



RENEWABLE FUTURE

LECTURE SERIES

WINTER SEMESTER 2017/2018

Date:	Thursday, November 9, 2017
Time:	6 pm s.t. – 8 pm
Location:	University of Bonn, Main Building, Lecture Hall IX

Island Energy Transitions

Lecturer: Mr. Emanuele Taibi (Program Officer)

International Renewable Energy Agency (IRENA), Innovation and Technology Center

Electricity generation in most Island States is dependent on imported refined petroleum products. This dependence, combined with long supply chains and limited purchasing power means that Small Island Developing States have some of the highest electricity generation costs in the world. In comparison, generation from photovoltaics (PV) and wind can be much less expensive, making a strong economic case for a transition from fossil fuels to renewables.

Numerous islands have shown that this transition is technically feasible, with high shares of renewable energy successfully integrated on numerous islands across the world. Kodiak island in the U.S. State of Alaska has met over 99% of its annual electricity demand with renewables since 2014, by using hydro and wind power combined with battery and flywheel electricity storage. King island in Tasmania, Australia has a power system designed to deliver 65% of annual generation using PV and wind generation coupled with storage. In addition, numerous small islands around the world have used solar PV coupled with battery storage to support high shares of renewable electricity.

This lecture will illustrate the economic and technical case for Islands moving to renewable based energy systems and detail how IRENA engages with Island governments around the world to support their energy transitions.

Registration

The attendance of the lectures is only possible after registration. A **binding registration** for each individual lecture can be made either

- via email to mfischer@uni-bonn.de or
- via online form on <https://www.nachhaltige-entwicklung.uni-bonn.de/vorlesungsreihen>.

Please register until Friday before the respective lecture. The number of participants is limited. Registrations are processed in the order in which they arrive. We reserve the right to cancel lecture series to the exclusion of claims for compensation in case of cancellations of speakers or an insufficient number of registrations.

Certificate of Attendance

Please note that you can earn a certificate of attendance (no ECTS) if you attend the whole lecture series (all 7 lectures). If you would like to receive a certificate, please choose the options “Alle Termine der Vorlesungsreihe” and “Certificate of Attendance” in the registration form or inform us via email.