Abstract

Title: Introduction of JGRC/KIER R&D activities to cooperate with GIEC

The Jeju Global Research Center (JGRC), Korea Institute of Energy Research (KIER) R&D activities in the field of renewable energy including reverse electro-dialysis (RED), PV, wind-energy and bio-energy are introduced for future collaboration with Gwangzhou Institute of Energy Conversion. The 2 Korea-China energy research institute shares research interests in those field mentioned above for more than 10 years.

The 2 organizations are supposed to work on bioenergy recently, with CO2 and syngas based bio-refinery technology to produce biofuels and chemicals from syngas of biomass gasification using microbial or protein bio-catalysts. On the other hand, it is known that the 2 Institute could cooperate in the field of PV development in the field of materials for solar cells, thin film solar cells and PV system applications.

JGRC is now interested in marine energy technology with RED development. GIEC has long experiences in the field of marine renewable energy technologies. The exchange of information and persons between the 2 centers are expected to strengthen the cooperation.

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