



## French-Japanese symposium on green production and storage of hydrogen

Hydrogen is a green energy carrier; its use is clean and efficient. However, nowadays, it is mainly produced using CO<sub>2</sub>-emitting processes. Therefore, one of the main issues of the hydrogen sector is to tend to reduce its carbon footprint to zero. In order to succeed in attaining a null carbon footprint, using renewable energies such as biomass and photovoltaics appears as a solution for a clean hydrogen production. Stationary and mobile storage also are key issues for the development of the hydrogen solution, mainly because of safety reasons and because of the necessary compromise between the weight of tanks and their capacity.

The purpose of this symposium is to gather French and Japanese researchers working on green production and storage of hydrogen in order to establish a state of the art in these fields and explore new possibilities of cooperation between the two countries. The main topics covered by this symposium will be the improvement of the efficiency of water electrolysis using new electrode materials, the development of new catalysts for hydrogen production from biomass and photoelectrolysis as well as hydrogen storage (innovative materials for solid and hybrid storage, chemical storage, materials behavior). An innovative project of photovoltaic balloons integrating some of these technologies, floating above the clouds and using hydrogen to produce electricity constantly will also be presented.

**Date:** December 6<sup>th</sup>, 2016 (Tue) 13:30 to 18:30

**Venue:** [Knowledge Capital](#), Osaka

**Location:** Inside Grand Front Osaka, 3-1 Ofuka-cho, Kita-ku, Osaka 530-0011

**Language:** English without translation

**Programme:** Please refer to the other attached document, H2 2016 – Programme.pdf

**Organizers:** Embassy of France in Japan & GdR HySPàC

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