



Tempus158989-Tempus-1-2009-1-BE-Tempus-JPHES
Creation of university-enterprise cooperation networks for education on
sustainable technologies

Starting meeting in Gent

17 – 20 March 2010.



Tempus158989-Tempus-1-2009-1-BE-Tempus-JPHES
Creation of university-enterprise cooperation networks for education on sustainable technologies

Starting meeting, Gent 17 - 20 March 2010.

MINUTES OF THE MEETING

The Meeting was attended by

Katholieke Hogeschool Sint-Lieven, Gent, Belgium

Geert de Lepeleer

Chris Van Keer

Trier University of Applied Sciences, Birkenfeld, Germany

Katrin Mueller-Hansen

Vienna University of Technology, Vienna, Austria

Wilhelm Hoeflinger

University of Novi Sad, Novi Sad, Serbia

Zoltan Zavargo

Mile Klačnja

Slobodan Soikolović

University of Niš, Leskovac, Serbia

Milorad Cakić

University of East Sarajevo, Zvornik, Bosnia and Herzegovina

Radoslav Grujić

Tuzla University, Tuzla, Bosnia and Herzegovina

Midhat Jašić

University Ss Cyril and Methodius

Skopje, The former Yugoslav Republic of Macedonia

Emilija Fidancevska

University Goce Delcev, Faculty of Technology

Štip, The former Yugoslav Republic of Macedonia

Vineta Srebrenkoska

Thursday 18th March 2010.

1. Welcome by Geert De Lepeleer
International Relations Officer KaHo Sint-Lieven

2. Presentation of the Consortium members

The following Consortium members were presented:

Katholieke Hogeschool Sint-Lieven by

Geert De Lepeleer and

Chris Van Keer

Trier University of Applied Sciences

Institute of Applied Material Flow

Birkenfeld, Germany by

Katrin Hansen-Muller

University of Novi Sad

Faculty of Technology

Novi Sad, Serbia by

Zoltan Zavargo

University of Nis

Faculty of Technology

Leskovac, Serbia by

Milorad Cakić

University of East Sarajevo
Faculty of Technology
Department for Food Technology
Zvornik, Bosnia and Herzegovina
Radoslav Grujić by

Tuzla University
Faculty of Technology
Tuzla, Bosnia and Herzegovina by
Midhat Jašić

University Ss Cyril and Methodius
Faculty of Technology and Metallurgy
Department of Inorganic Technology
Skopje, The former Yugoslav Republic of Macedonia by
Emilija Fidancevska

University Goce Delcev
Faculty of Technology
Stip, The former Yugoslav Republic of Macedonia by
Vineta Srebrenkoska

Decision

PowerPoint presentation of all project partners will be inserted into the project website.

3. Presentation of the Project Outcomes by Zoltan Zavargo

Aim of the Project

The aim of this project is to improve the university-enterprise cooperation in the process of creating a sustainable industry in Serbia, Bosnia and Herzegovina, the Former Yugoslav Republic of Macedonia.

To achieve this goal the partner universities will create a special course on Sustainable industry and thus enhance the LLL process and cooperation between industry and universities in the WB countries.

Creating a zero emission industry is a great challenge for EU. It enables sustainable development, safe today and safe future. In the same time it reduce significantly our energy and material resources.

Specific Objectives of the project

1. To bring new curricula on sustainable industry for the staff from industries involved in the project
2. To adopt experience from EU partners on sustainable industry in the newly developed curricula
3. To bring the knowledge of staff from industry closer to standards in EU partner countries
4. To bring the strategy for education for the staff from industry on sustainable industry issue

Outputs and Outcomes

1. Review and analyse the existing knowledge of the staff from industry on sustainable industry issue
2. Retrain the staff from WB partner universities in BE, GE and AT
3. Develop new curricula for the staff from the industry of RS, BA and MK on sustainable industry
4. Implement the new developed curricula for the staff from the industry
5. Increase the link with enterprises
6. Increase the links between WB partner country universities
7. Increase the link between WB partner country universities and EU country universities
8. Dissemination
9. Sustainability
10. Quality control and monitoring
11. Management of the project

1. **Review and analyse the existing knowledge of the staff from industry on sustainable industry issue**
 The level of the knowledge of the staff from industry will be evaluated regarding the topics of the courses. The results will be analysed in order to adopt the planned courses according to their knowledge.
 During the first two months the evaluations will be done. In the next two months the evaluation materials will be analysed. In the fifth month the presentation will be prepared and in the sixth month, during the visit of EU experts, the whole work will be analysed by EU experts too
 The evaluation of the staff from industry will be done at the Chamber of commerce. Afterwards the results of the evaluation will be analysed and prepared for presentation. The presentation of the results will be done during a short visit of EU experts.
 The evaluation will be done by tests and via communications with the staff from industry, with their management and on the base of the available data.
2. **Retrain the staff from WB partner universities in BE, GE and AT**
 The motivation of the partner university staff members to get "added value "on these retraining sessions. Receiving updated knowledge on sustainable industry as well experience on teaching of adults will help them in creating and offering retraining sessions for industry.
3. **Develop new curricula for the staff from the industry of RS, BA and MK on sustainable industry**
 It is planned to create 4 courses with the following planned common topics:
 1. Concept of sustainability related to society, and especially industry
 2. Zero emission technologies
 3. Material and energy flow management in industry
 4. Case studies
 5. Zero emission of material or/and energy in selected industry.
 All 4 courses will have the same first 4 topics. The 5th topic will be tailored to the specific needs of the industry to whom it will be created. The planned ECTS: 6, Workload: 150 hours and Duration of courses: 3 - 4 months.
4. **Implement the new developed curricula for the staff from the industry**
 At each PCU course for the staff for industry will be held. Actually 4 different courses are planned. Each one is adapted to the specific needs of the industry to which the course have been created. After the course ending the trainees will have examinations. All the courses will be evaluated by the trainees.
 The courses will be held the way that has been agreed on the workshops. This will be done during the first half of the third year at each PCU.
5. **Increase the link with enterprises**
 Cooperation on tailoring the courses to the needs of the industry
6. **Increase the links between WB partner country universities**
 Cooperation between WB partner universities during project's objective realisation.
7. **Increase the link between WB partner country universities and EU country universities**
 Cooperation between EU and WB partners during project's objective realisation
8. **Dissemination**
 Dissemination should be done from the start of the project and should be done during the whole project duration.
 All project partners should disseminate continuously the results according to the agreed plan.
9. **Sustainability**
Creation the Strategic Plan for education on sustainable industry in cooperation with Chambers of commerce
 In order to optimize the work on education on sustainable technologies, PCU in cooperation with Chambers of commerce the Strategic Plan for education will be built. The aim is to do this in an optimal way.
 It will be done during first half of the third year and the plan is to realise it after the end of the project.

10 Quality control and monitoring

Internal Quality Control and Monitoring

Indicators of progress

- the rate of using resources and the incurred costs as compared to the outcome of each activity, periodicity
- the extent of the outcome of each activity and how will it contribute to the purposes of the project
- the eventual changes in the environment of the project (target groups, target sectors and potential beneficiaries)
- Success of the communication flow and project coordination
- Cost efficiency evaluated through internal procedures

How the indicators will be assessed

- Internal project report
- Budget control sheets
- Timetable sheet
- Printing material
- Internal evaluation
- External audit and EC controlling

Partner/s or experts who will carry out the assessment

Trier University of Applied Science

External Quality Control and Monitoring

11 Management of the project

A lack of good understanding between all project partners must absolutely be avoided.

Therefore it is essential to set up a good management structure with a considerable number of possibilities for consultations and meetings.

Work plan

1st year

1. **Review and analyse the existing knowledge of the staff from industry on sustainable industry issue**
 - 1.1 To inventories and analyze the status of knowledge in industry regarding the topics of the courses
 - 1.2 Short visit of EU experts to WB partner universities
2. **Retraining the staff from WB partner universities in BE, GE and AT**
 - 2.1 Retraining and updating of WB university staff in BE
 - 2.2 Retraining and updating of WB university staff in GE
 - 2.3 Retraining and updating of WB university staff in AT
8. **Dissemination**
 - 8.1 Development of the project website
 - 8.2 Organization of the dissemination conferences
 - 8.3 Publications and presentations of the project results
10. **Quality control and monitoring**
 - 10.1 Elaboration of internal quality report
 - 10.2 Elaboration of external quality evaluation reports
11. **Management of the project**
 - 11.1 General project management
 - 11.2 Planning and evaluation meeting in Gent and Novi Sad

2nd year

3. **Develop new curricula for the staff from industry of RS, BA and MK**
 - 3.1 Course development workshop 1: Skopje
 - 3.2 Course development workshop 2: Tuzla
 - 3.3 Developing the courses and course teaching material writing
 - 3.4 Experts evaluation of the teaching material on sustainable industry
 - 3.6 Equipping the Training Laboratory
5. **Increase the link with enterprises**
 - 5.1 Cooperation on tailoring the courses to the needs of the industry
6. **Increase the links between WB partner country universities**
 - 6.1 Cooperation between WB partner universities during project's objective realisation

7. **Increase the link between WB partner country universities and EU country universities**
 - 7.1 Cooperation between EU and WB partners during project's objective realisation
8. **Dissemination**
 - 8.1 Development of the project website
 - 8.2 Organization of the dissemination conferences
 - 8.3 Publication and presentation of the project results
10. **Quality control and monitoring**
 - 10.1 Elaboration of internal quality report
 - 10.2 Elaboration of external quality evaluation reports
11. **Management of the project**
 - 11.1 General project management
 - 11.2 Planning and evaluation meeting in Birkenfeld and Skopje

3rd year

3. **Develop new curricula for the staff from industry of RS, BA and MK**
 - 3.5 Course development workshop 3: Novi Sad
4. **Implement the newly developed curricula for the staff from industry**
 - 4.1 Course hold for the staff from industry
8. **Dissemination**
 - 8.1 Development of the project website
 - 8.2 Organization of the dissemination conference
 - 8.3 Publication and presentation of the project results
 - 8.4 Dissemination booklet writing
9. **Sustainability**
 - 9.1 Creation the Strategic Plan for education on sustainable industry in cooperation with Chambers of commerce's
 - 9.2 Cooperation agreement between WB partner universities and enterprises
 - 9.3 Agreement of creation of university/enterprise cooperation networks for education on sustainable technologies
10. **Quality control and monitoring**
 - 10.1 Elaboration of internal quality report
 - 10.2 Elaboration of external quality evaluation reports
 - 10.3 Final report
11. **Management of the project**
 - 11.1 General project management
 - 11.2 Planning and evaluation meeting in Vienna, Tuzla and Novi Sad

4. Individual Grant holder Reports by Geert De Lepeleer

All participants receive the daily allowance according to Tempus guidelines. The grant holder reports are signed. Travel costs are sent as soon as possible to Geert De Lepeleer.

Friday 19th March 2010.

1. Presentation of the Consortium members

The following Consortium member was presented
 Vienna University of Technology
 Faculty of Technical Chemistry
 Institute of Chemical Engineering by
 Wilhelm Hoeflinger

Decision

This PowerPoint presentation will be also inserted into the project website

2. Presentation of the Project web site

The Project web site was presented by Zoltan Zavargo. The site can be seen at the following address: <http://www.tf.uns.ac.rs/tempusIV/index.html>

HOME PAGE

European Commission

Tempus IV

Project number: 158989-TEMPUS-1-2009-BE-TEMPUS-JPHES

Creation of university-enterprise cooperation networks for education on sustainable technologies

TechnoSustainable

The project	Activities	Dissimination	Quality control and monitoring	Documents
Consortium	1 st year	1 st year	1 st year	Meeting approvals
Individual experts	2 nd year	2 nd year	2 nd year	Presentations
Basic data	3 rd year	3 rd year	3 rd year	Documents
Aim and Objectives				Gallery
Outputs and Outcomes				
Work plan				
Summary				

SUBPAGE

The Project

Consortium

co-ordinator

Katholieke Hogeschool Sint-Lieven

City: Gent

Country: Belgium

Contact person: Geert De Lepeleer
International Relations Officer
geert.delepeleer@kahosl.be

co-beneficiaries

University of Novi Sad

Faculty of Technology

City: Novi Sad

Country: Serbia

Contact person: Zoltan Zavargo
dean

zzavargo@uns.ac.rs

Trier University of Applied Sciences

Institute of Applied Material Flow

City: Birkenfeld

Country: Germany

Contact person: Peter Heck
Executive Director of the Institute of Applied Material Flow
p.heck@umwelt-campus.de

Vienna university of Technology

Faculty of Technical Chemistry

Institute of Chemical Engineering

City: Vienna

Country: Austria

Contact person: Wilhelm Hoeflinger
Head of the research area „Mechanical Process Engineering and Clean Air Technology“

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Faculty of Technology
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VOKA-Chamber of Commerce East-Flanders
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Country: Belgium
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Chamber of Economy of Vojvodina
City: Novi Sad
Country: Serbia
Contact person: Jovan Vujičić
Special Adviser of President
jova.vujicic@pkv.co.yu

Regional Chamber of Commerce and Industry
City: Leskovac
Country: Serbia
Contact person: Goran Jović
President
leskovac@komora.net

Chamber of Commerce and Industry Bijeljina Region
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Country: Bosnia and Herzegovina
Contact person: Slavica Marković
Secretary of Concil for European integration
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The chamber of Economy of Tuzla Canton
City: Tuzla
Country: Bosnia and Herzegovina
Contact person: Nedret Kikanović
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Economic chamber of Macedonia
Department of chemical industry
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BOMEX Refractory
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Country: The former Yugoslav Republic of Macedonia
Contact person: Saso Eftov
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EUROKOMPOZIT

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SUBPAGE

The Project

Individual experts

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Faculty of Food Science
Department of Food Engineering
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Country: Hungary

Adam Pawelczyk
Academic teacher
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Wroclaw University of Technology
Faculty of Chemistry
City: Wroclaw
Country: Poland

SUBPAGE

The Project

Basic data

Title of the project

Creation of university-enterprise cooperation networks for education on sustainable technologies

Acronym of the project

TechnoSustainable

Agreement number

209-4684/001-001

Project number

158989-TEMPUS-1-2009-BE-TEMPUS-JPHES

Project type

Higher Education and Society (HES)

Period

3 years

SUBPAGE

The Project

Aim and Objectives

AIM OF THE PROJECT

The aim of this project is to improve the university-enterprise cooperation in the process of creating a sustainable industry in Serbia, Bosnia and Herzegovina, the Former Yugoslav Republic of Macedonia. To achieve this goal the partner universities will create a special course on Sustainable industry and thus enhance the LLL process and cooperation between industry and universities in the WB countries.

The most often used definition for sustainable development is that was used by [Brundtland Commission](#) "Sustainable development meets the needs of the present without compromising the ability of future generations to meet their own needs" Sustainable development is a pattern of resources use and is the way in which

developing countries undergoing industrialization with the aim to avoid current situation with industrialized society with high level of emission.

The environmental sustainability is rather a process than action. It is the process of making current processes sustainable in its interaction with the environment. The concept of sustainability requires such human activities which use only nature's resources at a rate at which they can be replenished naturally.

The aim of zero emissions is maximum resource productivity and virtually no waste. To reach this goal the technologies and processes must be improved. This can be approached in a number of ways: by technological innovation, pollution prevention, cleaner production, by-product synergy, etc. All of these are ways of eliminating or minimizing all kind of emission, both material and energy, while preventing harm to environmental and human health. It is proven, and there are numerous examples, that it can be a profitable goal. Sometime it is called as Green business.

Creating a zero emission industry is a great challenge for EU. It enables sustainable development, safe today and safe future. In the same time it reduces significantly our energy and material resources. In this way makes us less input dependent. In the EU there are many examples of good practice in these fields. The coordinator, UNS had the opportunity to see much attractive solution. Some of them were in Belgium and Sweden, during realization of previous Tempus project JEP_19020. But the most impressing was that was seen in German during visit to Environmental zero emission campus. The similar solution exists in Rhineland-Palatium. Introducing the concept of zero energy and material flow, there were examples of totally energy independent community.

For WB countries it is of great interest to be as possible closer to this trend. It is obvious that in the future this kind of activities will be very intensive. EU and WB will need many experts in these fields. The staff from the industry, primarily engineers and management staff, but also the others must have new knowledge in order to handle this problem.

OBJECTIVES OF THE PROJECT

1. To bring new curricula on sustainable industry for the staff from industries involved in the project
2. To adopt experience from EU partners on sustainable industry in the newly developed curricula
3. To bring the knowledge of staff from industry closer to standards in EU partner countries
4. To bring the strategy for education for the staff from industry on sustainable industry issue

SUBPAGE

The Project

Outputs and Outcomes

Review and analyse the existing knowledge of the staff from industry on sustainable industry issue

Retrain the staff from WB partner universities in BE, GE and AT

Develop new curricula for the staff from the industry of RS, BA and MK on sustainable industry

Implement the new developed curricula for the staff from the industry

Increase the link with enterprises

Increase the links between WB partner country universities

Increase the link between WB partner country universities and EU country universities

Dissemination

Sustainability

Quality control and monitoring

Management of the project

SUBPAGE
The Project
Work plan

1st year

- 1. Review and analyse the existing knowledge of the staff from industry on sustainable industry issue**
 - 1.1 To inventories and analyze the status of knowledge in industry regarding the topics of the courses
 - 1.2 Short visit of EU experts to WB partner universities
- 2. Retraining the staff from WB partner universities in BE, GE and AT**
 - 2.1 Retraining and updating of WB university staff in BE
 - 2.2 Retraining and updating of WB university staff in GE
 - 2.3 Retraining and updating of WB university staff in AT
- 8. Dissemination**
 - 8.1 Development of the project website
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 - 8.3 Publications and presentations of the project results
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 - 11.2 Planning and evaluation meeting in Gent and Novi Sad

2nd year

- 3. Develop new curricula for the staff from industry of RS, BA and MK**
 - 3.1 Course development workshop 1: Skopje
 - 3.2 Course development workshop 2: Tuzla
 - 3.3 Developing the courses and course teaching material writing
 - 3.4 Experts evaluation of the teaching material on sustainable industry
 - 3.6 Equipping the Training Laboratory
- 5. Increase the link with enterprises**
 - 5.1 Cooperation on tailoring the courses to the needs of the industry
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 - 6.1 Cooperation between WB partner universities during project's objective realisation
- 7. Increase the link between WB partner country universities and EU country universities**
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3rd year

- 3. Develop new curricula for the staff from industry of RS, BA and MK**
 - 3.6 Course development workshop 3: Novi Sad
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- 8. Dissemination**
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 - 8.4 Dissemination booklet writing
- 9. Sustainability**

- 9.4 Creation the Strategic Plan for education on sustainable industry in cooperation with Chambers of commerce's
 - 9.5 Cooperation agreement between WB partner universities and enterprises
 - 9.6 Agreement of creation of university/enterprise cooperation networks for education on sustainable technologies
- 10. Quality control and monitoring**
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 - 10.2 Elaboration of external quality evaluation reports
 - 10.3 Final report
- 11. Management of the project**
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SUBPAGE

The Project

Summary of the Project

The aim of this project is to improve the university-enterprise cooperation in the process of creating a sustainable industry in Serbia, Bosnia and Herzegovina, the Former Yugoslav Republic of Macedonia.

To achieve this goal the partner universities will create a special courses on sustainable industry and thus enhance the LLL process and cooperation between industry and universities in the WB countries.

The environmental sustainability is rather a process than action. It is the process of making current processes sustainable in their interaction with the environment. The concept of sustainability requires such human activities which use only nature's resources at a rate at which they can be replenished naturally.

The aim of zero emission is maximum resource productivity and virtually no waste. To reach this goal the technologies and processes must be improved. This can be approached in a number of ways: by technological innovation, pollution prevention, cleaner production, by-product synergy, etc. All of these are ways of eliminating or minimizing all kind of emission, while preventing to cause harm to the environment and human health. It is proven, and there are numerous examples, that it can be a profitable goal.

Creating a zero emission industry is a great challenge for EU. It enables sustainable development, a safe present and a safe future. At the same time it reduces significantly our energy and material resources. This way makes us less input dependent.

It is planned that Inventorizing and analyzing the status of knowledge in industry regarding the topics of the courses will be done first. Workshops will be held on Screening and analyzing the status of knowledge in industry concerning sustainability

In order to be well prepared for the course developing, the academic staff from PCU will go for one week in each EU country to have a retraining and updating session.

During the whole second year the courses will be developed. Three workshop are planned for this purpose. The EU partner will give their assistance, in order to have high quality courses. The Chamber of commerces as well as industry will also be involved.

In third year the courses will be held for the staff from industry. After the end of the course Dissemination conference is planned to be held at each partner university. The aim is to show the results and to attract new trainees. With the help of chambers of commerce the scheme of work will be done.

For each course written mteaching material will be prepared by the PCU staff. The written teachin material will be revised. At the end of the project planne will be work out for the next year.

The consortium is 3 EU unirsity from BE, GE and AT, 6 WB university from RS, BA and MK, 5 Chamber of commerces and 7 enterprise. Having in mind complexity of the topics of the issue that will be offered to industy to EU individual expert wee engaged.

One of the main Bolgna declaration is concered closer connection of universities and enterprises. The LLL and university-enterprise is also the strategy of WB countries and universities involved in this project.

OTHER SUBPAGES

The other subpages are now empty and will be filled in accordance with the Project activities.

Decisions

- The structure and design of the Project web site have been accepted.
- The short summary should be put on the Home page.
- Appropriate Tempus logo should be put on the Home page according to the suggestion which can be found on the Tempus site.
- The list of the Consortium member is not complete and should be updated in the next 2 weeks.
- A hidden part will be inserted. It will have two subpages: Financial and Activities. The Final report, the Application and the Evaluation of the Project of EACEA will be also included.

3. Activities of the 1st year

3.1 Review and analyse the existing knowledge of the staff from industry on sustainable industry issue

From the Application

The evaluation will be done by tests and via communications with the staff from industry, with their management and on the base of the available data.

Test content:

- Level of Management
- Level of existing technology
- Level of staff knowledge

Test will be spread by University of Novi Sad to all other PCU.

Conclusion

All suggestions concerning the test are welcome.

3.2 Short visit of EU experts to WB partner universities and organising the 1. Dissemination Conference in Novi Sad, SR/Leskovac, SR/Tuzla, BA, Zvornik, BA/Skopje, MK/Štip, MK

During the visits of EU experts all the 6 partner universities will have their presentation on the status of knowledge in industry regarding the topics of the courses. The work on this issue will be finalised with the assistance of the experts from EU. The formulation of first scheme of the courses will be done. After the workshops in all partner universities Dissemination conferences will be organised in order to present the results of *Screening and analyzing the status of knowledge in industry concerning sustainability and formulation the first course scheme*. The results will be presented to press and to academic staff not involved in the project. The preliminary course scheme will be reworked during the retraining and updating of the PCU academic staff in BE, GE and AT.

According to Application

- EU experts: 1BE, 1GE, 1AT, 1 VOKA
- Duration of visit: 1 week in each PC
- PCU: All PCU

Decisions

- The visits to BA will be in the first part of June and to MK after the 10th June. The visit to RS will be at the beginning of July, first to Leskovac and then to Novi Sad. The 2nd Consortium meeting will be held immediately after the 1st Dissemination conference in Novi Sad.
- During April all EU partners will give the names of the experts who will visit the WB countries, and the exact dates of visits.

3.3 Organising the retraining of the staff from WB partner universities in BE, GE and AT

Decision

The retraining and updating of PC universities staff will be organised according to the following scheme:

Retraining and updating of PC universities staff in BE

Time: From 12. till 18. September 2010.

Participants: 12 from PCU + 5 from PC chamber of commerces

Retraining and updating of WB university staff in GE

Time: From 10. till 16. October 2010.

Participants: 12 from PCU + 7 from PC enterprises

Retraining and updating of WB university staff in AT

Time: From 15. till 22. November 2010.

Participants: 13 from PCU

4. Equipment

Since 60 % of grant is already on the account of the contractor, procedure for buying equipment can be started up very soon. Equipment is exempted from VAT ! Certificate has been distributed to all participants.

Decisions

- Each PC should prepare the necessary Certificate in order to be exempted of VAT.
- A computer for web site will be purchased by Novi Sad
- Literature for course development will be bought by all PC universities. Each University has 1000 EUR for this purpose. All PC Universities should send the list of literature to Zoltan Zavargo. It will be completed and sent to all PC universities in order to avoid the unnecessary overlaps.
- Other equipment should be bought by all PC universities. For this purpose each PC University has the equal amount of money of 23.850 EUR. The list of equipment can be different from university to university but it must be in line with the Project. The list of equipment should be sent to Zoltan Zavargo by the middle of April.

5. Planning the 2nd Coordination meeting in Novi Sad

Decision

The 2nd Coordination meeting in Novi Sad will be held at the first part of July after the 1nd Dissemination conference.

6. Planning the dissemination activities

From The Application

The project consortium is convinced that dissemination is playing a key role in the successful realization of the project activities. In order to achieve a maximum impact, the results of the project's activities will be continuously disseminated. The process will take place at all levels and at all stages of the project's life. The dissemination will be planned at the very start of the project. In planning this process, it is important to identify the needs that project has to meet and the beneficiaries of the results. It is also very important to spread the information on the project's results. It is very important to do the exact timetable of the dissemination actions. What will be disseminated, when and how?

Levels of dissemination Internal at the level of their own institution and External at the level of the partner country and External - at the broader level. The results of each PCU work will be presented at their institution and at the level of their own country and it will be visible broader. It will be done at each stage of the project which is found to be interest to the group not directly involved in the project. The results of the whole team work be presented at all key point stage also. The aim to make clear to the group not involved directly in the project: the objective of the project, the actions that are done in order to achieve this objectives and to see the progress of the project.

At the end of the project the results will be presented as well as the plans after the end of project. The informations sent to group not involved in the project must be clear and continuous.

Dissemination actions according to the Application

1. **Development of the Project website**
Internal and external dissemination. It is essential that the website be well structured and to be continuously updated.
The coordinating university will develop; design the structure and the layout of the project website. The project website will contain two parts: one "public" and other "partners only". The first will be open to all and the other, protected with password, only to consortium member. This part will be mainly devoted to project development. The website will be continuously maintained and updated. The website plays an important role in disseminating the project results.
2. **Dissemination conferences**
Mainly internal but via media and internet can be made visible outside. The number of participants of the conference must be as broad as possible. The representatives from industry, Chamber of commerce and press must attend the conference. At the beginning of the project the dissemination conference aims to show the situation in PC concerning sustainability and the level of sustainability in EU. The next dissemination conference will present the developed courses. At the end of the project the results of course holding will be presented as well as the plan for the next year.
3. **Dissemination the results by articles**
4. **Dissemination the results by lectures**
5. **Dissemination through media: text in newspapers, report and interview on radio and television.**
6. **Dissemination by flyers and CD's.**
7. **Dissemination booklet writing.**

Plan of the dissemination activities

1st year

1. Development of the Project website

Creating the Project's web site

PCU: University of Novi Sad

Time: After the 1st Coordination Meeting

2. Dissemination conferences

First Dissemination Conference

PCU: At each PCU

Time: May - June 2010.

3. Dissemination the results by articles

Article on

Review and analyze the existing knowledge of the staff from industry on sustainable industry issue

Number of articles: At each PC at least 1 article or 1 common article to all PCU

PCU: All PCU

Time: Till the end of the 2010.

4. Dissemination the results by lectures

Lectures on

Review and analyse the existing knowledge of the staff from industry on sustainable industry issue and aim of the Project

PCU: All PCU

Time: May - June 2010.

5. Dissemination through media: text in newspapers, report and interview on radio and television

The press should be present on the 1st Dissemination conference

Text, reports or interview on:

Aim of the project

Review and analyse the existing knowledge of the staff from industry on sustainable industry issue and aim of the Project

PCU: All PCU

Time: May - June 2010.

6. Dissemination by flyers and CD's

Not planned

7. Dissemination booklet writing

Not planned

2nd year

1. Development of the Project website

Continuously updated

PCU: University of Novi Sad

2. Dissemination conferences

Second Dissemination conference in Novi Sad

PCU: University of Novi Sad

Time: June 2011.

3. Dissemination the results by articles

Not planned

4. Dissemination the results by lectures

Presentation the courses

PCU: All PCU

Time: June - September 2011.

5. Dissemination through media: text in newspapers, report and interview on radio and television

The press should be present on the 2st Dissemination conference

Presentation the courses

PCU: All PCU

Time: June - September 2011.

6. Dissemination by flyers and CD's

Not planned

7. Dissemination booklet writing

Not planned

3rd year

1. Development of the Project website

Continuously updated

PCU: University of Novi Sad

2. Dissemination conferences

Dissemination conferences

PCU: At all PCU

Time: After the end of courses

Third Dissemination conference, Novi Sad

PCU: University of Novi Sad

Time: After the local Dissemination conferences.

3. Dissemination the results by articles

Article on

Articles: At each PC at least 1 article or 1 common article to all PCU

PCU: IAI PCU

Time: Till the end of the 2010.

4. Dissemination the results by lectures

Lectures on

Results of the Project

PCU: All PCU

Time: September - October 2012.

5. Dissemination through media: text in newspapers, report and interview on radio and television

The press should be present on the 3st Dissemination conference

Results of the Project

PCU: All PCU

Time: June 2012.

6. Dissemination by flyers and CD's

Results of the Project

PCU: All PCU

Time: During Dissemination Conference June 2012.

7. Dissemination booklet writing

PCU: All PCU

Time: From 15. June 2012. till 15. October 2012.

Dissemination template

Tempus JPHS-159989-1-2009-1-BE

Creation of university-enterprise cooperation networks for education on sustainable technologies

Name of the project partner	
Date of submission of this report	

Dissemination Conference

Name of Conferencs	
Date of Conference	
Held at	
Internal or external	
Presenters	
Participants	
Abstract on information that was disseminated	

Dissemination the results by articles

Title of article	
Authors	
Journal	
Abstract	

Dissemination the results by lectures

Title of lecture	
Author	
Internal or external	
Date of lecture	
Held at	
Abstract	

Dissemination through media:

text in newspapers, report and interview on radio and television

Name of magazin/newspaper	
Date :	
Title of publication	
Author	
Text (Scanned if possible)	

Name of Radio/Television	
Date of broadcasting	
Name of programme	
Person interviewed	
Reason of interview	
Abstract	

LINK OF PROJECT WEBSITE TO HOME UNIVERSITY WEBSITE

Url :	
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Decisions

- The proposed Plan of the dissemination activities as well as the dissemination template has been accepted.
- The dissemination template will be inserted on the website.
- The short information on dissemination activities should be sent to Zoltan Zavargo, University of Novi Sad via Dissemination template. If possible, the scanned text from newspaper should also be sent.

7. Financial guidelines by Geert De Lepeleer

Important issues:

- Transport by car in partner countries: according to official regulations in own country, with maximum of 0,22 euro per km. All universities are invited to send their national rules to Geert
- For all travels boarding passes, (e-)tickets and the ticket invoice should be kept and send to Zoltan Zavargo/ Geert De Lepeleer
- Zoltan Zavargo presents a reviewed budget plan taking into account also the remarks from Brussels.
- Staff costs will be refunded at the end of each project year. Amount of grant and co financing will be separately indicated at the conventions.
- Purchase of equipment: 3 offers necessary from the amount of 25000 euro. Invoices as much as possible directly in Euro!
- All partners receive a signed copy of the mandate.
- At each coordination meeting an overview of the finances will be presented

8. Any other business

Thanks to all for the nice meeting!
Geert de Lepeleer and
Zoltan Zavargo