

ACTION PLAN

«Higher education for environmentally sustainable industrial development»
of Interfaculty Sustainable Development Center (ISDC)
«Kryvyi Rih National University»
2015-2017 academic years

№	Activities	Executors	Deadline
1.	<i>Methodological activity</i>		
1.1	Development of the structure, content and TMC of new courses on environmentally sustainable industrial development for masters training programs	Project team	January 2015
1.2	Revision and update of existing training programs, including modules aimed at studying the concept of environmentally sustainable industrial development in existing disciplines	Project team, lecturers interested	February - August 2015
1.3	Development of the structure, content and new course TMC with environmentally sustainable industrial development for post-graduate students programs training	Project team	February 2015
1.4	Development of the structure, content and new course TMC with environmentally sustainable industrial development for LLL students	Project team	December 2015
1.5	Monitoring the quality of student learning (incoming, current and final control), review courses on the analysis of feedback	ISDC	annually, June - August
1.6	Writing chapters of textbook on environmentally sustainable industrial development	Project team	December 2015
1.7	Development of methodical recommendation on reforming LLL system in Ukraine	Project team	January 2016
2	<i>Training activity</i>		
2.1	Teaching discipline «Environmentally Sustainable mining industry» for master students, speciality 8.05030101 «Underground mining»	Olena Kalinichenko	during the spring semester of 2015- 2016
2.2	Training teaching staff to participate in the work of ISDC	Project team	June 2015
2.3	Teaching discipline «Ergonomic principles of IT for sustainable industrial development» for master students, speciality 8.05010201 «Computer systems and networks» taking into account updated modules	Ivan Muzyka	in the fall semester of 2015-2017

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2.4	Teaching discipline «Sustainable information development management» for master students, speciality 8.05020101 «Computerized systems of control and automation», 8.18010013 «Project management» taking into account updated modules	Sergii Ruban, Natalia Morkun, Vitalii Tron	during the spring semester of 2015-2016
2.5	Involving students from different engineering disciplines to interdisciplinary teams for projects in the field of environmentally sustainable industrial development to provide high quality theoretical and practical training and research. Some grounds for testing projects – Greencubator TeslaCamp, EnergyCamp, Hach4Energy, Hackathon Automation (PJSC ArcelorMittal Kryvyi Rih), GoGreenInTheCity (Schneider Electric), Xplore New Automation Award (Phoenix Contact) etc.	ISDC	constantly
2.6	Teaching courses for LLL students	Project team	in the fall semester of 2016-2017
3	<i>Research activities</i>		
3.1	The involvement of teaching staff of the university and students to participate in interdisciplinary projects in the field of environmentally sustainable industrial development	ISDC	constantly
3.2	Communication with the city authorities, industry and other social partners in the context of research for sustainable development	ISDC	constantly
3.3	Participation in the organization and conduct of the International Scientific Conference «Sustainable development of industry and society»	ISDC	annually in May
3.4	The involvement of teaching staff of the University and students to develop projects on energy saving solutions for improving conditions of university campus	ISDC	constantly
3.5	Publication of papers according to the results of research groups on projects in the field of environmentally sustainable industrial development	academic staff of university	constantly
3.6	Providing consulting services to enterprises and organizations of the city	ISDC	constantly
4	<i>Organising activities</i>		
4.1	Project coordination of interdisciplinary teams of students/postgraduate students while working on projects in environmentally sustainable industrial development	ISDC	constantly

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4.2	Assistance in the presentation of projects in the field of sustainable development at exhibitions, competitions of scientific and technological projects and developments		constantly
4.3	Assistance in organizing international training of students and teachers on environmentally sustainable industrial development, assistance in promoting relevant projects for the program Horizon 2020, Erasmus +	International Office, ISDC	constantly
4.4	Establishing of Joint Curriculum Board Board structure - representatives of the academic community, industry, local authorities, students and other interested organizations. Objectives: - Analyzing labor market needs; - Development of training materials and courses in accordance with the requirements of the industry; - Increase employment by implementing LLL for professionals; - Round table discussions.	ISDC	First Round table – November 2015, then - biannually
4.5	Development of evaluation criteria to rank the "environmentally sustainable development" of structural divisions and research groups/teams for the participation in projects and activities of ISDC	ISDC	June 2016
4.6	Collaboration with other departments of the university	ISDC	constantly
5	<i>Educational activities</i>		
5.1	Workshop for university staff on “Basic concepts of sustainable development”. The main activities of Interfaculty Centre for Sustainable Development	ISDC	November 2015
5.2	Round table with representatives of Institute of the Krivoy Rog city development, discussing areas of cooperation of municipal governments and Sustainable Development Center, development of joint action programs	ISDC	April 2016
5.3	Meeting with representatives of mining and steel making companies of the region – PJSC «ArcelorMittal Kryvyi Rih», PJSC «Southern MDC», PJSC «Inguletskyi MDC». Presentation of the main ISDC activities, involving experts from production.	ISDC	February 2016

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5.4	The organization of the annual “Day of Sustainable Development” (as part of the International Scientific Conference “Sustainable Development of industry and society”)	ISDC	annually in May
6	<i>Promotion</i>		
6.1	Development of ecologically sustainable development section at the University	ISDC, Information and analytical center of KNU	June 2016
6.2	Activities of “green university” image formation		constantly
6.3	Rating “ecologically sustainable development” structural divisions and research groups/teams for the participation in ISDC projects and activities	ISDC	September 2016
6.4	Presentation of the main achievements of ISDC	ISDC	annually in October
6.5	Promotion of the Center activity and HETES results in regional mass media, at university, in social networks	ISDC	constantly