CRICED – University of Tsukuba

15th of July, 2005

<p style="text-align:center">C O N C L U S I O N S
FROM THE MEETING ABOUT COOPERATION OF JAPAN AND BOSNIA
AND HERZEGOVINA IN THE FIELD OF MATHEMATICS AND
INFORMATICS EDUCATION,
AND
THE FUTURE PLANS FOR DEVELOPMENT OF PROJECTS;
"PROMOTION OF ICT AND DEVELOPMENT OF E-LEARNING FOR
BOSNIA AND HERZEGOVINA"
AND COLABORATIVE RESEARCH</p>

Meeting participants:

Prof. Marinko Pejic, Prof. Niko Susac, Prof. Djuradj Puhalic, Prof. Karmelita Pjanic, Prof. Valentina Mindoljevic, Dipl. Ing. Ljubomir Petkovic,

Prof. Masami ISODA, Prof. Kyoko KAKIHANA, Prof. Takeshi MIYAKAWA, Prof. Kazuhiro AOYAMA, Prof. Takafusa OKAMURA.

CONCLUSION

The meeting of the trainees, invited professors from Bosnia & Herzegovina and trainers in Tsukuba has successfully done. We agreed following points;

1. Through the looking back of these 10 months and for enhancing contents development based on these 10 months, trainers plan next group training as follows;
   More focus on Flash and programming techniques.
   Overview lectures specially focus on using technology in classroom is good to set at the beginning.
2. After trainees go back Bosnia & Herzegovina, they would like to continue developing their contents. For continuing developing the contents, the trainees' server set in CRICED are used at most two more years. At the same time, Bosnia & Herzegovina people find the way to set server in Bosnia & Herzegovina. The administration of it is done by trainees and trainers. The trainees' server and CRICED server are linked each other.
3. Additionally we agreed following.
   1) Invited professors would like to support trainees after they come back.
      Their plan could be seen on Appendix 1.
   2) Trainers would like to develop their research with trainees and professors.
      Their plan could be seen on Appendix 2.

Signatures;
Prof. Marinko Pejic   Prof. Masami ISODA

Prof. Niko Susac   Prof. Kyoko KAKIHANA

Prof. Djuradj Puhalic   Prof. Takeshi MIYAKAWA

Prof. Karmelita Pjanic

Prof. Valentina Mindoljevic

Dipl. Ing. Ljubomir Petkovic,

Appendix 1

<u>Participants who have been here for last ten months</u> gave suggestions about the work with the next group of participants:

-to decide and set up at the beginning of their course the programming language they're going to use and prepare the environment for it (book, software, lessons)

-other parts of this course were satisfactory

<u>Mr. Niko Susac</u> suggested his future plans for promoting this project:

- On the regular meeting of the Counseling Board of Mathematics Society he will present the idea of this project (end of August 2005)
- He will suggest that Mathematics Society should include ICT education and teachers in this field
- By the end of August on the regular meeting of all Mathematics teachers that work on Croatian curriculum he will also present this project and ask prof. Valentina Mindoljevic to demonstrate it as well
- Together with Mr. Pejic, and Mr. Puhalic send a letter to the ministers of education and inform them of this project
- Contact using all possible channels as many officials dealing with education as possible

<u>Mr. Marinko Pejic</u> suggested his future plans for promoting this project:

- We will introduce this project to ambassador of Bosnia and Herzegovina, Mr. Vlado Raspudic
- After arrival to Sarajevo he will introduce this project to Mr. Pasic, minister of education of Federation of Bosnia and Herzegovina; minister of civil affairs, Mr. Safet Halilovic and his assistant in the field of education Mrs Esma Hadzagic

<u>Mr. Djuradj Puhalic</u> suggested his future plans for promoting this project:

- Detailed information about project, evaluation and our recommendation for activities in next two years in government of Bosnia and Herzegovina.
- Explain needs for this project in Bosnia and Herzegovina and make recommendations for new project.
- Presentation of this project in schools in Bosnia and Herzegovina by trainees.
- Support for presentation equipment (in the meaning of previous point).
- Presentation of Grapes software on seminars and schools in Bosnia and Herzegovina.
- Feedback of using Grapes software in schools.

- Making conditions for establishing training ground of this project in Bosnia and Herzegovina.
- Equipping of schools in Bosnia and Herzegovina

Appendix 2

In what follows, we describe our plan to advance a cooperative research with Bosnia-Herzegovina.

- ✓ Exchange of teaching materials
  Analyses of Bosnian & Herzegovinian curriculum in the domain of function before visit to Bosnia-Herzegovina
  To bring Japanese contents and experiment in the class of Bosnia & Herzegovina
  To get Bosnian & Herzegovinian contents and experiment in the class of Japan

- ✓ Use of GRAPES in Bosnia & Herzegovina
  Trial use of software by Bosnian & Herzegovinian teacher(s)
  Targeted grade: 15-18 years old students
  Domain: introduction of function in mathematics

The place of experiment will be decided later. We would like to realize these experiments at the end of November for about 10 days in Bosnia & Herzegovina. This project will be conducted by Kyoko KAKIHANA (Tsukuba Gakuin University) and Takeshi MIYAKAWA (CRICED – University of Tsukuba) with Bosnian & Herzegovinian researchers.