



Tempus



CONCEPT
of the Interfaculty Center for Sustainable Development
at the National Metallurgical Academy of Ukraine

Interfaculty Center for Sustainable Development is created in the frames of the EU funded Joint European Tempus project “Higher engineering training for environmentally sustainable industrial development” 543966-TEMPUS-1-2013-1-BE-TEMPUS-JPCR as a part of the NMetAU strategy to enhance our leadership in the sustainability education and research towards the societal challenges.

Objectives:

- To deliver interdisciplinary research in the areas of energy- and resource saving technologies, recycling and recovery, protection of environment, eco-innovations and sustainable development.
- To facilitate adaptation of degree programs to modern scientific and technological challenges, the needs of the labor market and society.

Tasks

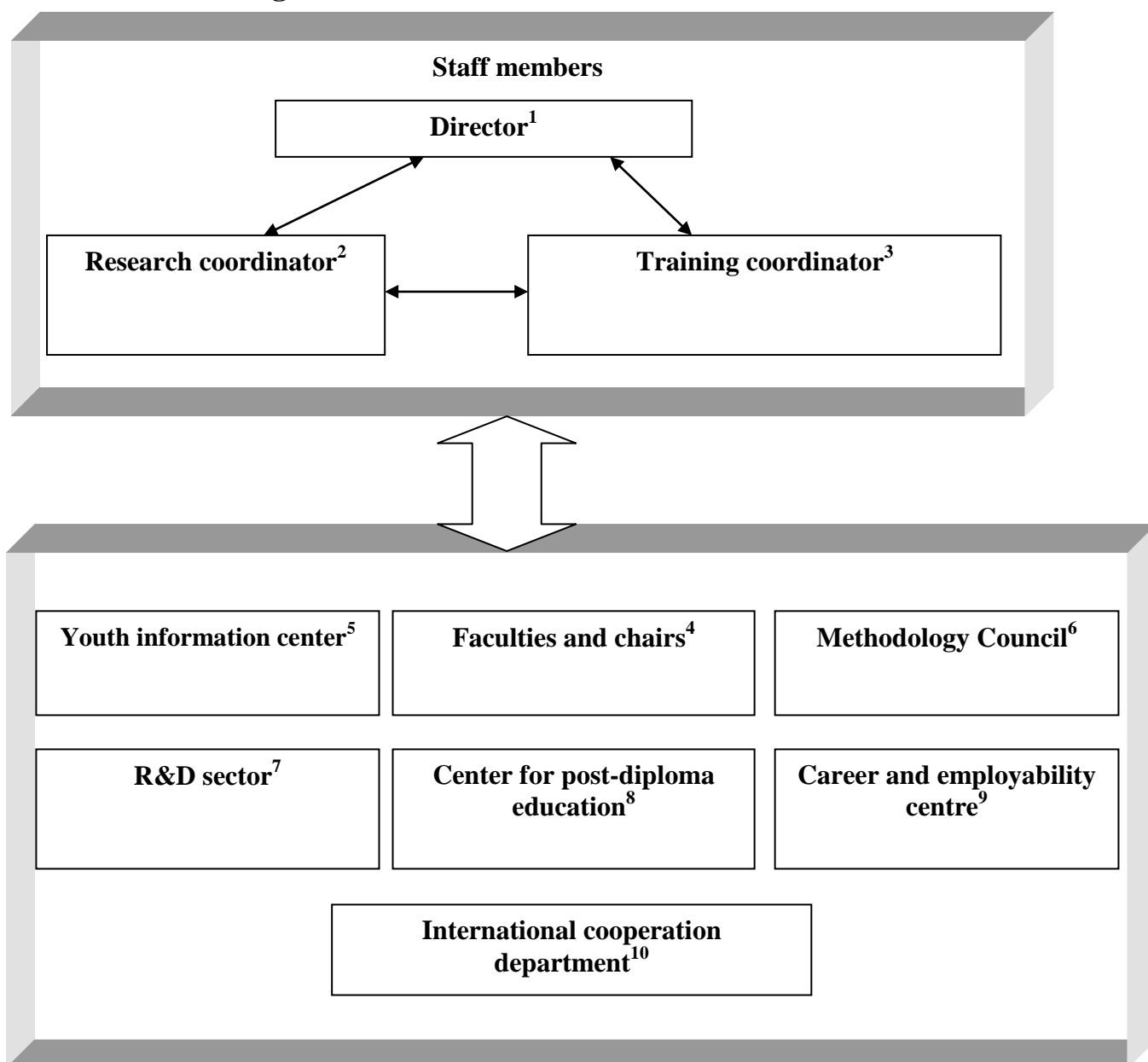
1. In the field of research

- To engage and coordinate interdisciplinary teams of researchers and students from various chairs and faculties
- To promote participation in European research (Horizon 2020) and educational (Erasmus +) framework programs for the purpose of integration into European higher education and research area.
- To facilitate international collaboration for the sustainability issues.
- To bring together various stakeholders in order to deliver the sustainable development strategy for Ukrainian metallurgical industry.
- To coordinate collaboration with enterprises from mining, metallurgical and manufacturing industries of Ukraine.

2. In the field of education

- To analyze and update the curricula for undergraduate, graduate, postgraduate and lifelong learning audiences in line with cutting edge research in the field of sustainability and environment.
- To collaborate with industries in order to adjust the degree programs towards the qualifications demanded by the labor market.
- To develop awareness of the sustainable development and industrial transformation concepts among the stakeholders responsible for research and industrial policies.
- To assist harmonization the educational programs in the National Metallurgical Academy of Ukraine with advanced European practices.
- To develop the platforms for distance learning in the field of sustainability.

The organizational and staff structure of the Centre



Description of responsibilities

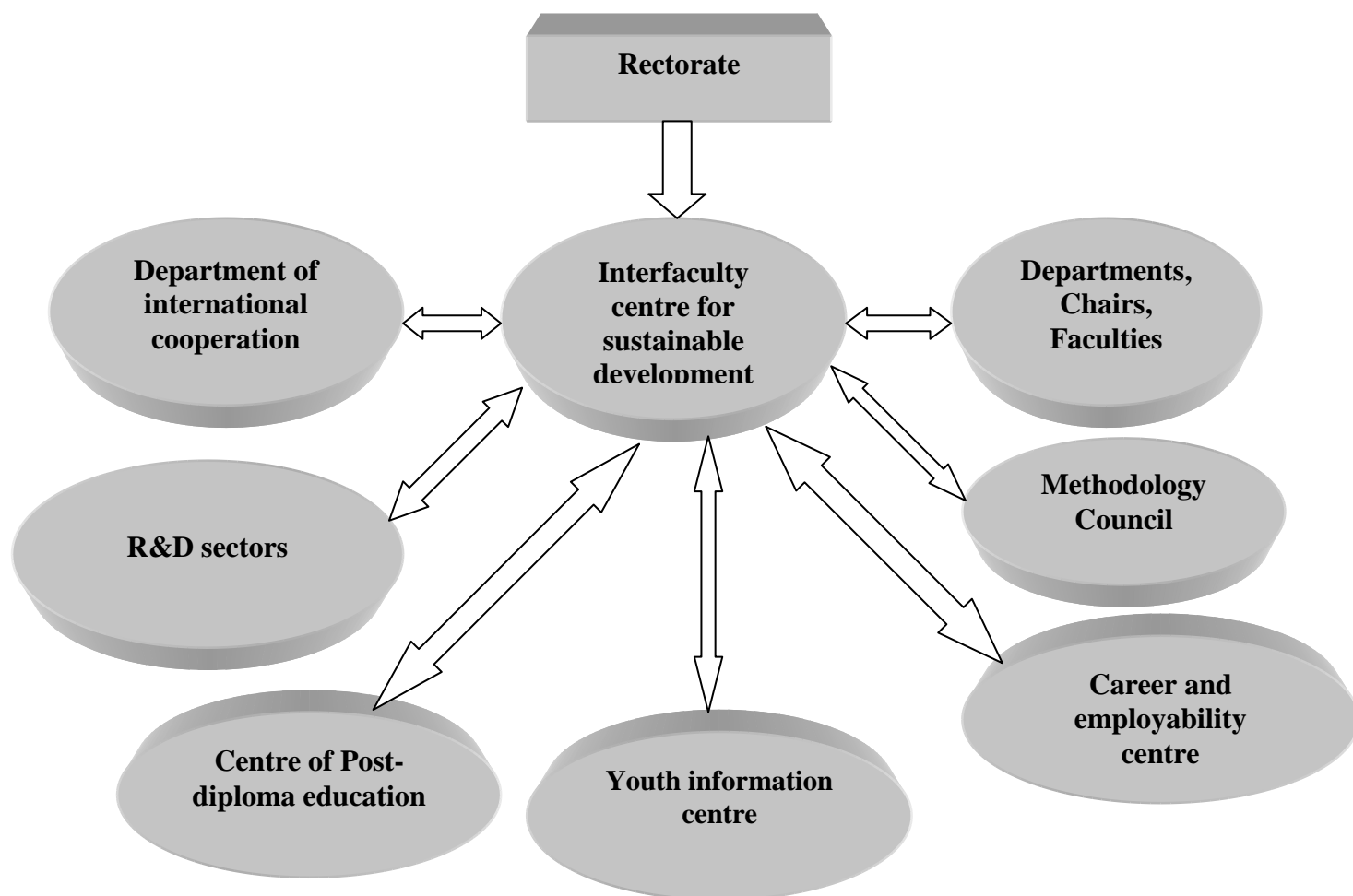
1. *Director*. Reports to the rectorate and provides the centre's leadership in NMAU activities. Interacts with other departments of NMetAU and external partners.
2. *Research coordinator*. Reports to the director of the center. Responsible to engage and coordinate teams of researchers and students from various chairs and faculties for delivery of interdisciplinary research. Explores opportunities of funding through R&D projects with industry and relevant international frameworks.
3. *Training coordinator*. Reports to the director of the center. Responsible to constantly update the curricula for undergraduate, graduate, postgraduate and lifelong learning audiences in line with cutting edge research in the field of

sustainability and environment. Also is responsible for the content and functioning of the platform for the distance learning.

4. *Contact points at the faculties and chairs shall be established to facilitate transversal collaboration moderated by centre's coordinators in the fields of education and research.*
5. *Youth information center* provides communication and involvement young researchers and students to the **Centre's** activities. The *Youth information center* was established within the Tempus Ceres project – “Centers of Excellence for young Researchers”. Reg.no.544137 – Tempus-1-2013-1-SK-Tempus-JPHES.
6. *Coordinator from the Methodology Council* provides interaction and advice on the educational matters, assisting the analysis of study programs for various audiences, notably in the context of the European project EUCLIM - "European Union Leadership in Climate Change Mitigation" 564689-EPP-1-2015-1-UAEPJMO-MODULE. Provides coaching of young teachers on the sustainability issues.
7. *Coordinator from the R&D sector* ensures involvement of the researchers to Centre's activities, communicate with Centre in establishing the research priorities, assists engagement with industrial partners, supports administration of R&D projects derived from the Centre's activities.
8. *Coordinator from the Center of Post-diploma education* provides interaction on the matters of post-diploma and distance education in relationship to the concept of sustainable development. Engages with industrial partners for upgrading the staff.
9. *Coordinator from the Career and Employability Center.* Provides coordination with the on the matters related to interaction with industries to adapt the training programs towards the skills gaps and industrial needs. The **Center** was established within the project TEMPUS/Tacis UM_JEP-27010_2006 “Career & Employability Centre New service for graduates”.
10. *Coordinator from the department of International cooperation* provides coordination on the matters of participation in international projects under various frameworks as well as on the collaboration with international partners for the sustainability research and education.

The subordination of the Center and the interaction with other structures at NMetAU

The Interfaculty Center for Sustainable Development is subordinated to the rectorate and actively communicate with other structural units as it is shown in the diagram below



Methods of interaction and communication

- ❖ Coordination meetings
- ❖ Creation the web-page of the Center.
- ❖ Organization of seminars and conferences
- ❖ NMetAU intranet.
- ❖ Social networks.
- ❖ Newsletters (digests)
- ❖ Proactive communication - E-mail / Personal communication.