

Dissemination and Sustainability Plan

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DOCUMENT CONTROL SHEET

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VERSIONING AND CONTRIBUTION HISTORY

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v.01	23/04/2017	First draft	Josef Čáslavský
v.02	25/06/2017	Second draft	Josef Čáslavský
v.03	15/10/2017	Third draft (specification of other dissemination activities)	Josef Čáslavský
v.04	06/11/2017	Fourth draft (specification of sustainability)	Josef Čáslavský
v.05	08/11/2017	Specification of sustainability responsibilities and financial plan	Josef Čáslavský
v.06	19/03/2018	Details of sustainability responsibilities and financial plan; Memorandum of NETCHEM utilization	Josef Čáslavský & Milan Antonijevic

LIST OF ABBREVIATIONS

EFSC = Environmental and Food Safety Control
OER = Open Education Resources
MOOC = Massive open online course
WARIAL = Web Accessed Remote Instrumental Analytical Laboratory (WARIAL) – acr. for network in the Project
WB = Western Balkans Countries
Programme Country: EU (France, Czech, UK)
Partner Country: Serbia, Albania
ICT = Information & computer technology
SQL = Structured Query Language (Database program)
HEI = High Education Institution
SME = Small & Medium Enterprise (up to 300 employees)
CPD = Continuing professional development (CPD) courses
LLP = Life Long Learning (LLL) Programme
NETCHEM = means nothing (it is just acronym of our Project)

Aims and objectives of the document

The main goal of this Plan is to provide beneficiaries list of activities connected with dissemination and exploitation of the NETCHEM platform and definition of their responsibilities. Effective dissemination is one of key elements enabling publication and popularization of the project results and their acceptance by professional public and also significantly contributes to creating a good image of the project. Another significant contribution is the contribution to mutual awareness of partners.

List of main activities in WP6 Dissemination & Exploitation is given in the project description.

Activities related with the implementation of dissemination and exploitation of the NETCHEM platform are described here in details. This will help beneficiaries in their successful and effective realization.

Description of the NETCHEM project

Project NETCHEM is focused on the strengthening the capacities for international cooperation in Serbian and Albanian higher education institutions (HEIs) and enterprises in order to increase their education level and technical capacities regarding analytical instrumentation usage for Environmental & Food Safety Control (EFSC) through Technology Enhanced Learning.

Project NETCHEM aims at the establishing of the NETCHEM platform providing three main services:

- i. structured query language (SQL) based system for EFSC data collection,
- ii. web accessed remote instrumental analytical laboratories (WARIAL) and
- iii. open education resources (OERs) in Partner Country universities.

The primary target audience are people active in EFSC field - HEI teachers, researchers, students and professionals in enterprises. The secondary audience consists of teachers and researchers from non-chemical faculties, administrative staff and also wide public.

The Project tends to promote life-long learning opportunities for HEI teachers and employees in enterprises, quick and reliable results comparisons between researcher groups, distance education and virtual mobility of students within universities, overcoming in this way the technical and social barriers between Partner and EU Countries.

Instrumental analysis of environmental and food samples performed by project members using WARIAL network will provide the basis for establishing the SQL Data Collection of environmental and food quality indicators and chemical data, that will be used for increasing the public awareness about environmental and food problems addressing to both the professional sector and general public.

The project is complemented by the dissemination, networking activities, international round-tables and study visits. The partnership comprises 14 institutions including 3 EU universities, prominent public EU research organization, 4 Serbian universities and 2 Albanian universities, enterprises and analytical instruments producer.

Dissemination Goals

Effective dissemination of Project results is essential for the transfer of the developed knowledge to the target group, for their acceptance and transfer into normal use, which maximises the Project impact and largely determines its success.

The main goals of Project NETCHEM dissemination could be defined as follows:

- i. Transfer of knowledge to university staff in using OER as teaching tool
- ii. Popularization of NETCHEM platform to professionals
- iii. Information of students regarding modernized MSc/PhD Study programme
- iv. Information of professionals about the CPD courses
- v. Popularization of NETCHEM platform to wide public

Dissemination strategy and dissemination activities

The dissemination strategy described in this document:

- i. Defines target audience and users of produced knowledge
- ii. Specifies the ways of communication used either for the information exchange among the Project team members and for the information of target audience
- iii. Describes a range of appropriate informational and instructional material and develops mechanisms for their effective dissemination
- iv. Determines timing and responsibilities for the individual dissemination actions.

The dissemination strategy of the Project is based on two main channels:

- i. Internet communication
- ii. Organization of events

The most important means of the internet communication will be the project web pages; the public part will present the project in details to all interested, the private section accessible only via a user id/password will be restricted to Project partners and eventually other specialists involved in project realization or interested in project results and will improve the efficiency of communication. The second internet based means is data repository, where all relevant documents will be collected.

Various events organized by Project partners are considered as very effective way of dissemination; the Project outputs could be presented, described in details, discussed and interactively demonstrated to potential users.

To achieve the dissemination goals the following activities will be realized:

- i. Setting and updating of the Project web site (DISS6.1)
- ii. Design, printing and publishing of promo material (DISS6.2)
- iii. Workshops at each PC university (DISS6.3)
- iv. Open days at each PC university (DISS6.4)
- v. Round tables in enterprises (DISS6.5)
- vi. Summer School "Mass Spectrometry in EFSC" at University of Nis (DISS6.6)
- vii. Final Conference on EFSC through NETCHEM platform (DISS6.7)
- viii. Defining privileges and access authorizations to NETCHEM platform for consortium members and stakeholders (DISS6.8)
- ix. Dissemination of information about NETCHEM Project at meetings, seminars, conferences etc. with participation of NETCHEM team members

Description of dissemination activities

DISS6.1: Setting and updating of the Project website

Task leader: P1 – University of Niš

Estimated start day: 2nd month of 1st year (15/11/2016)

Estimated end day: 12th month of 3rd year (15/10/2019)

Language: English (Serbian, Albanian - maybe)

Description:

The project web-site has been designed and launched and it is continually updated. It contains all relevant information about actual status of the Project, finished, on-going and planned activities. Following pieces of information will be presented here:

- Latest news and incoming events
- Detailed description of the Project:
 - Summary of the Project
 - Description of Project partners including Project team members
 - Characterization of aims and objectives of the Project
 - Overview of activities
 - Outputs of individual work packages
 - Work plan of the Project
 - List of contact persons in all partners' institutions
 - Links to project outputs and important external links
- Documents developed during Project realization
- News containing information about approaching meetings
- Events
- Gallery with photos from project meetings
- Templates for the presentations, reports and other developed documents

In future the site will also contain the link to the NETCHEM platform that will be created during the Project.

For on-going updates of the website 6 teachers, 6 technical staff and 6 administrative staff will be (have been) trained.

Target group:

- Project team
- Teachers and students at PC and EU partner institutions
- Professional public
- Stakeholders
- Wide public

Measurement of success:

Number of visits of the Project web pages (daily, weekly, monthly and total visits counter).

DISS6.2: Design, printing and publishing of promo material

Task leader: P1 – University of Niš

Due date: 12th month of 3rd year (15/9/2019)

Language: English (Serbian, Albanian)

Description:

Within this activity the project logo was designed, reflecting the main goal of the Project, which is increasing of the effectivity and quality of education in instrumental analytical chemistry by remote access to sophisticated analytical instrumentation. The final version of the logo was fine-tuned via e-mail discussion and at its end it was approved and accepted by all project partners. This logo is presented at the Project website and also appears or will appear on all promo materials and Project outputs.

Promo material (leaflets, flyers) informing about the Project activities and Project outputs have been/are/will be developed and distributed at the occasion of dissemination activities such as Open days, Round tables with enterprises, Workshops, Final conference, Summer school in Mass Spectrometry and also on other events where members of the Project team will participate (conferences, seminars, workshops etc.).

Publicity for modernized MSc and PhD study programs and CPD courses are/will be realized via the Project web pages as well as in printed form. It will be also popularized by concerned PC HEIs on their web pages and in their printed promo materials.

Target group:

- Attendants of events organized within the Project realization
- Attendants of events organized by others with participation of Project team members
- Teaching staff and students of concerned PC HEIs
- Teaching staff and students of other PC HEIs

Measurement of success:

Number of distributed promo materials

DISS6.3: Workshops at each PC University

Task leader: P10 – University of Tirana

Due date: 8th month of 3rd year (30/05/2019)

Language: Serbian, Albanian

Description:

Workshops are an essential knowledge dissemination means. Consortium partners in partner countries will use these workshops to discuss, present and deliberate project related matters and findings.

Six workshops per each PC HEI will be delivered during each Project year (i.e. 36 workshops in 3 years of the Project duration) with the scope to present the Project aims, objectives and also past, present and planned activities.

These workshops will be dedicated to the transfer of knowledge in using OER as teaching tool to university staff and to popularization of NETCHEM platform.

Another topic of the workshops will be the explanation and popularization of modernized MSc/PhD Study programme to students.

Target group:

- students, teachers, researchers and administrative staff from the institution
- other stakeholders

Measurement of success:

Number of participants at the workshops.

DISS6.4: Open days at each PC University

Task leader: P9 – Agricultural University of Tirana

Due date: September 2018 (i.e. one month before start of the new 2018/2019 academic year)

Language: Serbian, Albanian

Description:

Open Days are regularly organized by most of the HEIs to provide an insight into studying at the University, to attract prospective students and to inform wide public about research results and about other activities of the institution.

Within this Project each PC HEI will organize Open Day in 11th month of 2nd year of the project, in September – i.e. one month before start of new 2018/19 academic year. During this event special dissemination part dedicated to modernized study programs that will use OER as enhanced learning tool will be included. The information about the CPD courses that could be offered during the following academic year at the University will be also provided.

Target group:

- prospective students
- prospective participants of CPD courses
- teaching and technical staff of the University
- professional public
- wide public

Measurement of success:

Number of visitors at the Open Days

DISS6.5: Round tables at PC universities

Task leader: P7 –University of Novi Sad

Due date: 5th month of 3rd year (28/02/2019)

Language: Serbian, Albanian

Description:

Each PC HEI will organize 4 round tables during the 7th and 8th month of 2nd year (i.e. in April and May 2018) and 4th and 5th month of 3rd year (i.e. in January and February 2019) – in total 24 round tables

will be organized. The aim of workshops is primarily to create proactive strategy with business partners in the field of environmental and food safety control. During these events the benefits of NETCHEM for business sector representatives will be explained, together with the effect of the improvement in knowledge/skills in using analytical instrumentation on better quality of food products and environmental indicators control/detection. One of goals of the Project is preparation and realization of theoretical and practical courses to enterprises according to their actual needs (tailor-made courses). Possibility of distance learning for enhancing the professional competences and on-line consultation in real time will be also described.

Target group:

- professional public
- stakeholders

Measurement of success:

Number of participants

DISS6.6: Summer School Proceedings

Task leader: P1 – University of Niš

Due date: 8th month of 3rd year (30/05/2019)

Language: English

Description:

The Proceedings will summarize the contributions of the Summer School in Mass Spectrometry, which is traditionally organized by University of Niš, but in 2019 it will be jointly organized by all EU and PC HEIs. All partners will be involved in the presentation of some topics/problems/case studies. The official language of the School will be English. Lectures will be prepared using NETCHEM platform. The School will focus on teaching and discussing modern knowledge in instrumental analytical technique (Mass spectrometry) to students, post-docs and scientists. It will be focused on both theoretical and practical aspects of mass spectrometry. The mass spectrometry experts coming from France, United Kingdom and Czech Republic will present their scientific approaches and also demonstrate the advantages of NETCHEM platform.

Target group:

- professional public

Measurement of success:

Number of participants at the Summer School in Mass Spectrometry in 2019

Number of distributed Summer School Proceedings

DISS6.7: Conference Proceedings

Task leader: P6 – University of Belgrade

Due date: 11th month of 3rd year (April 2019)

Language: English

Description:

At the end of Project duration the University of Belgrade will host and organize one-day scientific conference which will present the outputs of the project.

The conference proceedings will summarize the contributions at this conference.

Target group:

- professional public
- stakeholders

Measurement of success:

Number of participants at the Conference
Number of distributed Conference Proceedings

DISS6.8: Memorandum of utilization of NETCHEM platform

Task leader: P3 – University of Greenwich

Due date: 4th month of 3rd year (January 2019)

Language: English

Description:

After activity of setting the SQL data base as a web-accessible standalone application that will be finished in the 3rd month of the 3rd year (i.e. December 2018); in the next month (January 2019) the privileges and access authorization to NETCHEM platform for consortium members and stakeholders will be set.

The Project management team will take care of the sustainability of the platform after project end, through creating the bilateral agreements between all consortium partners and P1-UN (Serbia) who is hosting NETCHEM platform in IT (hardware/software) and scientific (content) domain. The financial support for the platform, after project completion will be planned, through applications to other project grants (Horizon 2020) and/or membership of stakeholders. The aim is to encourage membership-based consortia to share costs and expertise of NETCHEM.

The memorandum of utilization will be agreed and written.

Target group:

- Project team
- Professional public
- Stakeholders

Measure of success:

Agreement of all Project partners

DISSEMINATION PLAN for 2017-2018

The information about NETCHEM Project is planned to be disseminated at following occasions:

No.	Title of action	Type of action	Organizer	Language	Place	Date	Expect. No. of particip.
1	Analysis of Organic Compounds	Seminar	2Theta Comp.	Czech, Slovak	Lednice, CR	16.-18.10. 2017	75
2	Konferenca e shkencave të natyrës dhe teknologjisë	Conference	UT	Albanian	Tirana	17.-18.11. 2017	> 50
3	EMEC 18 – 18 th European Meeting on Environmental Chemistry	Conference	ACE	English	Porto, Portugal	26.-29.11. 2017	230
4	Metodologjia dhe kërkimi shkencor: traditë dhe risi	Conference	Albanian Young Academy	Albanian	Tirana, Albania	4.-5.12.2017	> 50
5	NETCHEM Belgrade Meeting	Workshop	NETCHEM + UB	English	Belgrade, Serbia	4.-8.12.2017	> 50
6	3. International Conference on Raw Materials to Processed Foods	Conference	Cukurova University	English	Antalya, Turkey	11.-13.4. 2018	> 50
7	European Biotechnology Progress	Conference	Not known	English	Athens, Greece	26.-28.4. 2018	> 50
8	ENVIROCHEM	Conference	Serbian Chemical Society	English, Serbian	Serbia	2018	> 50
9	Chemistry and Life	Conference	Faculty of Chem. BUT	English, Czech, Slovak	Brno, CR	10.-13.9. 2018	120

Sustainability of the NETCHEM Project

Concept of NETCHEM Project Sustainability

A project is sustainable when it continues to deliver benefits to the project beneficiaries and/or other constituencies for an extended period after the Commission's financial assistance has been terminated [1].

A practical way to describe the potential or achieved sustainability of a project is to use the following two criteria:

1. Diversity and intensity of activities/outputs maintained or developed after the end of the funding:
 - Activities/outputs are maintained, i.e. new accreditation procedures (activities) / a curriculum is still used (outputs)
 - Activities/outputs are developed, i.e. needs are assessed annually (activities) / a training centre has developed new training sessions (outputs)
 - Activities/outputs can be disseminated, i.e. creation of a web site presenting e-learning sessions (activities) / Curriculum developed is included in existing courses in universities which do not belong to the initial consortium (outputs)
2. Intensity and enlargement of the cooperation:
 - The international network is maintained, i.e. partners take care of the follow-up.
 - The local network is maintained, i.e. the universities meet regularly with the private firms concerned.
 - Finally, the initial network can be enlarged to incorporate other domains or entities, i.e. new universities or research teams join the constituencies.

Several sustainability factors could be defined; these can be classified in two categories:

1. Project-level factors, that is, elements of the project on which you have a direct influence (i.e. the quality of the project's design). These include:
 - a. Quality of project's design in meeting academic, professional and/or social needs
 - b. Involvement of consortium members: sense of ownership and motivation
 - c. Effective management and leadership
 - d. Active participation of the audience (direct target groups)
 - e. Capacity for securing adequate resources for continuation
2. Context-level factors, that is, elements external to the project itself but that you may influence somehow (i.e. the national support). These cover:
 - a. Academic and/or Institutional support
 - b. National support
 - c. Socio-economic support

Realization of the NETCHEM Project Sustainability

Ensuring the sustainability of the NETCHEM Project sustainability will cover three areas:

1. Continuation of activities from the active period of the Project realization
2. Providing financial resources for the implementation of these activities
3. Confirmation of the mutual interest of the project partners in the continuation of cooperation expressed in the "Agreement on educational, scientific and technical cooperation"

1. Continuation of activities from the active period of the Project realization

a) NETCHEM Project Web Pages

NETCHEM Project web pages (netchem.ac.rs) will remain active at least 5 years after the end of funding. Their updating will be ensured, within the dates as needed. All activities realized during this period (which will be defined further) will be announced there.

Responsibility: University of Niš

b) NETCHEM Platform

NETCHEM Platform will offer 3 kinds of services:

- i. SQL based system for EFSC data collection,
- ii. web accessed remote instrumental analytical laboratories (WARIAL) and
- iii. open education resource (OER) in Partner Country universities.

From these services the SQL based system will be kept fully operational using data collected during the realization of the Project; uploading of new results in this period will be either rare or missing. The application of WARIAL will be realized on the base of agreement between bidders and operators of WARIAL instrumentation. Its main application is expected during realization of specialized courses running at the Partner countries HEIs based on WARIAL. In some special cases this could be offered as paid service. Open educational resources will be also kept fully operational more or less in the version actual at the end of Project funding.

Responsibility: University of Niš

c) Modernized MSc and PhD Courses in EFSC based on using OER and WARIAL

The courses modernized and/or developed during the NETCHEM Project are one of main deliverables. Each HEI institution in Partner Country is supposed to modernize at least 4 MSc and at least 2 PhD courses in the field of EFSC and to develop at least 2 CPD courses in the same field. The MSc and PhD courses are supposed to continue as a part of newly accredited study programs at these institutions.

CPD courses will after the end of Project funding continue to be offered to professional public, but as paid service, i.e. with registration fee. It is supposed that these money will be the main source of finances necessary to keep the sustainability activities operational.

Responsibility: All HEIs in PC

d) *Expert Services*

Wide and multidisciplinary know-how and extensive database built during the Project implementation will create excellent conditions for expert services offered to professional and wide public. These activities as paid services will become another source of money supporting Project sustainability.

Responsibility: All project partners

2. *Financial Plan for the Sustainability*

To assure activities of the NETCHEM Project after the end of funding following sources of money will be used:

a) *Registration fee from organization of CPD courses*

The organization of CPD courses developed during active part of the NETCHEM Project realization will continue after the end of Project funding, but the participants will pay the attendance fee covering the costs associated with the course realization and the profit that will be used to cover the costs related to sustainability.

It is expected that each Partner institution will organize at least 3 CPD courses yearly. The sum of money collected as registration fee will be divided to three equivalent parts, which will be used (i) to cover the organization expenses; (ii) honorary for speakers; (iii) money for Project sustainability.

b) *Faculty Membership Fee*

In case the finances obtained by organization of CD courses won't be sufficient further source will be NETCHEM Platform Membership Fee paid by all HEIs in Partner Countries.

3. *Agreement on educational, scientific and technical cooperation*

Before the end of active period of the Project it is expected that all project partners will sign either the Agreement for Partner Countries or Agreement for all Project partners.

References

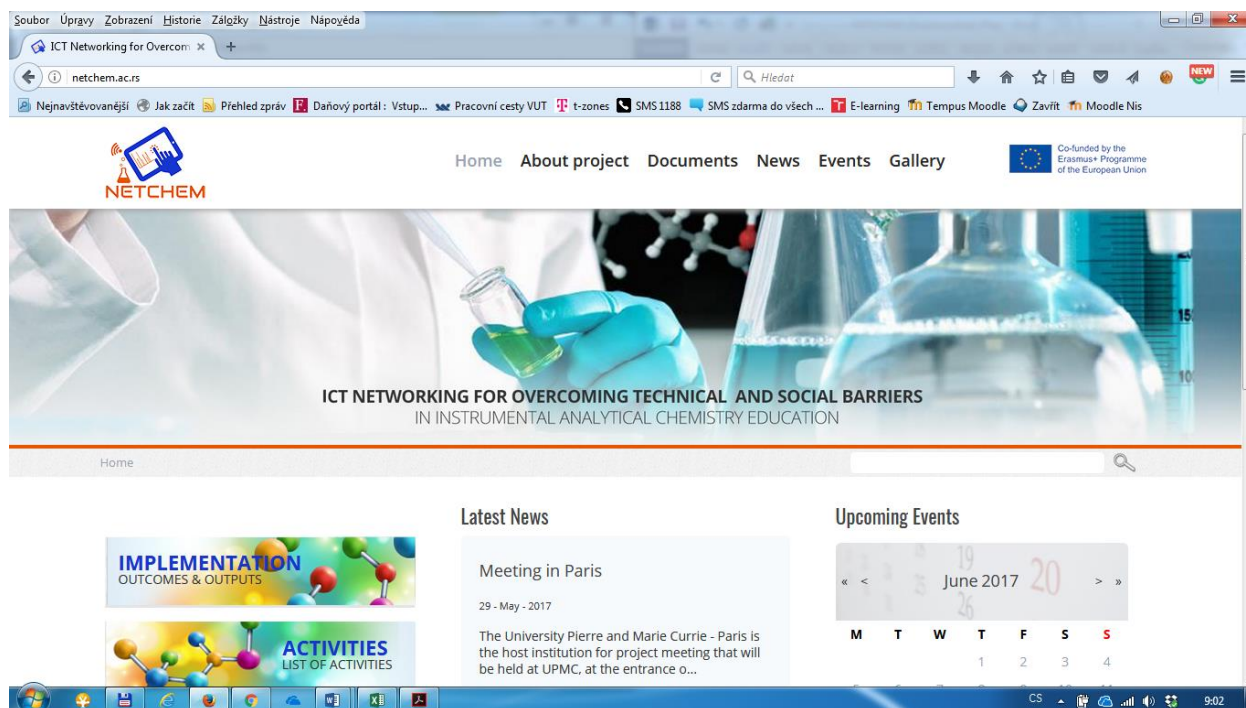
1. *Sustainability of international cooperation projects in the field of higher education and vocational training: Handbook on Sustainability*. Luxembourg: European Commission Directorate-General Education and Culture, 2006.

Attachments

Attachment 1: Project logo



Attachment 2: Printscreen of the Project web page





University of Niš

The NETCHEM Consortium

www.netchem.ac.rs
e-mail: netchem@outlook.com

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ERASMUS+ PROJECT
NETCHEM

ICT Networking for Overcoming Technical and Social Barriers in
Instrumental Analytical Chemistry Education

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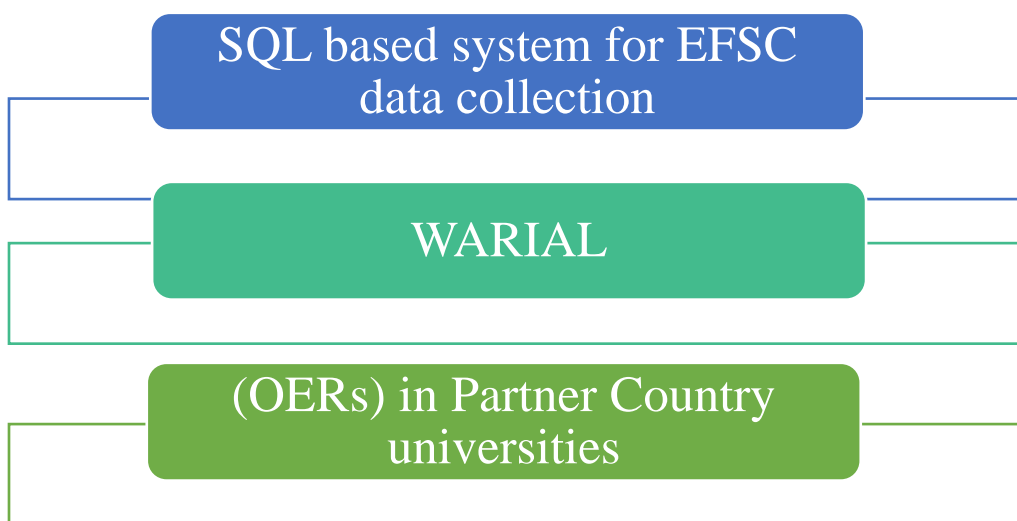


Quantified Indicators for dissemination activities

The main goal of this document is to provide beneficiaries list of activities connected with dissemination and exploitation of the NETCHEM platform and definition of their responsibilities. Effective dissemination is one of key elements enabling publication and popularization of the project results and their acceptance by professional public and also significantly contributes to creating a good image of the project. Another significant contribution is the contribution to mutual awareness of partners.

Activities related with the implementation of dissemination and exploitation of the NETCHEM platform are described here in details. This will help beneficiaries in their successful and effective realization.

Project NETCHEM aims at the establishing of the NETCHEM platform providing three main services:



The primary target audience are people active in EFSC field - HEI teachers, researchers, students and professionals in enterprises. The secondary audience consists of teachers and researchers from non-chemical faculties, administrative staff and also wide public.

The Project tends to promote life-long learning opportunities for HEI teachers and employees in enterprises, quick and reliable results comparisons between researcher groups, distance education and virtual mobility of students within universities, overcoming in this way the technical and social barriers between Partner and EU Countries.

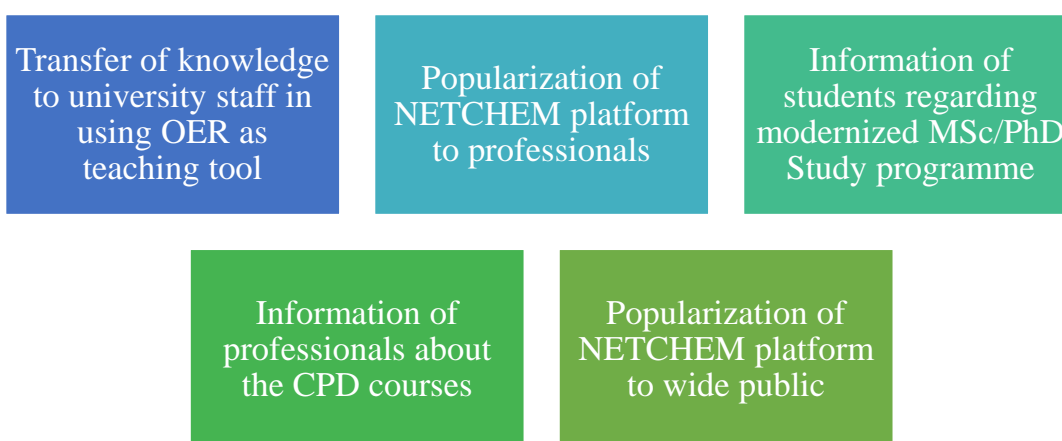
Instrumental analysis of environmental and food samples performed by project members using WARIAL network will provide the basis for establishing the SQL Data Collection of environmental and food quality indicators and chemical data, that will be used for increasing the

public awareness about environmental and food problems addressing to both the professional sector and general public.

The project is complemented by the dissemination, networking activities, international round-tables and study visits. The partnership comprises 14 institutions including 3 EU universities, prominent public EU research organization, 4 Serbian universities and 2 Albanian universities, enterprises and analytical instruments producer.

Dissemination Goals

The main goals of Project NETCHEM dissemination could be defined as follows:



Dissemination strategy and dissemination activities

The dissemination strategy of the Project is based on two main channels:

1. Internet communication (The most important means of the internet communication will be the project web pages; the public part will present the project in details to all interested, the private section accessible only via a user id/password will be restricted to Project partners and eventually other specialists involved in project realization or interested in project results and will improve the efficiency of communication. The second internet based means is data repository, where all relevant documents will be collected)

2. Organization of events (Various events organized by Project partners are considered as very effective way of dissemination; the Project outputs could be presented, described in details, discussed and interactively demonstrated to potential users).

To achieve the dissemination goals the following activities will be realized:

1. Setting and updating of the Project web site (DISS6.1)
2. Design, printing and publishing of promo material (DISS6.2)
3. Workshops at each PC university (DISS6.3)
4. Open days at each PC university (DISS6.4)
5. Round tables in enterprises (DISS6.5)
6. Summer School “Mass Spectrometry in EFSC” at University of Nis (DISS6.6)
7. Final Conference on EFSC through NETCHEM platform (DISS6.7)
8. Defining privileges and access authorizations to NETCHEM platform for consortium members and stakeholders (DISS6.8)
9. Dissemination of information about NETCHEM Project at meetings, seminars, conferences etc. with participation of NETCHEM team members

DISS6.1: Setting and updating of the Project website

Task leader: P1 – University of Niš

Estimated start day: 2nd month of 1st year (15/11/2016)

Estimated end day: 12th month of 3rd year (15/10/2019)

Language: English (Serbian, Albanian - maybe)

Description: The project web-site has been designed and launched and it is continually updated. It contains all relevant information about actual status of the Project, finished, on-going and planned activities. Information will be presented here:

Latest news and incoming events

- Following pieces

Detailed description of the Project: o Summary of the Project

- Description of Project partners including Project team members
- Characterization of aims and objectives of the Project
- Overview of activities
- Outputs of individual work packages
- Work plan of the Project
- List of contact persons in all partners' institutions
- Links to project outputs and important external links

Secondly Documents developed during Project realization

News containing information about approaching meetings; events

Gallery with photos from project meetings; templates for the presentations, reports and other developed documents

In future the site will also contain the link to the NETCHEM platform that will be created during the Project. For on-going updates of the website 6 teachers, 6 technical staff and 6 administrative staff will be (have been) trained.

Target group: Project team, Teachers and students at PC and EU partner institutions, Professional public, Stakeholders, Wide public

Measurement of success: Number of visits of the Project web pages (daily, weekly, monthly and total visits counter).

DISS6.2: Design, printing and publishing of promo material

Task leader: P1 – University of Niš

Due date: 12th month of 3rd year (15/9/2019)

Language: English (Serbian, Albanian)

Description: Within this activity the project logo was designed, reflecting the main goal of the Project, which is increasing of the effectivity and quality of education in instrumental analytical chemistry by remote access to sophisticated analytical instrumentation. The final version of the logo was fine-tuned via e-mail discussion and at its end it was approved and accepted by all project partners. This logo is presented at the Project website and also appears or will appear on all promo materials and Project outputs. Promo material (leaflets, flyers) informing about the Project activities and Project outputs have been/are/will be developed and distributed at the occasion of dissemination activities such as Open days, Round tables with enterprises, Workshops, Final conference, Summer school in Mass Spectrometry and also on other events where members of the

Project team will participate (conferences, seminars, workshops etc.). Publicity for modernized MSc and PhD study programs and CPD courses are/will be realized via the Project web pages as well as in printed form. It will be also popularized by concerned PC HEIs on their web pages and in their printed promo materials.

Target group: Attendants of events organized within the Project realization, Attendants of events organized by others with participation of Project team members, Teaching staff and students of concerned PC HEIs, Teaching staff and students of other PC HEIs

Measurement of success: Number of distributed promo materials

DISS6.3: Workshops at each PC University

Task leader: P10 – University of Tirana

Due date: 8th month of 3rd year (30/05/2019)

Language: Serbian, Albanian

Description: Workshops are an essential knowledge dissemination means. Consortium partners in partner countries will use these workshops to discuss, present and deliberate project related matters and findings. **Six workshops per each PC HEI will be delivered during each Project year** (i.e. 36 workshops in 3 years of the Project duration) with the scope to present the Project aims, objectives and also past, present and planned activities. These workshop will be dedicated to the transfer of knowledge in using OER as teaching toll to university staff and to popularization of NETCHEM platform. Another topic of the workshops will be the explanation and popularization of modernized MSc/PhD Study programme to students.

Target group: students, teachers, researchers and administrative staff from the institution, other stakeholders

Measurement of success: Number of participants at the workshops.

DISS6.4: Open days at each PC University

Task leader: P9 – Agricultural University of Tirana

Due date: September 2018 (i.e. one month before start of the new 2018/2019 academic year)

Language: Serbian, Albanian

Description: Open Days are regularly organized by most of the HEIs to provide an insight into studying at the University, to attract prospective students and to inform wide public about research results and about other activities of the institution. Within this Project each PC HEI will organize Open Day in 11th month of 2nd year of the project, in September – i.e. one month before start of new 2018/19 academic year. During this event special dissemination part dedicated to modernized study programs that will use OER as enhanced learning toll will be included. The information

about the CPD courses that could be offered during the following academic year at the University will be also provided.

Target group: prospective students, prospective participants of CPD courses, teaching and technical staff of the University, professional public, wide public

Measurement of success: Number of visitors at the Open Days

DISS6.5: Round tables at PC universities

Task leader: P7 –University of Novi Sad

Due date: 5th month of 3rd year (28/02/2019)

Language: Serbian, Albanian

Description: Each PC HEI will organize 4 round tables during the 7th and 8th month of 2nd year (i.e. in April and May 2018) and 4th and 5th month of 3rd year (i.e. in January and February 2019) – in total 24 round tables will be organized. The aim of workshops is primarily to create proactive strategy with business partners in the field of environmental and food safety control. During these events the benefits of NETCHEM for business sector representatives will be explained, together with the effect of the improvement in knowledge/skills in using analytical instrumentation on better quality of food products and environmental indicators control/detection. One of goals of the Project is preparation and realization of theoretical and practical courses to enterprises according to their actual needs (tailor-made courses). Possibility of distance learning for enhancing the professional competences and on-line consultation in real time will be also described.

Target group: professional public, stakeholders

Measurement of success: Number of participants

DISS6.6: Summer School Proceedings

Task leader: P1 – University of Niš

Due date: 8th month of 3rd year (30/05/2019)

Language: English

Description: The Proceedings will summarize the contributions of the Summer School in Mass Spectrometry, which is traditionally organized by University of Niš, but in 2019 it will be jointly organized by all EU and PC HEIs. All partners will be involved in the presentation of some topics/problems/case studies. The official language of the School will be English. Lectures will be prepared using NETCHEM platform. The School will focus on teaching and discussing modern knowledge in instrumental analytical technique (Mass spectrometry) to students, post-docs and scientists. It will be focused on both theoretical and practical aspects of mass spectrometry. The mass spectrometry experts coming from France, United Kingdom and Czech Republic will present their scientific approaches and also demonstrate the advantages of NETCHEM platform.

Target group: professional public

Measurement of success: Number of participants at the Summer School in Mass Spectrometry in 2019, Number of distributed Summer School Proceedings

DISS6.7: Conference Proceedings

Task leader: P6 – University of Belgrade

Due date: 11th month of 3rd year (April 2019)

Language: English

Description: At the end of Project duration the University of Belgrade will host and organize one-day scientific conference which will present the outputs of the project. The conference proceedings will summarize the contributions at this conference.

Target group: professional public, stakeholders

Measurement of success: Number of participants at the Conference, Number of distributed Conference Proceedings

DISS6.8: Memorandum of utilization of NETCHEM platform

Task leader: P3 – University of Greenwich

Due date: 4th month of 3rd year (January 2019)

Language: English

Description: After activity of setting the SQL data base as a web-accessible standalone application that will be finished in the 3rd month of the 3rd year (i.e. December 2018); in the next month (January 2019) the privileges and access authorization to NETCHEM platform for consortium members and stakeholders will be set. The Project management team will take care of the sustainability of the platform after project end, through creating the bilateral agreements between all consortium partners and P1-UN (Serbia) who is hosting NETCHEM platform in IT (hardware/software) and scientific (content) domain. The financial support for the platform, after project completion will be planned, through applications to other project grants (Horizon 2020) and/or membership of stakeholders. The aim is to encourage membership-based consortia to share costs and expertise of NETCHEM. The memorandum of utilization will be agreed and written.

Target group: project team, professional public, stakeholders

Measure of success: Agreement of all Project partners

Sustainability Activities of the NETCHEM Project

To fulfill the NETCHEM Project sustainability, following activities will be realized:

NETCHEM Project Web Pages

NETCHEM Project web pages (netchem.ac.rs) will remain active at least 5 years after the end of funding. Their updating will be ensured, within the dates as needed. All activities realized during this period (which will be defined further) will be announced there.

Responsibility: University of Niš

NETCHEM Platform will offer 3 kinds of services

1. SQL based system for EFSC data collection
2. WARIAL
3. OER in Partner Country universities.

From these services the SQL based system will be kept fully operational using data collected during the realization of the Project; uploading of new results in this period will be either rare or missing. The application of WARIAL will be realized on the base of agreement between bidders and operators of WARIAL instrumentation. Its main application is expected during realization of specialized courses running at the Partner countries HEIs based on WARIAL. In some special cases this could be offered as paid service. Open educational resources will be also kept fully operational more or less in the version actual at the end of Project funding.

Responsibility: University of Niš

Modernized MSc and PhD Courses in EFSC based on using OER and WARIAL

The courses modernized and/or developed during the NETCHEM Project are one of main deliverables. Each HEI institution in Partner Country is supposed to modernize at least 4 MSc and at least 2 PhD courses in the field of EFSC and to develop at least 2 CPD courses in the same field. The MSc and PhD courses are supposed to continue as a part of newly accredited study programs at these institutions.

CPD courses will after the end of Project funding continue to be offered to professional public, but as paid service, i.e. with registration fee. It is supposed that these money will be the main source of finances necessary to keep the sustainability activities operational.

Responsibility: All HEIs in PC

Expert Services

Wide and multidisciplinary know-how and extensive database built during the Project implementation will create excellent conditions for expert services offered to professional and wide public. These activities as paid services will become another source of money supporting Project sustainability.

Responsibility: All project partners

Financial Plan for the Sustainability

To assure activities of the NETCHEM Project after the end of funding following sources of money will be used:

1. Registration fee from organization of CPD courses

The organization of CPD courses developed during active part of the NETCHEM Project realization will continue after the end of Project funding, but the participants will pay the attendance fee covering the costs associated with the course realization and the profit that will be used to cover the costs related to sustainability.

2. Faculty Membership Fee

In case the finances obtained by organization of CD courses won't be sufficient further source will be NETCHEM Platform Membership Fee paid by all HEIs in Partner Countries.