

ESTET Learning Block	Greenhouse gas (GHG)		
Service Learning Project Title	How to reduce GHG emissions?	SLP Code	Service Learning Project SLP1....
Type of resource	Service Learning Project (SLP)	Type of learning	Active learning/Learning by doing
Duration of Activity (in minutes)	60 min	Learning Outcome	- Learners will understand the local links to the global issue of climate change by calculating the greenhouse gas emissions from their city and local habitat. - Learners will understand how to collect and analyse greenhouse gas emissions data and report findings to relevant decision-makers. - Learners will develop interdisciplinary teamwork skills, learn how to handle incomplete data, and integrate classroom theory with real-world practice.
Aim of Service Learning Project?	The aim of this service learning project is to help VET students to better identify ways that we conduct various activities in our daily lives. This can give us a baseline as to what areas of our daily routines are we able to reduce our GHG emissions. The purpose of this is to help our local community to take a step forward in sustainable efforts and raise carbon footprint awareness.		
Introduction	Due to its high carbon intensity and continuing growth, tourism constitutes a growing part of the world's greenhouse gas emissions. Nevertheless, even at home people emit greenhouse gases, through everything from heating, electricity, water usage and commuting.		
Challenge	Your challenge is to help your communities to measure the energy they consume in their homes, buildings, transportation and waste sectors and to become more capable of implementing a sustainable and resilient infrastructure for future generations.		
Assignment	Learners need to focus on the four major sources of greenhouse gas emissions, for example: electricity consumption, burning fossil fuels for heating and cooling, commuter transportation, and air travel. Learners can use the following link to start their footprint calculation (scroll to find calculator): Welcome to Inquiry to Student Environmental Action Then, learners analyse findings and present information to the community.		

