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## **Report of Protect Your Nature, Protect Your Future Learning Teaching Training Activity in Berlin / Germany**

The worldwide educational event "Protect Your Nature, Protect Your Future" was held at ARSU Academy Lifelong Learning and Development Germany e.V. during October 7–11, 2024, at Muthesiusstr. 28, 12163 Berlin, Germany. 16 educators from four nations—Greece, Germany, Turkey, and Latvia—came together for this event to undertake a thorough investigation of climate change and its effects with four participants from each nation.

**Program Overview:** A number of in-depth workshop sessions addressing a wide variety of global climate change-related subjects were included in the program.

- Overview of Global Climate Change: To set the tone for the talks that followed, participants were given an introduction to the main ideas, causes, and changes that have been seen and predicted.

### **- In-depth Exam of the Causes and Consequences:**

An analysis of the factors contributing to the rise in global temperatures, such as the usage of fossil fuels, industrialization, changes in land use, and deforestation.

- A discussion of how greenhouse gas concentrations build up and how they affect the ozone layer and Earth's energy balance.

- Analysis of the damaging effects of ambient radiation on human and ecological systems.

- Interactive Q&A sessions and group discussions: - These activities improved the atmosphere of cooperative learning.

- Contemplation of ethical concerns in climate action and digital responsibility.

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Scientific and Socioeconomic Aspects:

- Examining how the hydrological cycle has changed, with a focus on melting glaciers and sea ice, as well as talking about how heat waves are becoming more intense and frequent.
- Analysis of extreme weather events, including intense droughts, floods, and precipitation.
- A discussion of how climate change affects ecosystems, socioeconomic sectors, regional and global climates, human existence, and the physical and mental health of society.

**Educational Visits:** Through a variety of educational visits that emphasized Berlin's cultural, social, and ecological dynamics, participants were able to deepen their understanding.

**The German Federal Parliament:** A deeper comprehension of legislative frameworks was attained through insights into European and German environmental policy.

- **Panoramic perspective from the Reichstag Dome:** This perspective highlighted Berlin's urban planning and ecological balance while offering a thorough overview of the city.
- **Futurium and the Berlin Technical Museum:** Future technology and innovation exhibitions emphasized the possible environmental consequences of these developments.
- **East Side Gallery and Checkpoint Charlie:** Gave Berlin's environmental initiatives a historical backdrop.

**Visit to the Botanical Garden and Botanical School of the Free University of Berlin:** This visit emphasized biodiversity and flora conservation efforts and gave insights into Germany's Eco-Schools initiative, which encourages student stewardship and ecological awareness.

**Certificates and Acknowledgements:**

The programme concluded with a certificate ceremony where participants were presented with Participant Certificates and Europass documents recognising their contributions and learning achievements.

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**Result:** In order to tackle upcoming environmental difficulties, this extensive program promoted worldwide collaboration and deepened awareness of environmental concerns. By the time they departed, they had gained new insights and a shared resolve to use sustainable principles in learning environments.

**Educators who took part made the following significant contributions:**

- Teachers developed a thorough awareness of the fundamental ideas, causes, and anticipated as well as actual effects of global climate change. With this insight, instructional materials may be updated and students can be reached more successfully with these concerns.
- Guidance on incorporating environmental management and sustainability practices into educational programs was given at the Environmental Responsibility and Sustainability Practices event. Teachers may be inspired to start comparable projects in their own classrooms by programs like Eco-Schools.
- Teachers from four different nations came together through international collaboration and networking, which made it easier for them to share ideas and collaborate on collaborative projects. Teachers' engagement in international initiatives can be increased and their personal teaching methods can be enhanced by such networks.
- Numerous educational excursions and Berlin's Applied Learning strengthened theoretical understanding by offering real-world knowledge on historical places, urban planning, and environmental regulations. These encounters enabled educators to include practical examples and interactive exercises into their teaching methods.
- Professional Development and Innovative Teaching Techniques: Teachers were able to modernize and expand their instructional strategies through workshops and group discussions. In addition,

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talks about digital ethics and accountability in relation to global warming brought to light how crucial it is to include ethical issues in education.

In addition to enhancing teachers' knowledge and abilities, this extensive program promoted a deeper understanding of environmental issues, international cooperation to address future environmental challenges, and teachers' commitment to implementing sustainable practices in educational contexts.

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