

Dear EWB-Fellows!

Lets do a hands-on project from which the world can benefit!

In the frame of the [Colombia Project](#), we build a low-tech seawater desalination plant.

People on San Andres Island suffer from a lack of drinking water. The water wells are saline and water is not safe to drink. Thus, people have to use the little money they have to buy water at supermarkets.

Our aim is to contribute to finding a solution to these problems: In cooperation with a local volunteer group from Bogota, we want to set up solar desalination modules to produce drinking water at low cost. The principle of the solar desalination modules is simple: seawater is distributed on a dark plate, which is heated by the sun. The water evaporates and condenses on a glass sheet above. The distilled water flows then through a stone granulate for mineralization in order to obtain healthy mineral drinking water. The system is easy to set up and can be used wherever is sun! In this sense, the technology is not only unique for the Colombia Project, but can also be used in other projects concerning drinking water!

What? We are offering a workshop in Luxemburg on how to build such a desalination module. You are all invited to take part in this **workshop** and construct a solar desalination system with us!

Where? The workshop will take place at the University of Luxemburg, campus **Kirchberg** in the Lab-Building.

When? Saturday, 31st of August from 10:00 to 18:00.

Catering Delicious food will be served during the break.

Social Lets have a city tour around Luxemburg and enjoy a drink in front of the Grand Duke's Palace after the workshop! Cheers!

Contacts

- 1) Registration:** If you want to sign up, please write to wolf@ewb-luxembourg.org
The deadline for signing up is Thursday, 22nd of August!
- 2) Travel / Accomodation:** for students from Belfort (France) and Kaiserslautern (Germany)
Please contact Marc: marc-alexandre.favier@mv.uni-kl.de
+33 6 51 40 99 17 or +49 160 106 21 21

Happy to hear from you soon, Best regards,
Your
EWB Desalination Team

Engineers Without Borders Luxemburg