Lesson Study on Cross Border Education in Relation to STEM and Energy Efficiency

Tentative Task: POTABLE WATER GENERATOR

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Sustainable drinking water

NEW APPROACH:
Linking the watershed regulator (country-side) with the drinking water regulator (urban)

GOVERNMENT
Public goods

REGULATOR

WATERSHED APPROACH

ECOSYSTEMIC APPROACH

MARKET
private goods

Water service

SUSTAINABLE DRINKING WATER TARIFF

Drinking water provision is a monopoly, so the regulator has become the interface among government bodies and the private sector, through PPP.
Sustainable drinking water

C. Torres
Potable water generator

Let's see a video about our tentative project

Project developed By Universidad de Ingeniería y Tecnología (UTEC)
On Lesson study

**Topic:** Energy Efficiency

**Duration:** 16 hours

**Grade level:** Senior high school (15-16 years old)

**Mathematical content:** Statistics, function, geometry, etc.
1. Encourage teachers to promote conscience about the potable water issue in different cities or provinces from Peru.

2. Communicate and exchange ideas with students from different countries, for instance Lima and Huancavelica.

3. Pose some mathematical problems using information about this issue.

4. Solve the most beautiful problems created by students.

5. Elaborate projects for helping poor people.