



CCREEE

CARIBBEAN CENTRE FOR RENEWABLE ENERGY & ENERGY EFFICIENCY

AN INSTITUTION OF  CARICOM



Solar PV Integration Training

Tuesday 11th May 2021



IRRP

INTEGRATED RESOURCE AND RESILIENCE PLANS

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Brief Introductions

Your Presenters:



Scope of the Presentation



1. Overview of Solar PV in the Caribbean – policies and strategies in alignment with sustainable energy goals.
2. Introduction to Photovoltaic systems.
3. Solar Photovoltaic System Design – distributed generation and utility scale.
4. Building Codes, plans, Inspections regarding Solar PV.
5. Occupational Health and Safety Considerations.
6. Integration of Solar PV system to the Grid.
7. Project Financing.
8. Solar PV – Case Study utility-scale [JPS]



Introduction to Photovoltaic Systems

Your Speaker: Dr. Randy Koon Koon



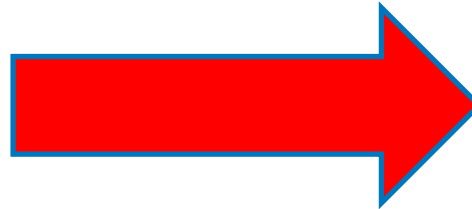
Introduction to Photovoltaic systems



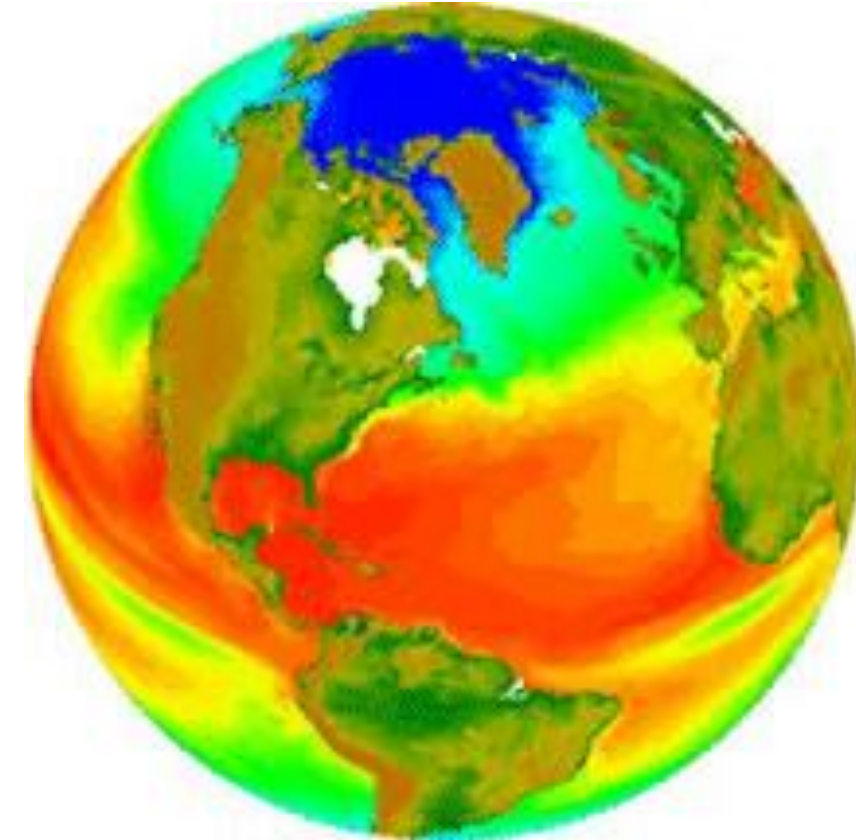
Why Transition to Sustainable forms of Energy?



In 2018, crude oil imports amounted to US\$516.49 million; 3.5% of the country's GDP

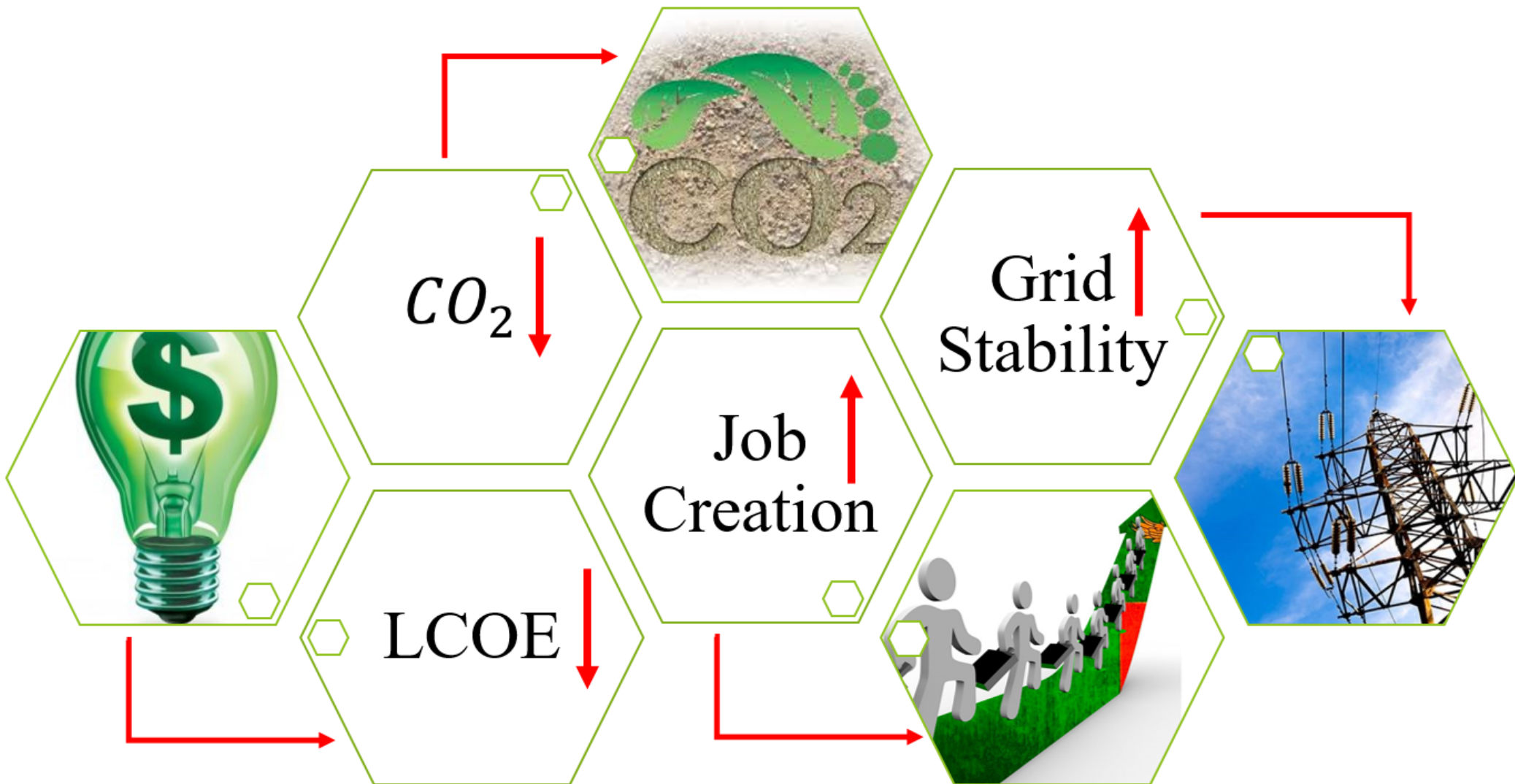


IPCC issued a Special Report on Global Warming of 1.5 °C, SR15



Introduction to Photovoltaic systems

Benefits of RE Integration!



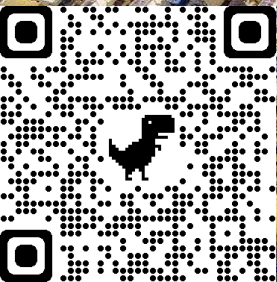
Introduction to Photovoltaic systems



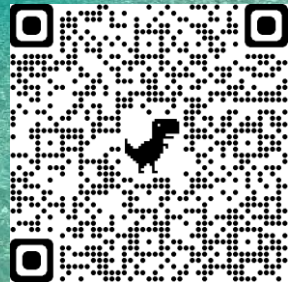
Is Solar Power a renewable source of energy?

What is Solar Photovoltaics?

The United Arab Emirates is building a \$354 million city with driverless cars, greenhouses, and solar-powered villas



Gili Lankanfushi partners with Swimsol to unveil country's largest floating solar panel



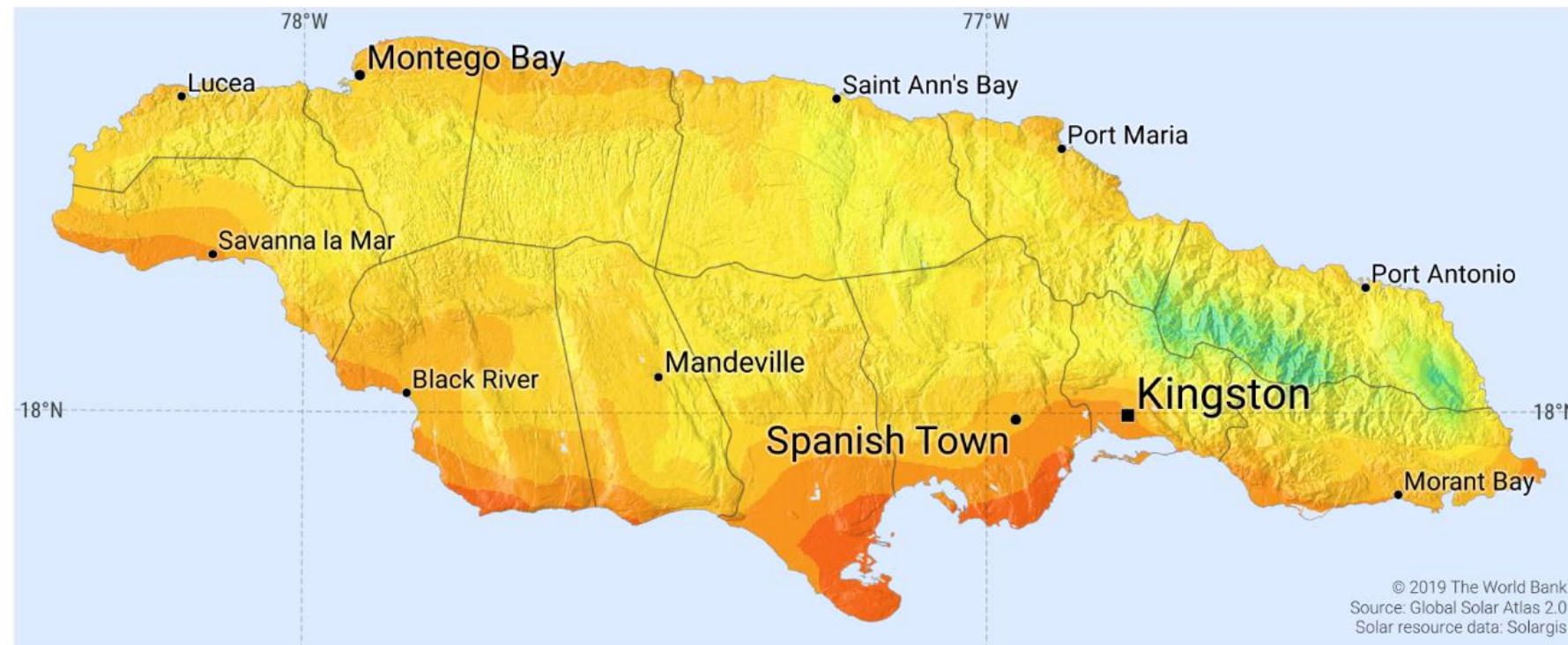
Introduction to Photovoltaic systems

Solar Resource

SOLAR RESOURCE MAP

GLOBAL HORIZONTAL IRRADIATION

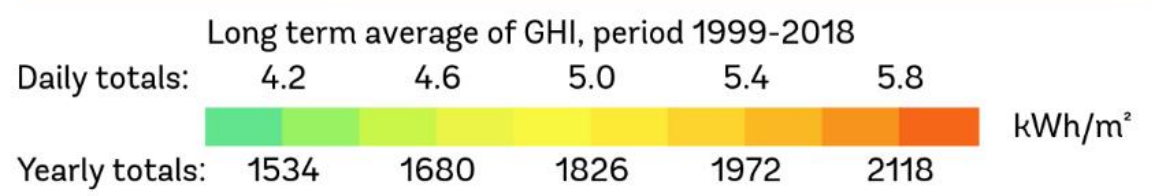
JAMAICA



© 2019 The World Bank
Source: Global Solar Atlas 2.0
Solar resource data: Solargis

$$GHI = DNI + DHI$$

Site Selection Criteria



20 km

This map is published by the World Bank Group, funded by ESMAP, and prepared by Solargis. For more information and terms of use, please visit <http://globalsolaratlas.info>.

