

The EU-report on science education for responsible citizenship and the Paris declaration on aid effectiveness recommend teaching all students for our better future. In Georgia, the Philippines, and Bosnia and Herzegovina, a large number of young people do not meet basic requirements in science. All three countries scored very low in international assessments of science performance. One great challenge for science education in these countries is the plurality of languages and cultures. While the education system in Georgia, and Bosnia and Herzegovina, underwent major changes after the fall of the Soviet Union and the subsequent conflicts in power relations, colonialism has left its imprint on the Philippine educational system. In all three countries, science education takes place amidst political and ethnic differences that translate into linguistic heterogeneity and cultural diversity.

GOAL OF THE PROJECT




The project aims to Improve the level of competencies in Higher Education Institutions (HEIs) of the partner countries through the professionalization and development of university science teacher educators. They are made aware of the diversity in science classes by focusing on the use of language and the culture of the students.

Teacher educators, in turn, will share their knowledge and skills with in-service and pre-service science teachers, and thereby contribute to a more inclusive and higher quality science teaching.

PNU AS A PARTNER UNIVERSITY OF ESTA

As the National Center for Teacher Education (NCTE), PNU supports ESTA in initiating a country program in teacher education curriculum to achieve teacher quality especially in the field of sciences. Thus, ESTA-PNU provides training on the science program curriculum for pre-service and in-service Filipino teachers in all Normal Schools and government-owned Teacher Education Institutions (TEIs). ESTA also provides significant contribution to Philippine IP (Indigenous Peoples) Education through model IP frameworks and curricula for IP teachers in support of the IP basic education in the elementary and secondary levels.

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Enriching lives, opening minds.

**EDUCATING SCIENCE
TEACHERS FOR ALL
(ESTA)**



FRAMEWORK

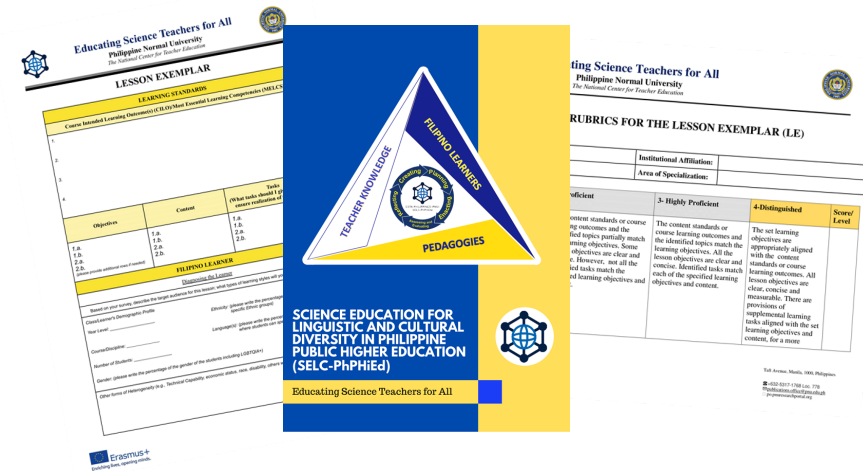


Science Education for Linguistic and Cultural Diversity in Philippine Public Higher Education (SELC-PhPHiEd) Framework

WORKSHOPS

- **Training-workshop in Inclusive Science Education For Linguistic and Cultural Diversity (for PNU science educators)** (January 27-28, 2022 and February 3-4, 2022)
- **National Training Workshop in Inclusive Science Education for Linguistic and Cultural Diversity (for Basic Education Science Teachers)** (July 19-27, 2022)

ESTA PRODUCTS



- Science Education for Linguistic and Cultural Diversity in Philippine Public Higher Education (SELC-PhPHiEd)
- Course syllabi for science education courses
- Lesson exemplar template, lesson exemplars, and evaluation rubrics for lesson exemplars
- Workshop materials, outputs, and resources

ESTA OER

The Open Educational Resource (OER) is intended for all the products of the European Union funded research, Educating Science Teachers for All (ESTA). These resources are crafted by the core team, trained university Science teacher educators, and basic education Science Teachers. These resources are directed at sharing knowledge for quality science education in the Philippines.

