

Achievement Certificate

"Erasmus+ KA220-HED - Cooperation Partnerships in higher education",
project: Transformational Learning Network for Resilience - Enabling
Ukrainian higher education to ensure a sustainable and robust
reconstruction of (post-war) Ukraine (TransLearnN)/ NA DAAD 2023-1-
DE01-KA220-HED-000157119.

CERTIFICATE ? 1760300593DB

THIS IS TO ACKNOWLEDGE THAT

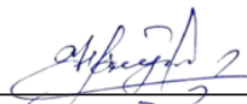
Diana Butenko

Course

Sustainable pathways and risk management in times of crises

successfully completed the interdisciplinary course
(60 hours / 2 ECTS credits) and confirmed the developed soft
skills competences during the final test.

**Date 28. April 2025
and place of signing**



Natalia Vnukova

coordinator course, D. Th. Sn, prof., Head of department of
Ecology (Kharkiv national automobile and highway
university(Ukraine)



Angela Dichte

TransLearnN Project coordinator
Eberswalde University for Sustainable Development
(Germany)

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Annex to the CERTIFICATE

Topic/developing university	Amount of time		
	Total	in particular	
		classroom/off-line classes	Individual work
Introduction. Definition of the concept of "risks". Classification of risks. / Вступ. Визначення поняття "ризиків". Класифікація ризиків Risk management of sustainable development in conditions of uncertainty / Управління ризиками сталого розвитку в умовах невизначеності /Ukrainian National Forestry University (Lviv, Ukraine)	6	2	4
Environmental risk management / Управління екологічними ризиками/ Zhytomyr Polytechnic State University (Zhytomyr, Ukraine)	6	2	4
Environmental risks from technogenic activities / Екологічні ризики від техногенної діяльності / Odesa Mechnikov National University (Odesa State Environmental University (Odesa, Ukraine)	6	2	4
Energy parameters of risks / Енергетичні параметри ризиків/StateHigher Education Institution «Pryazovskyi State Technical University» (Mariupol, Ukraine)	6	2	4

Topic/developing university	Amount of time		
	Total	in particular	
		classroom/off-line classes	Individual work
Application of a risk-based approach to build models of emergencies and their development /Застосування ризик-орієнтованого підходу для побудови моделей виникнення та розвитку надзвичайних ситуацій /National Transport University (Kyiv, Ukraine)	6	2	4
Climate change adaptation in crisis situations / Адаптація до зміни клімату в умовах кризових ситуацій /Kharkiv National Automobile and Highway University (Kharkiv, Ukraine)	6	2	4
Restoration and development of Ukraine's human potential in the context of the crisis / Відновлення та розвиток людського потенціалу України в умовах кризи./ Admiral Makarov National University of Shipbuilding (Mykolaiv, Ukraine)	6	2	4
guest lecturer 1	2	2	-
guest lecturer 2	2	2	-
guest lecturer 3	2	2	-