

**The report on serial of seminars
" Capacity building of teachers of Kyrgyzstan
in biodiversity conservation "
within the framework of the project " School Green Land "**

Seminar № 1

Place: Bishkek, academy of Management at the president of Kyrgyz Republic

Time: February 6-8, 2003.

Trainers: Postnova Evgeniya, Domashov Ilya., Korotenko Vladimir., Mamytova Aina,
Glooshkova Marina

Number of teachers, participating in seminar: 19

The program of seminar:

Day 1

February 6, 2003

Thursday

8.30 - 9.00	Registration of the participants
9.00 - 9.15	Opening of a seminar Greeting Vladimir Korotenko , Chairman of Council YEM“BIOM” Jonathan Oldham , the expert of British organization “Field Studies Council”
9.15 – 10.30	Representation of the program of a seminar. Acquaintance of the participants. Detection of waitings and definition of rules of a team working.
10.30 - 11.00	Session 1 - "Project "School Green Land", as a way of implementation of the school initiatives in biodiversity conservation of Kyrgyzstan " – Postnova Evgeniya
11.00 - 11.15	<i>Coffee break</i>
11.15 - 13.00	Session 2 - "Ecological Education and Sustainable Development" – Korotenko. Vladimir
13.00 - 14.00	<i>Dinner</i>
14.00 - 15.30	Session 3 – " Principles of ecosystems' sustainability. Main ecosystems of Kyrgyzstan." - expert - on biodiversity Shukurov Emil
15.30 - 15.45	<i>Coffee break</i>
15.45 - 17.15	Session 4 - " Using school microreserves in educational activity of school " – Jonathan Oldham, expert of the British public organization “Field Studies Council”
17.15 - 17.30	Assessment of works and summarizing of the first day

Day 2

February 7, 2003

Friday

9.00 - 9.15	Previous day results discussion.
9.15- 10.30	Session 5 – “Climatic zones of Kyrgyzstan. Microclimate” - expert – climatologist Podrezov Oleg
10.30- 11.15	Session 6 - " Review of ecological education programs and procedure of their creation " - Subanova Meilkan, expert of Kyrgyz Institute of Education
11.15 - 11.30	<i>Coffee break</i>

11.30 - 13.00	Session 7 - "Interactive methods in ecological education" - Jonathan Oldham
13.00 - 14.00	<i>Dinner</i>
14.00 - 15.00	Project studio "Creation of educational area around microreserves"
15.00- 15.15	<i>Coffee break</i>
15.15- 16.45	Project studio "Creation of educational area around microreserves" (continuation)
16.45 - 17.00	Assessment of works and summarizing of the second day <u>Day 3</u>

February 8, 2003

Saturday

9.00 - 9.15	Previous day results discussion.
9.15- 10.00	Session 8 - " Attraction of local community's recourses for microreserves creation and working " – Mamytova Aina
10.00- 11.15	Session 9 - " Technologies of microreserves creation and fundamentals of ecological design" – Domashov Ilya
11.15- 11.30	<i>Coffee break</i>
11.30- 12.45	Project studio "Creation and management of microreserves" – teachers work on plans of their microreserves
12.45 - 13.00	Conclusion of seminar work.

Analysis of evaluation sheets:

The most difficult for the teachers of schools from Bishkek city and Chu and Talas regions were the following themes:

- Sustainable Development (25 %);
- Creation of educational activity around microreserves (15 %);
- Review of the programs on ecological education in Kyrgyzstan (15 %);
- There were not difficult themes (45 %).

The most interesting for the teachers of schools from Bishkek city and Chu and Talas regions were the following themes:

- Interactive methods (20 %)
- Technologies of microreserves creation. Ecological design (15 %)
- Lecture of professor Podrezov " Climatic zones of Kyrgyzstan " (15 %);
- Lecture of professor Shukurov "Principles of ecosystems' stability. Main Ecosystems of Kyrgyzstan" (10 %)
- Experience of English schools and public organizations in the field of education for biodiversity conservation (15 %);
- Creation of educational activity around microreserves (25 %).

Estimations of the first seminar:

To question " Your opinion about success of seminar's purpose reaching? " the mean rate has compounded 3,55, that corresponds to estimation "Well", " Very well".

To question " Whether you feel satisfaction from seminar? " the mean rate has compounded 3,27, that corresponds to estimation "Well".

To question " Your opinion about methods, used on seminar?" the mean rate has compounded 3,27, that corresponds to estimation "Well".

Seminar № 2

Place: Osh, Southern residence of president Akaev

Time: March 13-14, 2003.

Trainers: Domashov Ilya., Korotenko Vladimir., Mamytova Aina, Sulaimanova Gulnara

Number of teachers, participating in seminar: 17

The program of seminar:

13 March 2003, Thursday

8.30 – 9.00	Registration of the participants
9.00 – 9.15	Opening of a seminar. Greeting: Vladimir Korotenko , Chairman of Council YEM“BIOM”
9.15 – 10.15	Representation of the program of a seminar. Acquaintance of the participants. Detection of waitings and definition of rules of a team working. Aina Mamytova , Academy of Management at the president of Kyrgyz Republic
10.15 – 10.45	“Aims and working plan of “School Green Land” project . Concept of school microreserve” - Aina Mamytova
10.45 – 11.00	Coffee break
11.00 – 13.00	“Ecological Education and Sustainable Development” – Korotenko. Vladimir
13.00 – 14.00	Dinner
14.00 – 15.00	“Principles of ecosystems’ sustainability. Main ecosystems of Kyrgyzstan.” – video lecture of professor Shukurov Emil
15.00-15.45	«Interactive methods in ecological education» Alexey Kurohtin, YEM «BIOM», coordinator of educational programs for youth
15.45–16.00	Coffee break
16.00–17.30	Project studio «Creation of educational area around microreserves» - Korotenko. Vladimir
17.15 – 17.30	Assessment of works and summarizing of the first day Optional course «Laboratory of ecological games» (on agreement with participants) - Alexey Kurohtin

14 March 2003, Friday

9.00 – 9.15	Previous day results discussion.
9.15– 10.30	Video lecture of professor Podrezov «Climatic zones of Kyrgyzstan. Microclimate»
10.30–10.45	Coffee break
10.45-12.00	“ Technologies of microreserves creation and fundamentals of ecological design” – Domashov Ilya
12.00– 13.00	“ Concept of local community. Attraction of local community’s recourses for microreserves creation and working ” – Mamytova Aina
13.00–14.00	Dinner
14.00–15.30	Project studio «Creation and management of microreserves» – teachers work on plans of their microreserves
15.30–15.45	Coffee break
15.45–16.45	Presentation of school microreserves plans
16.45–17.30	Assessment of works and summarizing of the second day Conclusion of seminar

Analysis of evaluation sheets:

The most difficult for the teachers of schools from Osh and Jalal-Abad regions were the following themes:

- Video lecture of professor Shukurov (10 %);
- Education Sustainable Development (20 %);
- Video lecture of professor Podrezov (15 %);
- Creation of management plans of microreserves (30 %);
- There were not difficult themes (25%).

The most interesting for the teachers of schools from Osh and Jalal-Abad regions were the following themes:

- Technologies of microreserves creation. Ecological design (20 %);
- Ecological education for Sustainable Development (35 %);
- Creation of management plans of microreserves (15 %);
- Engaging of resources of domestic community (10 %);
- Interactive methods in ecological education (20 %).

Estimations of the first seminar:

To question " Your opinion about success of seminar's purpose reaching? " the mean rate has compounded 3,78, that corresponds to estimation "Well", " Very well".

To question " Whether you feel satisfaction from seminar? " the mean rate has compounded 3,71, that corresponds to estimation "Well", " Very well".

To question " Your opinion about methods, used on seminar?" the mean rate has compounded 3,28, that corresponds to estimation "Well".

Seminar № 3

Place: Bishkek city, "Kyrgyzaltyn" hotel

Time: March 27-28, 2003.

Trainers: Domashov Ilya., Postnova Evgeniya, Korotenko Vladimir., Mamytova Aina, Glooshkova Marina, Kaseyeva Gulnaz

Number of teachers, participating in seminar: 19

The program of seminar:

27 March 2003, Thursday

8.30 – 9.00	Registration of the participants
9.00 – 9.15	Opening of a seminar. Greeting: Vladimir Korotenko , Chairman of Council YEM"BIOM"
9.15 – 10.00	Representation of the program of a seminar. Acquaintance of the participants. Detection of waitings and definition of rules of a team working. Ilya Domashov , YEM "BIOM", coordinator of Sustainable Development programs
10.00 – 10.30	"Aims and working plan of "School Green Land" project . Concept of school microreserve" – Postnova Evgeniya, School Green Land" project coordinator
10.30– 11.00	Prezentation of international programs in the field of environment protection, working in Kyrgyzstan Andrei Boiko , Central Asian transboundary project of GEF on biodiversity conservation, regional specialist on public relations

Gulmira Ryskulova, intergovernmental project TACIS West Tien Shan biodiversity conservation, expert on public relations and ecological education

11.00 – 11.15

Coffee break

11.15– 13.00

«**Ecological education for Sustainable Development**» - Vladimir Korotenko

13.00 – 14.00

Dinner

14.00 – 15.00

«**Using of microreserves in educational activity of schools as one of the ways of realization of ideas of Education for Sustainable Development**»

Postnova Evgeniya

15.00 – 15.45

«**Interactive methods in ecological education**» - Alexey Kurohtin, YEM «BIOM», coordinator of educational programs for youth

15.45 – 16.00

Coffee break

16.00 – 17.15

Project studio «**Creation of educational area around microreserves**» - Marina Glooshkova

17.15 – 17.30

Assessment of works and summarizing of the first day

28 March 2003, Friday

9.00 – 9.15

Previous day results discussion.

9.15 – 10.45

" **Review of ecological education programs and procedures of their creation and approval**" - Subanova Meilkan, expert of Kyrgyz Institute of Education

10.45 – 11.00

Coffee break

11.00 – 12.30

«**Principles of ecosystem's sustainability. Main ecosystems of Kyrgyzstan**» - Iliya Domashov

12.30 – 13.00

«**Using of technologies of alternative energy on school microreserves**» - Smailov Abdula, YEM «BIOM», coordinator of project "Wastes to profits"

13.00 – 14.00

Dinner

14.00 – 14.45

" **Concept of local community. Attraction of local community's recourses for microreserves creation and working** " – Mamytova Aina

14.45 – 15.45

" **Technologies of microreserves creation and fundamentals of ecological design**" – Domashov Iliya

15.45 – 16.00

Coffee break

16.00 – 17.15

Project studio «**Creation and management of microreserves**» – teachers work on plans of their microreserves

17.15 – 17.30

Assessment of works and summarizing of the second day
Conclusion of seminar

Analysis of evaluation sheets:

The most difficult for the teachers of schools from Issyk-Kul and Naryn regions were the following themes:

- Creation of educational activity around microreserves (20%);
- Review of the programs on ecological education in Kyrgyzstan (25%);
- Ecological education for Sustainable Development (30%);
- There were not difficult themes (25%)

The most interesting for the teachers of schools from Issyk-Kul and Naryn regions were the following themes:

- Ecological education for Sustainable Development (15%);
- Principles of ecosystems' stability. Main Ecosystems of Kyrgyzstan (10%);
- Review of the programs on ecological education in Kyrgyzstan (3%);

- Interactive methods in ecological education (25%);
- Attraction of local community's recourses (7%);
- Using of technologies of alternative energy on school microreserves (20%);
- Aims and working plan of "School Green Land" project (5%);
- Creation of management plans of microreserves (15%).

Estimations of the first seminar:

To question " Your opinion about success of seminar's purpose reaching? " the mean rate has compounded 3,83, that corresponds to estimation "Well", " Very well".

To question " Whether you feel satisfaction from seminar? " the mean rate has compounded 3,67, that corresponds to estimation "Well", " Very well".

To question " Your opinion about methods, used on seminar?" the mean rate has compounded 3,75, that corresponds to estimation "Well", " Very well".