsibilities in Canton 10 is presented in table 4.

4. Scope of responsibility of the Institute for School Affairs (2004)

No. of schools		No. of teachers		No. of pupils	
primary	secondary	primary	secondary	primary	secondary
20	12	695	337	10 739	5 803

5. No. of public administration staff (2004)

	Ministry
Total No. of existing staff:	9
– Education specialists:	8
– Support staff:	1
Additional staff required*	

* According to data provided in the questionnaire

6. Public administration expenditure (in million KM)

Ministry	2002	2003	2004
Total education expenditure:	10,2	11,8	12,6
Total public administration education expenditure*	0,15	0,21	0,25
% of public administration education expenditure in total education expenditure	1,5	1,8	2,0

*This number presents the budget of the Ministry of Science, Education, Culture and Sports

Functions and characteristics of public administration specialists in education

7. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Ministry
Policy development	1
Legislation development	4
Curricula design	1
Standards setting	0
Monitoring of educational outcomes of pupils	0
Quality control of schools and teachers (inspection)	1
Teachers training	0
Financing and accounting	1
Other	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Ministry
Human resources management	No
Information technology support	No
Accounting	Yes
Internal Audit	No
Procurement	Yes

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Ministry	5	3	0	3	2	3	0	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Ministry	0	0	8	4	4	0	0

Perception of development needs of public administration institutions of education sector

(Based on the information provided in the questionnaire)

Policy priorities:

- Development of the legislation
- Elaboration of by-law acts
- Shift to 9-year education concept
- Primary and secondary education reform
- Secondary vocational education reform

Training needs:

The Ministry of Science, Education, Culture and Sports mentioned the following needs related to the training which will facilitate achievements and implementation of the EU education standards. These are:

- Education of Ministry's employees;
- Exchange of experiences;
- Education of inspectors on unique approach and criteria of supervision;
- Education on constant monitoring of teaching process;
- Education on elaboration of annual curricula for primary and secondary schools;
- Introduction to achievements of developmental psychology and its application according to the age of students;
- Introduction of new methodologies in the teaching process and application of new technologies;
- Experience from neighbouring countries in elaboration and harmonisation with EU school curricula.

Institute for School Affairs

Key information about the Institute

- Established in 2004
- Serves to schools which apply Croat Curriculum in BiH
- Placed in Mostar (Herzegovina-Neretva Canton)
- Branch offices in the following Cantons:
 - Herzegovina-Neretva
 - West-Herzegovina
 - Posavina
 - Central Bosnia
 - Canton 10

Contact details:

- Institute for School Affairs, St. Zrinskog Frankopana 7, 88 000 Mostar; tel: 036/ 316-655; fax: 036/ 316-655

The following legal acts present the legal framework for activities of the Institute:

- Law on Primary Up-bringing and Education (Official Gazette of HNC, No. 5/00, 1/04)
- Law on Secondary Education (Official Gazette of HNC, No. 8/00, 1/04)
- Law on Primary Education (Official Gazette of West Herzegovina Canton, No. 6/04, 8/04, and HR Decision of 7 July 2004)
- Law on Secondary Education (Official Gazette of West Herzegovina Canton, No. 6/04, 8/04, and HR Decision of 7 July 2004)
- Law on Primary School (Official Gazette of PC, No. 3/04 and 4/04)
- Law on Secondary School (Official Gazette of PC, No. 3/04, 4/04)
- Law on Primary Education (Official Gazette of Central Bosnia Canton, No.11/01, and HR Decision of 7 July 2004)
- Law on Secondary Education (Official Gazette of Central Bosnia Canton, No.11/01, and HR Decision of 7 July 2004)
- Law on Primary School (Official Gazette of Canton 10, HR Decision of 7 July 2004)
- Law on Secondary Education (Official Gazette of Canton 10, HR Decision of 7 July 2004)

The capacity of the Institute's responsibilities

1. Scope of responsibility of the Institute for School Affairs (2004)

Cantons it serves	No. of schools		No. of teachers		No. of pupils	
	primary	secondary	primary	secondary	primary	secondary
Herzegovina-Neretva	24	15	833	456	13 207	6 059
West-Herzegovina	15	6	567	311	9 674	
Posavina	7	3	213	135	4 015	1 963
Central Bosnia	20	12	695	337	10 739	5 803
Canton 10	9	8	456	247	6 683	2 676

2. No. of public administration staff (2004)

	Institute
Total No. of existing staff:	14
– Education specialists:	8
– Support staff:	6
Additional staff required*	25

* According to data provided in the questionnaire

3. Cantonal grants to the Institute in 2004 (KM)*

Cantons	Grants - approved	Grants - realized
Herzegovina-Neretva	203.000	185.400
West-Herzegovina	60.000	30.000
Posavina	n/a	2.000
Central Bosnia	n/a	n/a
Canton 10	60.000	25.000

*As presented by the Institute

Functions and characteristics of staff

7. Allocation of staff according to functions (2004)

Function performed	Education specialist
	Institute for School Affairs
Policy development	0
Legislation development	0
Curricula design	2
Standards setting	2
Monitoring of educational outcomes of pupils	2
Quality control of schools and teachers (inspection)	1
Teachers training	1
Financing and accounting	0
Other	0

8. Presence of a post or unit with responsibility for key management functions (2004)

Function	Institute
Human resources management	No
Information technology support	Yes
Accounting	Yes
Internal Audit	No
Procurement	No

9. Gender and age characteristics of staff (2004)

Institution	Gender		Age					
	Male	Female	< 25	25-34	35-44	45-54	55-64	> 65
Institute	7	1	0	0	1	1	6	0

10. Education characteristics of staff (2004)

Administrative level / institution	Level of education			Educational background			
	Secondary	Higher (1 st stage)	Higher	Pedagogical	Law	Economics	Other
Institute	0	0	8	8	0	0	0

Box 1. Data collection, accuracy and problems with data reliability

One of the main problems during the FR of education sector was data collection in terms of availability of accuracy and reliable data. In order to highlight the problem, which is not isolated example, we would use the data from different sources¹ about realized budget (public expenditure in education) in 2002 and 2003 for two out of ten cantons in BiH. The bigger canton has about 550.000 and the smaller one around 45.000 inhabitants.

In general, the cantons have been selected due to the following reasons:

- It is the lowest authority level in BiH that is eligible, according to legal provisions, to set up the Ministry of Education, Pedagogical institute, or any other educational institutions
- It is the lowest authority level in BiH that independently drafts its budget for education
- The cantons are obliged to send the annual report on education expenditure to the Ministry of Finance FBiH, which aggregates the data for the whole FBiH

Example for Canton A (approximately 550.000 inhabitants)**Table 1 Realized budget (in millions KM)**

Source of data	Official Gazette	Cantonal MoE	MoFFBiH	OSCE	World Bank	Our calculation ²
Budget 2002	81,6	78,7	89,5	89,5	81,6	78,7
Budget 2003	97,5	84,7	89,3	93,0	97,5	94,7

Example for Canton B (approximately 45.000 inhabitants)**Table 1 Realized budget (in millions KM)**

Source of data	Official Gazette	Cantonal MoE	MoFFBiH	OSCE	World Bank	Our calculation ³
Budget 2002	7,6	7,6	5,8	7,3	7,6	7,0
Budget 2003	7,9	7,8	7,2	8,6	7,9	7,3

Based on above-mentioned examples the problems in respect to reliability and accuracy of data about public education expenditure in BiH are more than obvious.

If we compare the data for **Canton A**, the difference between the highest and the lowest figure is 13,7% in 2002, and 15,1% in 2003, which could be very significant in terms of the impact on the conclusions that might have been made on the basis of these data.

The difference between the highest and the lowest figure for **Canton B** is 31,0% for 2002, and 19,4% for 2003, which is even bigger gap than in previous one.

¹ Official Gazette, Ministry of Education, Ministry of Finance FBiH, OSCE report 2004, World Bank Report 2003.

² Without expenditure for sport and culture.

³ Without expenditure for sport and culture.

