

**CLEAN-kWAT PROJECT
MINUTES OF 2nd MEETING IN BUDAPEST (HUNGARY),
7th and 8th September, 2017**

**Integrating Environmental Considerations into Energy
Systems Development**

Participants:

BASAK TASELI, DUYGU ALTIOK, GIRESUN UNIVERSITY, GIRESUN, TURKEY

GAMZE YUCEL ISILDAR, FERIHA YILDIRIM, GAZI UNIVERSITY, ANKARA TURKEY

**ALTAN DIZDAR, ERTUGRUL DIZDAR, ORKON INTERNATIONAL ENGINEERING
TRAINING CONSULTING INC, ANKARA TURKEY**

UTA ZAHRINGER, RENAC, BERLIN, GERMANY

JOSE M.DAZA, SONIA GARCIA CARRASCO, AELV, SPAIN

ŞAHİKA KARDAM, DENİZ CİLASUN, KALI, ANKARA, TURKEY

LÁSZLÓ MAGYAR, ENERGIACLUB, BUDAPEST, HUNGARY

**ALEKSANDRA SRETENOVIC, UROS MILOVANCEVIC, UB BEOGRAD, BELGRAD,
SERBIA**

Meeting place : ENERGIACLUB's office

MINUTES OF THE 2nd MEETING IN BUDAPEST

Activity 1 : Project Management and Administration by GIRESUN + ORKON

- **Introducing the partners, the main dates and outcomes**
- **Outcomes: National reports; Book (should be finished until November); Documentaries (short movies); Learning objectives; E-learning Portal**
- **E-learning → training guide**
- **E-learning portal is a dissemination platform as well**
- **Moodle → easy and multifunctional platform**
- **Explaining the login procedure into moodle**
- **Moodle is open for everyone**
- **Testing questionnaires at the end of every course → will be rated**

There was no suggestion or comment from the partners in connection with the e-learning system, moodle or the management.

- **There are shortcomings in Dropbox → Logos are needed in good quality → Aleksandra will upload the missing logos**
- **Copyright Agreement is missing from Dropbox → Aleksandra gives the printed version to everybody**
- **Presentations from Budapest meeting also need to be uploaded**

Introducing the activities of the Management → everything with a date

Suggestion for the Multiplier Events → We can hold more events with less participants if the final number is the same and we have signed attendance list and minutes from the event → OK

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If we just invite people, they won't come; easier if we visit them → we will have more events, but it is easier to organize them

Every partner has the exact number of participants per event

People from the same organisation (as the organisers) are not allowed to participate (not count as participants)

Everything needs to be on the attendance list → if sth is missing, the document won't be accepted

1st multiplier event: 01/12/2017-31/03/2018

2nd multiplier event: 01/05/2018-31/08/2018

Turkish Partners can hold the events together → *maybe in Ankara?*

Question: How can we spend 100€ per participant on a multiplier event? → It's up to us.

Conference for Turkish Partners in September 2018

Web-based English seminar in Giresun in August 2018 → Skype conference call

Question: Is it possible to transfer between the categories of the budget? → Can be possible, but truly it is not recommended!

We can print some copy of the book (draft) for the events.

Question: How many copies of the book should be printed? → There is no sense of 60-70 copies. (max 10-15 enough)

There will be an e-book as well.



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National Reports

Three main points:

- **Environmental status**
- **National Energy Policies**
- **Educational needs**

Brief description of each point in every country.

Environment → CO2-emission is decreasing in every participating country, except Turkey

Main problem → fossil fuels, lack of clean technologies → CLEAN-kWAT project can help to improve the current situation by the education of future's engineers

Introducing the situation in Hungary and Serbia (more detailed) by the partners (Energiaklub, Belgrade)

Intellectual Output 02

Book on: "Integrating Environmental Considerations into Energy Systems Development"

- **Introducing the book chapters by the partners**

Not all the partners are satisfied by the quality of different chapters

Suggestions: The book should include at least some real examples, case studies → would be good for engineer students

We should add examples to each technology

We should add Environmental Impact Assessements

It's obvious for a reader, that each chapter is written by a different author → the chapters are not in the same level, and some of them are too general.



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Suggestions: Would be useful to analyze the technologies from more than one point of view → advantages and disadvantages; how green is that technology?

The chapters should be more homogeneous.

A ppt of the book would be useful → upload it to our web page when it's finished

How many people can we reach with the book? Should be quantified!

How many questions are needed at the end of each chapters? → 5 questions per chapter with multiple (4) choices

→ just in moodle → (will be translated as well)

Every partner should write the questions related to the chapters until 15 October

For EQF Level 6&7 Environmental Impact Assesments, case studies and calculations are needed → problem solving methods

Some of the partners say: we don't need calculations in this book

Review is needed for the chapters → 2-3 people will re-read the whole book as editors with the same point of view (GIRESUN+GAZI+BELGRADE) → modifications → final form of the book

Editors decide how they use their modifications and the references

Modifications of the chapters by each partner (before editing) → until the end of October

Intellectual Output 03
Documentaries (short movies) by AELV

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Every partner should write a short summary for their chapter until the end of October → main statements (bullet points) → need to be enough for 2 min speaking

Videos: 2 min per chapter

Useful to start a conversation

Translation for the subtitles → with English audio

Every partner should send pictures to Jose for the chapters → till the end of October

Jose will upload 5 options for the video to the dropbox and he is asking our opinion to select the best one

Videos will present in the social media

There are forms for the dissemination

Intellectual Output 04

Knowledge, Skills and Wider Competences with Learning Objectives of the Professions by RENAC

Presentation of EQF 6&7 → keep in mind, what is needed to reach these levels

Presentations of the 5 professions

ISCO

Uta offers changes in the selected professions if it's not too late

Civil engineers → a bit different, not sure, they need this knowledge → answer: they need, they participate in Environmental Impact Assessements

Decision → we won't get out civil engineers

Electrical engineers → (not included but should be) → if we add electrical engineers, we have to get out an other profession

Decision → we add electrical engineers and get out chemical engineers (!)

Decision → At all we will have 10 learning outcomes (5 BSc and 5 MSc) → level 6 and level 7 for each profession

The book does not cover the whole curriculum for a course, but can be a part of it. It can be: 'Introduction to RES and Environmental Impacts'

Decision → BSc: book can be enough; MSc: just introduction, but something else need to be added

Decision → We insert the book into the learning outcomes, specifying which part (chapter) relates to each professions (and which level)

Web-site and Activity 7 Monitoring and Evaluation of the Project by KALI,

First question is about the design → partners say, it is fine

On the website: - Introduction of the project, plans, dissemination

If anybody has a suggestion or sth to add, send a message to KALI

Decision: Useful links should be added to the dissemination part + things have been done + photos

There is a button for the e-learning portal as well

Suggestions → The website should be more attractive and interactive, now it's a bit boring

Add links with the partners websites; connect it with moodle and facebook by direct links

Feedback in connection with the website are very important → what is need to be changed

A few changes should be made in the structure, but the content is going to be changing and expanding

Suggestion → number of visitors of the website should be checked

Suggestion → The dissemination should have been available by one click

Suggestion → An 'Intellectual Output' button should be create → 'Documentaries' will be under this button + the book in an easy form (easy to reach)

ECVET button will be deleted → goes under the 'Intellectual Output'

There won't be sub-buttons under 'Project'

Suggestion → sub-buttons should be visible when somebody opens the website

Decision → The best, if we can click on the buttons in the upper horizontal menu, and the sub-buttons will appear in the vertical one on the left → KALI will try this option

Suggestion → Instead of 'Intellectual Output' we should use 'Products' → clearer for everybody

KALI will try to change the structure according to the suggestions, and if it's not possible, ask the partners about other modifications and names of the buttons

If everything has been finalized, we will translate the buttons on the website to national languages → there will be a word document with the names of the buttons, that should be filled by the partners

For monitoring a new questionnaire will be sent to partners about the Budapest meeting (1 week for the replies)

Communication is week between partners so far → should be improved, and keep the deadlines

Activity 8

Dissemination, Exploitation & Sustainability of the Project by BEOGRADE,

- **1000 people should be reached directly during the project**
- **We should promote CLEAN-kWAT project on every event, training, etc. → documentation (!) → photos, printscreens... → we have to certify, that we reached that many people**
- **Feedback is needed from the target group**

Question: How many printed book/leaflet/... are needed? → as many as possible (Project Management Costs)

Important to send the leaflet to partners

**A Booklet and its translation is needed → main information, definitions, for promotion (~10 pages)
The presented sample of the Booklet is OK**

Templates are needed for the events, that the participants can fill in

Presentation of the Dissemination Checklist → comments from the partners until the end of September → final form will be uploaded to dropbox

Fill the Dissemination Checklist till the end of November

Present our products everywhere we can (documentation!)

High number of followers of websites → useful for dissemination

Activity 6

Testing of the Products by ENERGIACLUB



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Presentation of the date and program of the multiplier events

Every partner has the exact number of participants for the two events

On the first multiplier event the whole project and all the outcomes should be presented to the participants

Most important are the learning outcomes → how many credits, how can it be usable for the target group

Book chapters and documentaries should be presented on the first event → direct feedback

2-3 weeks before the event the book chapters should be sent to participants

What can we offer to the participants? → Meal, money...

Questions to the participants → feedback, suggestions → modifications of the products

Filled questionnaire from the events will be gathered by Energiaklub → questionnaires use the same methodology and questions → Report template (!)

Energiaklub will send the detailed methodology of the first multiplier event until October