

The Outreach Program of Renewable Energy for High School in Quintana Roo, Mexico

B. Escobar Morales^{1,*}, Romeli Barbosa², I. Bojorquez², J. C. Cruz³

¹Instituto Tecnológico de Cancún, Av. Kabah Km. 3, Cancun, Q. Roo, Mexico, 77500.

²Universidad de Quintana Roo, Boulevard Bahía s/n, Chetumal, Q. Roo, Mexico, 77019.

³Instituto Tecnológico de Chetumal, Av. Insurgentes 330, Chetumal, Q. Roo, Mexico, 77013.

*Tel: +529981428487; e-mail: bem08@hotmail.com

ABSTRACT

The increase of the international concern about global warming has led to a need to inform young generation about natural disaster risks and the impact of climate change. The renewable energy is a very attractive option to reduce the greenhouse gasses effect, but is necessary to organize information and educational campaigns which highlight their ecofriendly impact. At the present paper, main activities about hydrogen technology demonstration in Quintana Roo's high schools were reviewed, in order to find out the level of knowledge as well as awareness of students concerning hydrogen energy technologies. Because the textbooks do not mention about the role of hydrogen technologies in the development of a secure and sustainable energy, consequently, at this workshop designed for high school students, disseminate about the importance of hydrogen technologies through the hands-on energy demonstrations, conferences and short-courses were crucial. This work presents the results of surveys applied to participants and didactic prototypes built for this purpose.

Keywords: Greenhouse Gasses, Hydrogen Energy, Outreach Education. Didactic Prototypes

