

# NATIONAL ERASMUS+ OFFICE IN UKRAINE

## (EU-funded project)

Based on results of the SEMINAR on  
 “Capacity Building in Higher Education Structural Measures Tempus Projects: current outcomes”  
 20 November 2015, EACEA (Brussels), Ministry of Education and Sciences of Ukraine, NEO Ukraine

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### GENERAL RECOMMENDATIONS TO ALL PROJECTS

1. Annual Round Table “Tempus & Erasmus+ Projects Outcomes Implementation: National and International levels” should be established (responsible – NEO, projects and Ministry of Education and Sciences of Ukraine).
2. Facilitate participation of representatives of the Ministry of Education and Science of Ukraine and strengthen the role of the Ministry in project implementation, exploitation and dissemination of Tempus & Erasmus+ projects outcomes.
3. Engage employers to participate in Tempus & Erasmus+ projects development and implementation.
4. Involve graduates, students, young researchers into the process of curricula development on competence-based approach within Tempus & Erasmus+ projects development and implementation, which foresees learning outcomes described based on competence of future professional at all level, as well as into the capacity building of departments on research, innovation, career development and employability, etc.
5. Reinforce the focus on systematic studies on state of play of higher education reforming and analysis of legislation that help to define project idea and risk assessment as well as ensure effective implementation.
6. Perform on regular basis seminars and trainings to higher education institutions on implementation of Bologna instruments: ECTS, ESG, Qualification Frameworks, student-centered learning and teaching, competence-based approach etc where possible within projects events.
7. Promote to the international educational market Joint curricula for Master and Doctoral (PhD) levels developed within a Tempus projects to engage international students and allowing an individual to receive two or more degrees from partner universities.
8. Develop the third higher education cycle – structured PhD programmes based on modern approaches and international experience in the Doctoral School format, using corresponding results of a number of Tempus projects aimed at developing research training and Doctoral Schools.
9. Ensure inclusiveness of specific courses for soft/transferable competences development into modernized and created Master and Doctoral (PhD) programmes within Tempus & Erasmus+ projects for the purpose of graduates’ employability enhancement.
10. Implement the joint use of the various modern equipment and software purchased within the Tempus project by partner universities (computer classes, video conference halls, special educational research laboratories, libraries, etc).
11. Place on the Internet resources both on the websites of the universities participating in the projects and at various information and communication events so that other higher educational institutions could use them in their work (electronic consulting networks, e-libraries, platforms, Internet portals, media centres, distant learning systems, etc).
12. Promote results of Tempus projects and disseminate information in the Internet space, it is necessary to make the most use of educational Internet resources and the website of the Ministry of Education and Science of Ukraine not only during project implementation but also after that, to ensure sustainability of the project results.
13. Develop strategic projects with focus on achievement of specific purpose and objectives over 5-7 years using international projects: as an example to enhance social dimension of higher education by expanding courses to different audiences – disadvantaged groups, housewives, newly set enterprises, retired citizens, etc. and to increase multi-disciplinary aspects of programs that are of interest to professionals in the different domains (e.g. e-trading systems are in interest of engineers, economics, IT specialists).



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14. Regular training Universities leadership and faculties on new skills in the context of autonomy: student-centered learning and teaching, ICT, soft skills, R&D, academic writing and foreign language, innovation and commercialization, new management and leadership.

### SPECIFIC RECOMMENDATIONS

#### 1. LeAGUe – Network for Developing Lifelong Learning in Armenia, Georgia and Ukraine (2013-2016)

Presenter – *Sergii STIRENKO*, National Technical University of Ukraine «Kyiv Polytechnic Institute»

Ukrainian partners: KHARKIV NATIONAL UNIVERSITY OF RADIOELECTRONICS, NATIONAL TECHNICAL UNIVERSITY OF UKRAINE “KYIV POLYTECHNIC INSTITUTE”, ODESSA NATIONAL POLYTECHNIC UNIVERSITY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV

##### Outcomes

1. *Plan* of implementation of framework for LLL.
2. Proposition of *legal and administrative framework* within which the educational institutions can act.
3. *Guidelines* for the educational institutions to implement LLL.
4. *Quality LLL policies and programs*.
5. *Analytical picture* of the needs on LLL.
6. *Cross-country LLL strategy*.
7. *LLL Centers*.

##### Recommendation

- Present developed *proposals on the legal and administrative framework for LLL* to the Ministry, Parliament’ Committee for Science and Education Issues and HEREs, expert group for improvement of Draft Law on Education.
- Disseminate the *Guidelines for LLL implementation* via Internet-sites of the Ministry, NEO and project partners.
- Submit *LLL strategy and analytical materials on LLL needs, quality LLL policies and programs* to the Ministry for use in processing development of Higher Education Development Strategy 2020.
- Conduct regular national and regional events on LLL issues on the base of established *LLL Centers* using LLL Centers’ Internet-sites as platform for discussion on legal and administrative framework for LLL.

#### 2. FKTBUM – Fostering the Knowledge Triangle in Belarus, Ukraine and Moldova (2013-2016)

Presenter - *Valentina TKACHENKO*, National Transport University

Ukrainian partners: NATIONAL TRANSPORT UNIVERSITY, UZHGOROD NATIONAL UNIVERSITY, VOLODYMYR DAHL EAST-UKRAINIAN NATIONAL UNIVERSITY, NATIONAL RESEARCH INSTITUTE FOR ROAD TRANSPORT, NATIONAL RECTORS' COUNCIL OF UKRAINE

##### Outcomes

1. *Trained education managers*.
2. *Implementation plan* of activities in relation to integration of higher education, innovation and research in Belarus, Moldova and Ukraine.

##### Recommendation

- Present developed *Plan of activities on integration of higher education, innovation and research* (using the prepared monograph on these issues) to the Ministry, Parliament’ Committee for Science



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and Education Issues and HEREs, expert groups for implementation of the Law on Higher Education, the Law on Science and Scientific and Technical Activity.

- Disseminate Plan of activities on integration of higher education, innovation and research via Internet-sites of the Ministry, NEO and project partners.
- Conduct regular national and regional events on issues of integration of higher education, innovation and research by trained education managers of Universities-partners.

### 3. UNIVIA – Development and improvement of the University Administration on International Affairs (2013-2016)

Presenter – Olena *CHRNIVYAVSKA*, Poltava University of Economics and Trade, Yavgenia KOLOMIETS-LUDVYG, Kyiv National Economic University named after Vadym Hetman

Ukrainian partners: KYIV NATIONAL ECONOMIC UNIVERSITY NAMED AFTER VADYM HETMAN, POLTAVA UNIVERSITY OF ECONOMICS AND TRADE

#### Outcomes

1. Developed necessary *policy documents* on base of review of Partner & EU universities' International Relations Offices (IRO)
2. Created completely new *International Relations Office (IRO)* and *Quality Monitoring Division* within it in the partner universities with optimal and flexible *administration mechanisms* in order to improve the work of IROs as an integral part of overall University administration.
3. Established *special mechanism* for IROs based on both European experience and own educational traditions, that will assist partner universities to clarify the concrete *mission and tasks of IRO*
3. *Worldwide universities network*
4. *Number of foreign students and teaching staff* as well as participation in exchange programs will be significantly *increased* (2016).
5. Partner universities will have much more potential to be *included* in internationally recognized *university ranking lists* Azerbaijan, Italy, Kyrgyzstan, Spain, Tajikistan, United Kingdom.

#### Recommendation

- Disseminate Review of Partner & EU universities' IROs and developed Policy documents on International Relations Office via Internet-sites of the Ministry, NEO and project partners.
- Provide training on optimal and flexible administration mechanisms of the IROs activity as an integral part of overall University administration by representatives of created new International Relations Office (IRO) and Quality Monitoring Division within it in the partner universities (in cooperation with the Ministry).
- Present established worldwide universities network (Azerbaijan, Italy, Kyrgyzstan, Spain, Tajikistan, Ukraine, United Kingdom), its mission and objectives, requirements for joining the Network.
- Present results of network and IROs activity in the context of indicators changes (*number* of foreign students and teaching staff, *participation* in international exchange programs, university' position within national and international ranking lists).
- Participation in organization of regular workshops on internationalization (incl. new function of International Relation Units) in cooperation with NEO and the Ministry.
- Take part in organization and conduct NEO and HEREs' seminars on HE Internationalization issues in cooperation with the Ministry.
- Provide cooperation with Tempus projects **PICASA** – Promoting Internationalization of HEIs in Eastern Neighborhood Countries through Cultural and Structural Adaptations, **EICL** – E-internationalization for collaborative learning.



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### 4. PICASA – Promoting Internationalization of HEIs in Eastern Neighborhood Countries through Cultural and Structural Adaptations (2013-2016)

Presenter — Valeriy LEBID, Odessa National Polytechnic University

Ukrainian partners: NATIONAL METALLURGICAL ACADEMY OF UKRAINE, ODESSA NATIONAL POLYTECHNIC UNIVERSITY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV, YURIY FEDKOVYCH CHERNIVTSI NATIONAL UNIVERSITY

#### Outcomes

1. Identification and development of *new skills, attitudes and knowledge* in students, faculty and staff
2. *Trained staff and revised functions* of IROs
3. HEI-wide *policies and procedures* for integration of international dimension into the *teaching, learning and research* functions of HEIs
4. *Software* for the database necessary for internationalization
5. *Academic programmes* with internationalization dimensions
6. *Approaches* to research internationalization: scholarly collaboration, study abroad, student and staff mobility
7. *New approaches* to curricula internationalization
8. *Quality assurance* of internationalization (the MINT approach)

#### Recommendation

- Provide training on new skills, attitudes and knowledge for students, faculties and administrative staff of HEIs, incl. new approaches to curricula internationalization and quality assurance of internationalization (the MINT approach), by trained staff of IROs (in cooperation with the Ministry).
- Disseminate the developed HEI-wide policies and procedures for integration of international dimension into the teaching, learning and research functions of HEIs via Internet-sites of the Ministry, NEO and project partners.
- Provide open access to the created internationalization database for HEIs, the Ministry and other stakeholders.
- Present results of IROs activity in the context of quality assurance of internationalization (the MINT approach), indicators changes (*number* of academic programmes with internationalization dimensions, number foreign students and teaching staff, number student and staff mobility, international scholarships, etc.).
- Participate in organization of regular workshops on internationalization (incl. policies and procedures for integration of international dimension into the teaching, learning and research functions of HEIs, new function of International Relation Units) in cooperation with NEO and the Ministry.
- Submit policies for integration of international dimension into the teaching, learning and research functions of HEIs, Quality assurance of internationalization to the Ministry for use in processing development of Strategy of Higher Education 2020.
- Take part in organization and conduct NEO and HERES' seminars on HE Internationalization issues in cooperation with the Ministry.
- Prepare proposal for *Internationalization Strategy* for University and National levels and submit to the Ministry and NEO.
- Provide cooperation with Tempus projects **UNIVIA** – Development and improvement of the University Administration on International Affairs, **EICL** – E-internationalization for collaborative learning.



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### 5. ELITE – Education for Leadership, Intelligence and Talent Encouraging (2013-2016)

**Presenter** – Svitlana KALASHNIKOVA, Director, Institute of Higher Education, NAES of Ukraine, HERE  
**Ukrainian partners:** INSTITUTE OF HIGHER EDUCATION under NAES OF UKRAINE, BORYS GRINCHENKO KYIV UNIVERSITY, NATIONAL ACADEMY OF PUBLIC ADMINISTRATION, OFFICE OF THE PRESIDENT OF UKRAINE, NATIONAL AVIATION UNIVERSITY, ODESSA I.I.MECHNIKOVA NATIONAL UNIVERSITY, NATIONAL TECHNICAL UNIVERSITY "KHARKIV POLYTECHNIC INSTITUTE", TERNOPIL V.HNATIUK NATIONAL PEDAGOGICAL UNIVERSITY, DONETSK STATE UNIVERSITY OF MANAGEMENT

#### Outcomes

1. *Conception* “Universities’ role in Leadership and Organizational Development” and *normative documents* on Human Resources Development (HRD).
2. Created infrastructure (staff, capacities, equipment, software, informational resources) for Leadership and Organizational Development (L&OD):
  - *Centers of Leadership* (CLs);
  - *Certified experts* on L&OD;
  - *Web-environment* on L&OD.
3. Developed methodological and learning environment (content, methods, tools) for L&OD in 3 pilot spheres (Education (ED), Public Service (PS), Entrepreneurship (EN)):
  - *Methodology* for LD;
  - *Methodology* for OD;
  - *Manuals* on L&OD;
  - *Trainings* on L&OD;
  - *Coaching* on L&OD;
  - *Consultancy* L&OD;
  - *Services* on assessments of leadership potential;
  - *Services* on institutional audits;
  - *Summer Leadership Academy*.
4. *E-journal* on L&OD.
5. International conferences on L&OD (Conference Proceedings).
6. Round-tables for university rectors on L&OD.

#### Recommendation

- Present *Conception* “Universities’ role in Leadership and Organizational Development” and develop *Plan of implementation* of Leadership and Organizational Development Conception.
- Submit normative documents on HRD to the Ministry for use in processing development of Strategy of Higher Education 2020 and Higher Education Reform&Policy.
- Provide *regular courses* on Leadership and Organizational Development for University leaderships in cooperation with the Ministry on base of Centers of Leadership (CLs) on national and regional levels by certified experts on L&OD.
- Develop and implement *regular training* for Departments’ heads, faculties using methodologies for LD and OD, manuals on L&OD, including activities in frame of annual Summer Leadership Academy.
- Services on *Institutional Audits for HEIs* in cooperation with the Ministry.
- Promote *E-journal Universities and Leadership* to international scientific bases.
- Regular *Round-tables for University Rectors, Vice-Rectors* on L&OD in cooperation with the Ministry.



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### 6. EANET – Entrepreneur Alumni Network (2013-2016)

Presenter – *Oleksandr USHENKO*, Yuriy Fedkovych Chernivtsi National University

Ukrainian partners: KHARKIV NATIONAL UNIVERSITY OF RADIOELECTRONICS, V.N. KARAZIN KHARKIV NATIONAL UNIVERSITY, KHARKIV NATIONAL AUTOMOBILE AND HIGHWAY UNIVERSITY, YURIY FEDKOVYCH CHERNIVTSI NATIONAL UNIVERSITY, KROK UNIVERSITY

#### Outcomes

1. Established *Entrepreneur Alumni Networks* (EAN) for students, scientists and alumni.
2. Created *entrepreneurship-related associations* at HEIs.
3. Created *international entrepreneurial networks* of universities, experts, external cooperation partners, companies and entrepreneur.
4. Reduced graduates' unemployment by supporting young founders and create international jobs and internships in *start-ups*.
5. Created *fundraising structures* (each EAN of participating HEI should be financially independent at the end of EANET funding).
6. Regular *networking events and offering an EANET prize* to especially active members.

#### Recommendation

- Present established *Entrepreneur Alumni Networks* (EAN) and *International Entrepreneurial Network* (IEN) of universities, experts, external cooperation partners, companies and entrepreneur (Germany, Georgia, Moldova, Netherlands, Romania, Ukraine), its mission and objectives, requirements for joining the Networks to HEIs and the Ministry, place detailed information about EAN and IEN on Internet-sites of universities-partners.
- Disseminate European approaches to create *Alumni* and fundraising structures for providing financial independent EAN via Internet-sites of universities-partners and the Ministry.
- Present established entrepreneurship-related associations for HEIs, its mission and objectives, requirements for joining the associations to the Ministry and other stakeholders.
- Provide cooperation with Tempus project **IMPRESS** – Improving the Efficiency of Student Services.

### 7. QANTUS – Qualifications Frameworks for Environmental Science at Ukrainian Universities (2013-2016)

Presenter – *Vadym ZAKHARCHENKO*, Odessa National Maritime Academy, HERE

Ukrainian partners: ODESSA NATIONAL MARITIME ACADEMY, ODESSA STATE ENVIRONMENTAL UNIVERSITY, BILA TSERKVA NATIONAL AGRARIAN UNIVERSITY, V.N. KARAZIN KHARKIV NATIONAL UNIVERSITY, LVIV NATIONAL AGRARIAN UNIVERSITY, UMAN NATIONAL UNIVERSITY OF HORTICULTURE, NATIONAL UNIVERSITY OF LIFE AND ENVIRONMENTAL SCIENCES OF UKRAINE, SCIENCE AND METHODOLOGY CENTRE FOR AGRICULTURAL EDUCATION, INSTITUTE OF CARPATHIAN ECOLOGY, NATIONAL AGRARIAN ACADEMY OF SCIENCES

#### Outcomes

1. *Sectoral Qualifications Frameworks* for Environmental Science.
2. Analyses of existing standards and methodologies of Qualifications Frameworks development in Environmental Science



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3. *Training courses* on developing and implementing new study programs compatible with Qualifications Frameworks in Environmental Science.
4. *Training center* devoted to development and implementation of study programs compatible with Qualifications Frameworks in Environmental Science and to development and implementation of training courses on related subjects

### **Recommendation**

- Present developed proposals of the Sectoral Qualifications Frameworks for Environmental Science (incl. list of *competencies* and *learning outcomes*, *methodical approaches to SQF development*) to the Ministry, Scientific and Methodic Council, Scientific and Methodic Commissions, HEREs, expert group for preparation of Guidelines for Higher Education Standards development.
- Provide training courses on developing and implementing new study programs compatible with Qualifications Frameworks in Environmental Science on the base of *training center* in cooperation with the Ministry and HERE team.
- Provide *training courses* on developing and implementing new study programs compatible with HE standards (Qualifications Frameworks) for representatives of Scientific and Methodic Council, Scientific and Methodic Commissions in cooperation with the Ministry and HERE team.
- Provide cooperation with Tempus projects **ALIGN** – Achieving and checking the alignment between academic programmes and qualification frameworks and **INARM** – Informatics and Management: Bologna-Style Qualifications Frameworks.

## 8. **INOVEST – Eastern Partnership in Pedagogical Innovations in Inclusive Education (2012-2016)**

Presenter – Svitlana KHADZHYRADIEVA, Anton ANANIEV, South Ukrainian National Pedagogical University named after K.D. Ushynsky

Ukrainian partners: NATIONAL PEDAGOGICAL DRAGOMANOV UNIVERSITY, ODESA REGIONAL IN-SERVICE TEACHER TRAINING INSTITUTE, SOUTH UKRAINIAN NATIONAL PEDAGOGICAL UNIVERSITY NAMED AFTER K.D. USHYNKY

### **Outcomes**

1. *Methodological and educational framework* for the development and implementation of professional teachers' training programmes in Pedagogical Innovations in Inclusive Education.
2. *National network of promoters of Pedagogical Innovations in Inclusive Education* for the support and implementation of innovative education in Belarus, Ukraine and Moldova.
3. *Pedagogical Innovations in Inclusive Education policy* in Belarus, Ukraine and Moldova.
4. *Resource guide* on Pedagogical Innovations in Inclusive Education and professional teachers training.
5. *Teacher Training programmes* for Pedagogical Innovations in Inclusive Education.
6. *New curricula and courses* for Teacher Training.

### **Recommendation**

- Present developed Pedagogical Innovations in Inclusive Education *policy* and *best practice* to the Ministry and Parliament' Committee on Science and Education.
- Prepare and submit proposals on Inclusive Education issues for Draft Law on Education.
- Present created methodological and educational framework (*incl.* Resource Guide on Pedagogical Innovations in Inclusive Education and professional teachers training; Teachers Training programmes, new curricula and courses in Pedagogical Innovations in Inclusive Education) to the Ministry, Scientific and Methodic Council, HEREs, expert group for preparation of Guidelines for Higher Education Standards development.





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- Disseminate Resource *Guide* on Pedagogical Innovations in Inclusive Education and professional teachers training via Internet-sites of universities-partners and the Ministry.
- Present established *National network of promoters of Pedagogical Innovations in Inclusive Education* for the support and implementation of innovative education (Belarus, Ukraine, Moldova), its mission and objectives, requirements for joining the Network to HEIs and the Ministry, place detailed information about Network on Internet-sites of universities-partners.
- Provide workshops on Pedagogical Innovations in Inclusive Education *policy* and *best practice* in line with Resource *Guide* on Pedagogical Innovations in Inclusive Education and professional teachers training on the base of *National network of promoters* in cooperation with the Ministry and HERE team.

### 9. ATHENA – Fostering Sustainable and Autonomous Higher Education Systems in the Eastern Neighbouring Area (2012-2016)

Presenter – Svitlana BILOUS, Taras Shevchenko National University of Kyiv, Laryssa SARKISIAN, Donetsk National University

Ukrainian partners: TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV, LESYA UKRAINKA EAST-EUROPEAN NATIONAL UNIVERSITY UKRAINE, ODESSA I.I. MECHNIKIOV NATIONAL UNIVERSITY, DONETSK NATIONAL UNIVERSITY, NATIONAL RECTORS' COUNCIL OF UKRAINE

#### Outcomes

1. *Strategic frameworks* and *implementation plans* for structural reform at national level for enhance institutional and financial autonomy and accountability of HEIs.
2. Up-to-date data/analysis of the status quo of university autonomy and funding in the PCs.
3. Incorporation of the Ukraine' profiles into EUA's existing autonomy online tool to enable benchmarking with other European countries.
4. *Country-specific policy roadmaps, institutional toolkits* and *learning resources* (English/PC languages) providing concrete guidelines and practical support.
5. Improved framework conditions for HEIs in the PCs with more autonomy and better accountability *mechanisms*.
6. Change in perceptions, management cultures and practices in the HE sector of the PCs.
7. *New skills* of university management staff and leadership in the PCs.

#### Recommendation

- Present developed *Strategic Frameworks* and *Implementation Plan* for structural reform at national level for enhance institutional and financial *autonomy* and accountability of HEIs to the Ministry and Parliament' Committee on Science and Education, Ukrainian academic society.
- Present developed *Policy Roadmap* on institutional and financial autonomy and accountability of HEIs to the Ministry and Ukrainian academic society.
- Disseminate *institutional toolkits* (EUA's criteria & parameters of autonomy) and *learning resources* (English/Ukrainian languages) providing guidelines and practical support for HEIs via Internet-sites of universities-partners, the Ministry and NEO.
- Provide *regular workshops* on *new skills* for university management staff and leadership in cooperation with the Ministry, NEO and HERE team.

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### 10. IMPRESS – Improving the Efficiency of Student Services (2012-2016)

Presenter – Laryssa SARKISIAN, Donetsk National University, Oleksandr CHERNYAK, Taras Shevchenko National University of Kyiv

Ukrainian partners: IVAN FRANKO NATIONAL UNIVERSITY OF LVIV, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV, V.N. KARAZIN KHARKIV NATIONAL UNIVERSITY, DONETSK NATIONAL UNIVERSITY, UKRAINIAN ASSOCIATION OF STUDENT SELF-GOVERNMENT

#### Outcomes

1. New management structure - *Student Support Service Centre* for providing a better student experience at Ukrainian universities incorporating what happens at entry (recruitment), during their study (new structures and courses) and after they leave ( Alumni Societies).
2. Modernized recruitment process – closer links with secondary schools and the introduction of *psychometric testing* to attract the right students to the right courses.
3. Improved placement services at the universities – using modern information technologies and providing specially designed courses for both students and enterprises.
4. Trained students in personal and communication skills including social networking and being able to collaborate with others use lateral and more creative thinking.
5. More communication between Ukrainian and European students groups.
6. *Alumni Societies* as a source of *funding to sustain Centres* after the end of the project.
7. *Strategic framework for Ukraine* which will ensure the spread of project' ideas on a national level and legal basis.

#### Recommendation

- Promote the *Student Support Service Centre* as a new management structure within University for providing a better student experience at Ukrainian universities (using Internet-sites of the Ministry, NEO, partner-universities).
- Disseminate developed *psychometric testing* for secondary schools on purpose to attract the right students to the right courses.
- Provide workshops on *Alumni Society' funding tools* for supporting Student Services in University in cooperation with the Ministry and HERE team.
- Provide cooperation with Tempus project **EANET** – Entrepreneur Alumni Network.
- Present draft *Student Services Strategic framework for Ukraine* and developed proposals for legal basis improvement for national public discussion at the Internet-site of the Ministry.

### 11. NEFESIE – National Education Framework for Enhancing IT Students' Innovation and Entrepreneurship (2012-2016)

Presenter – Viktor KAUK, Kharkiv National University of Radioelectronics

Ukrainian partners: IVANO-FRANKIVSK NATIONAL TECHNICAL UNIVERSITY OF OIL AND GAS; KHARKIV NATIONAL UNIVERSITY OF RADIOELECTRONICS; LVIV POLYTECHNIC NATIONAL UNIVERSITY; ODESSA NATIONAL POLYTECHNIC UNIVERSITY; VINNYTSIA NATIONAL TECHNICAL UNIVERSITY

#### Outcomes

1. Modernised *IT related educational programs* for promotion of students' creativity, innovation and entrepreneurship
2. *National standard for Software Engineering Master* programs that includes new courses on innovation and entrepreneurship.



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3. *Virtual Innovative Space* for Ukrainian students, researchers and IT professionals
4. *Guidelines and recommendations* for adoption on a national scale for university – company cooperation with a focus on student innovation and entrepreneurship

### **Recommendation**

- Present *National Standard for Software Engineering (Master level)* for the Ministry, and Ministry's Scientific and Methodical Council and Commissions on development of HE standards.
- Promote *Virtual Innovative Space* incl. distance courses on innovations and entrepreneurship for Ukrainian students, researchers and IT professionals using Internet-sites of the Ministry, NEO, partner-universities, educational recourses.
- Present *Guidelines and recommendations for University–Business cooperation* for national public discussion at the Internet-site of the Ministry.
- Provide workshops on *Guidelines and recommendations for University–Business cooperation* with a focus on student innovation and entrepreneurship for HEIs on national level.
- Promote *Annual Student Competition on Innovation* via *Virtual Innovative Space*, Internet-sites of the Ministry, NEO, IT associations, Federation of employers of Ukraine.

## **12. AsP2PhD – Development of best practice model Doctoral Schools for structured PhD programme implementation in Ukraine and Georgia (2010-2013)**

Presenter – Mychailo WYNNYCKYJ, National University of «Kyiv-Mohyla Academy»

Ukrainian partners: NATIONAL UNIVERSITY OF «KYIV-MOHYLA ACADEMY»; UKRAINIAN CATHOLIC UNIVERSITY; PETRO MOHYLA BLACK SEA STATE UNIVERSITY; INSTITUTE OF BOTANY - NATIONAL ACADEMY OF SCIENCE OF UKRAINE; INSTITUTE OF LITERATURE - NATIONAL ACADEMY OF SCIENCES OF UKRAINE

### **Outcomes**

1. *Model Doctoral Schools* in Ukraine and Georgia, operating in accordance with Bologna principles
2. Nationally and internationally recognized five *PhD programmes* in each Doctoral School
3. *Code of Practice and Accreditation Guide for Doctoral School*.
4. Introduced skills, methods, and thematic curricula and doctoral-level teaching methods
5. *Learning Management System* for Doctoral School

### **Recommendation**

- Provide workshops on *Model Doctoral School* for HEIs and Research Institutes offering PhD studies with purpose of modernization of Aspirantura in line with Bologna process and new Law On Higher Education of Ukraine (in cooperation with the Ministry, NEO and HERE team.).

## **13. ALIGN – Achieving and checking the alignment between academic programmes and qualification frameworks (2013-2016)**

Presenter – Kostyantyn KYRYCHENKO, Sumy State University

Ukrainian partners: SUMY STATE UNIVERSITY; KHMELNYTSKIY NATIONAL UNIVERSITY; TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV; UKRAINIAN ASSOCIATION OF STUDENT SELF-GOVERNMENT

### **Outcomes**

1. *Mechanisms* for HEIs to achieve alignment of academic programmes with NQFs and for QA agencies to check such alignment.



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2. Better understanding of HEIs and EQAs of the role of NQFs and SQFs, their structure as well as the differences between the different kinds and levels of student achievement
3. Capacity of HEIs to *write and assess learning outcomes* that define the various types of student achievement and promote *student-centered teaching and learning*
4. Capacity of the HEIs to use the QF alignment to facilitate student transfer, joint qualifications and benchmarking
5. Capacity building of HEIs and EQA Agencies to ensure achievement and checking alignment with NQFs
6. Mechanisms for ensuring consistency of judgments on learning outcomes and their assessment mechanisms across institutions
7. Revision of 2 study programmes at each HEI
8. Adoption of the *alignment tools* at HEIs, QAA agency and governmental levels

### Recommendation

- Provide workshops on development and implementation of *academic programmes* using *learning outcomes, student-centered teaching and learning* in line with NQFs and QA in cooperation with NEO and MESU.
- Present the *alignment tools* (HEIs *capacity* to use the QF alignment to facilitate *student transfer, joint qualifications* and *benchmarking* as well as *mechanisms* for ensuring consistency of judgments on *learning outcomes* and their *assessment*) for the Ministry, Scientific and Methodical Council and Commissions, National QA Agency, HEIs.
- Provide cooperation with Tempus projects **QANTUS** – Qualifications Frameworks for Environmental Science at Ukrainian Universities and **INARM** – Informatics and Management: Bologna-Style Qualifications Frameworks.

## 14. INURE – Integrated University Management System: EU Experience on NIS Countries' Ground (2012-2015)

Presenter – Volodymyr LYUBCHAK, Sumy State University

Ukrainian partners: SUMY STATE UNIVERSITY, IVAN FRANKO NATIONAL UNIVERSITY OF LVIV, KHMELNYTSKIY NATIONAL UNIVERSITY, NATIONAL MINING UNIVERSITY, INSTITUTE OF TELECOMMUNICATIONS AND GLOBAL INFORMATION SPACE – National Academy of Sciences of Ukraine

### Outcomes

1. *Complex integrated information management system* at the universities of Ukraine, Belarus, Moldova and Georgia.
2. *Guidance* on the principles and practices of construction and effective use of integrated information management system.
3. *New software for university management* on the base of information flows' analysis and existing University Information Management systems in Partner universities.
4. *Network of equipped Innovation and Education IT Centers* of modern *information management technologies*
5. *Trained university administrators* to use infrastructure of complex integrated information management system

### Recommendation

- Prepare and present proposal on *development and national implementation* of *higher education e-governance* for the Ministry of Education and Sciences, HEIs, other stakeholders (*incl. portal for university management system*).



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- Present and disseminate *Guidance* on the principles and practices of construction and effective use of *University Integrated Information Management System* at the universities via Internet-sites of the Ministry, NEO, and HEIs-partners.
- Provide HEIs with consultations, advising and training on new *software for university management* on the base of information flows' analysis and existing *University Information Management systems* using capacity of the *Network of Innovation and Education IT Centers* and involving *trained university administrators*.

### 15. SpinOff – Support of innovations through improvement of regulatory framework for higher education in Ukraine (2012-2015)

Presenter – Volodymyr SHATOKHA, National Metallurgical Academy of Ukraine

Ukrainian partners: NATIONAL METALLURGICAL ACADEMY OF UKRAINE, IVANO-FRANKIVSK NATIONAL TECHNICAL UNIVERSITY OF OIL AND GAS, NATIONAL UNIVERSITY «ODESSA LAW ACADEMY», DONETSK NATIONAL UNIVERSITY OF ECONOMY AND TRADE NAMED AFTER M.TUGAN-BARANOVSKY

#### Outcomes

1. Analysis of EU best *practices in commercialisation* of innovations by universities.
2. *Methodology approach* towards education of graduates able to facilitate interaction of academia and innovations-intensive business.
3. *Recommendations* on the improvement of legislative basis for commercialisation of innovations in UA.
4. *Model* of internal regulatory framework and explanatory policy documents as a roadmap for commercialisation of innovations for universities.
5. *Mechanisms* and a framework for commercialisation of innovations by universities in collaboration with other stakeholders (Engineering, Economics, Law).
6. *Concept* for commercialisation of innovations in the system of higher education in UA.
7. *Teaching methodology* updated towards acquiring skills in delivery of innovations to market.
8. *Help-desks* for knowledge transfer in universities at five regions of UA

#### Recommendation

- Present *Concept for commercialisation of innovations* and *Recommendations on the improvement of legislation for commercialisation of innovations* via Internet-sites of the Ministry, NEO for national public discussion.
- Improve *Concept* and *Recommendations* in cooperation with the Ministry and HEREs, submit it to the Parliament' Committee.
- Disseminate *Roadmap for commercialisation of innovations* for universities (*incl. internal regulatory framework, explanatory policy documents, mechanisms* for commercialisation of innovations (subject areas – Engineering, Economics, Law) via Internet-sites of the Ministry, NEO, and Universities-partners,
- Hold workshops and other events on *internal regulatory framework, explanatory policy documents, mechanisms* for commercialisation of innovations involving established *Help-desks for knowledge transfer* in Odessa, Ivano-Frankivsk, Dnipropetrovsk.

### 16. INARM – Informatics and Management: Bologna-Style Qualifications Frameworks (2012-2015)

Presenter – Svitlana GRYGORUK, Khmelnytskyi National University



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Ukrainian partners: TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV, IVAN FRANKO NATIONAL UNIVERSITY OF LVIV, KHMELNYTSKIY NATIONAL UNIVERSITY, NATIONAL MINING UNIVERSITY, SUMY STATE UNIVERSITY, THE INSTITUTE OF TELECOMMUNICATIONS AND GLOBAL INFORMATION – National Academy of Sciences of Ukraine.

### Outcomes

1. *Sectorial qualifications frameworks* for Informatics and Management in line with NQF.
2. Established *platform for stakeholder active collaboration* for identifying qualification requirements for Bachelor and Master students in the fields of Informatics and Management.
3. New *learning outcomes* for Informatics and Management (BA and MA levels).
4. Established *units* managing sectorial qualifications frameworks in Informatics and Management.
5. *Standards* for Bachelor and Master students in the fields of Informatics and Management.

### Recommendation

- Present *Sectorial Qualifications Frameworks, Standards* and new *Learning Outcomes* (Informatics and Management subject areas, BA and MA levels) for the Ministry's Scientific and Methodical Sub-Committees for Management and for Computer Sciences that should develop appropriate higher education standards.
- Conduct workshops on *Sectorial Qualifications Frameworks development* involving established Units of Sectorial Qualifications Frameworks management.
- Take part in organization and conduct NEO and HEREs' seminars on SQF and HE standards issues.
- Provide *cooperation* with Tempus projects **QANTUS** – Qualifications Frameworks for Environmental Science at Ukrainian Universities and **ALIGN** – Achieving and checking the alignment between academic programmes and qualification frameworks.

## 17. **TRUST – Towards Trust in Quality Assurance Systems (2011-2014)**

Presenter – Maria GOLOVYIANKO, Kharkiv National University of Radioelectronics

Ukrainian partners: KHARKIV NATIONAL UNIVERSITY OF RADIOELECTRONICS, YURIY FEDKOYCH CHERNIVTSI NATIONAL UNIVERSITY, NATIONAL ACADEMY OF MANAGING PERSONNEL OF CULTURE AND ART, UKRAINIAN CATHOLIC UNIVERSITY, INSTITUTE OF HIGHER EDUCATION – National Academy of Educational Sciences of Ukraine, UKRAINIAN ASSOCIATION OF STUDENT SELF-GOVERNMENT, STATE ACCREDITATION COMMISSION OF UKRAINE, INSTITUTE OF EDUCATION CONTENT MODERNISATION – MESU

### Outcomes

1. *National Portal* as unified transparent framework for the quality assurance of the Ukrainian higher education system which is in line with the common European academic culture.
2. The developed framework will build trust between all QA players and society by ensuring that all quality assurance procedures will be based on credible, transparent and relevant sources of information.
3. The core system will be extended with mechanisms supporting *development of flexible multidimensional and multicontextual quality indicators*. This will enable each HEI or national QA organization to develop own appropriate QA strategies, HEI evaluations, rankings, etc.
4. National regulations and laws will be formulated to implement the procedures/ processes/ solutions developed within the project which is officially confirmed by Parliament Committee on Science and Education of Ukraine

### Recommendation



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- Disseminate information about *National Portal (incl. mechanisms supporting development of flexible multidimensional and multicontextual quality indicators)* as unified transparent framework for the quality assurance of the Ukrainian higher education system.
- Present possibilities of the *Portal* as a part of internal and external QA systems for HEIs and National QAA to develop own appropriate QA strategies, HEI evaluations, rankings, etc.
- Take part in organization and conduct NEO and HEREs' seminars on QA issues.

### 18. UNIQTOOL – Implementing tools and policies for quality work at institutional level (2010-2013)

Presenter – Maria PERESTYUK, National Technical University of Ukraine «Kyiv Polytechnic Institute»

Ukrainian partners: NATIONAL TECHNICAL UNIVERSITY OF UKRAINE «KYIV POLYTECHNIC INSTITUTE», NATIONAL AEROSPACE UNIVERSITY «KHARKIV AVIATION INSTITUTE»

#### Outcomes

1. Introduction of modern *policies documents, tools and procedures for quality assurance* on the level of HEI which are compliant with ENQA documents.
2. *Recommendation* on involvement of students in QA process.

#### Recommendation

- Disseminate modern *policies documents, tools and procedures for quality assurance* on institutional level via Internet-sites of the Ministry, NEO and Universities-partners.
- Conduct workshops on *involvement of students in QA process* in line with ENQA documents in cooperation with NEO and HERE team, Ukrainian student self-governance association.
- Present *mechanism, tools and procedures* of Internal QA system for work group on preparation of standards development Guidance, HEIs.

### 19. EICL – E-internationalization for collaborative learning (2010-2013)

Presenter – Iryna PORUNKOVA, National Technical University «Kharkiv Polytechnic Institute»

Ukrainian partners: NATIONAL TECHNICAL UNIVERSITY «KHARKIV POLYTECHNIC INSTITUTE», IVANO-FRANKIVSK NATIONAL TECHNICAL UNIVERSITY OF OIL AND GAS, KHARKIV UNIVERSITY OF HUMANITIES «PEOPLE'S UKRAINIAN ACADEMY»

#### Outcomes

1. *Public policy in the field of internationalization (Concept of virtual internationalization)* as a good platform for a new qualitative leap and correspondence to the European strategy of Internationalization and Charter on Lifelong Learning for enhancement of students and teachers' mobility.
2. *Open virtual platform "E-Learning Int. Clearing house"*, incl. electronic store of training e-courses.

#### Recommendation

- Present *Public policy in HE Internationalization (incl. Concept of Virtual Internationalization and students and teachers' mobility)* for the Ministry and via Internet-sites of the Ministry and NEO for public discussion.
- Disseminate information about *Open virtual platform «E-Learning Int. Clearing House» (incl. electronic store of training e-courses)* via Internet-sites of the Ministry, NEO and HEIs-partners.
- Conduct workshops on *HE Internationalization* in cooperation with the Ministry, NEO and HERE team.
- Provide cooperation with Tempus projects **UNIVIA** – Development and improvement of the University Administration on International Affairs, **PICASA** – Promoting Internationalization of HEIs in Eastern Neighborhood Countries through Cultural and Structural Adaptations.



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### 20.HESDeSPI – Higher Education System Development for Social Partnership Improvement and Humanity Sciences Competitiveness (2010-2013)

Presenter – Valentyna PANCHENKO, Taras Shevchenko National University of Kyiv

Ukrainian partners: TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV, VOLODYMYR DAHL EAST-UKRAINIAN NATIONAL UNIVERSITY

#### **Outcomes**

1. Joint, accessible and successful system of *methodological recommendations* that will increase the competitiveness of Humanity Sciences and involve social partners into it.
2. *Professional Standard of Culture Manager* (Humanity Sciences field) in line with EQF LLL.
3. Upgraded *Culture Management programme* (ECTS).

#### **Recommendation**

- Present *Professional Standard of Culture Manager* (Humanity Sciences) for the Ministry, Scientific and Methodic Council, Scientific and Methodic Commissions, HEREs, expert group for preparation of Guidelines for Higher Education Standards development and public discussion.

\*All recommendation were communicated to project teams representatives during the event, placed on NEO Ukraine web-site and were sent to the EACEA.

Looking forward to the Universities pro-activeness, openness and cooperation in order to disseminate wider results and to ensure impact at different levels: individual, institutional, national and as a key requirement for Structural projects – at the higher education system.

