

**Abstract** for EEASA 2016 Conference 3-6<sup>th</sup> October Gauteng, South Africa. Environment and Sustainability Education and Training to meet the Post 2015 Sustainable Development Goals

**Title** - Education for Sustainable Development : a case study from Cameroon using the PACE pack as a framework and resource for ESD in Initial teacher training and CPD.

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**Key words** – Education for Sustainable Development, Environment Education, teacher training, Cameroon.

**Format** - Oral paper

**Sub-theme** - Increasing the capacity of educators and trainers and those who train for education and training interventions

**Educational sub-sector** – ITE and CPD

**Abstract** – Use of the PACE kit as a framework and resource for ESD Initial teacher training and CPD at the Université Evangélique de Cameroun is reported. Training needs assessment and design is outlined. The training programmes are described, methods and results of evaluation (following Kirkpatrick & Kirkpatrick) presented. Courses were evaluated at four levels: 1) response of trainees; 2) learning; 3) application of learning and 4) impact on the overall goal - that sustainable habits and lifestyles are adopted in target schools and communities. Training at all levels involved trainees designing and implementing individual practical projects and integrating these into their routine teaching. Self and peer evaluation were central to the training which supported the education authority's recent adoption of Cameroon government requirements to use competency and teaching quality frameworks and to link school learning with learners daily lives from a 'place based' as well as global sustainability perspective. Seventy percent of trainees reported using knowledge from the course often, and 60% using competencies often, 50% of the teaching staff and >50% of trainees reported that their home kitchen now uses improved cooking technology as a result of learning from the practicum. Students in the university

residence choose to use improved cook stoves on a daily basis. All of the graduates surveyed had organized school clean-ups, teaching students how to recycle the waste paper to make paper maché teaching aids and decorations. Evaluations included collecting feedback from trainees two years after graduation have informed a review and updating the ITE ESD course.

PACE is a set of multi-media environmental education resources. The authors found communities and projects across Africa that used ingenious and affordable ways to solve local environmental problems. They explained and shared these ideas in 80 short films, a beautifully illustrated book, and series of technical action sheets. Each element is arranged in chapters: water, soil, energy, forests, living with wildlife, living by the ocean and urban life. The book includes subject knowledge on each topic, poems, games, quizzes and water colour illustrations. An educator's guide explains the principles of environmental education, the approach and pedagogy and suggests content from each chapter suitable for teaching topics on secondary and primary school curricula. It is provided free of charge.