

Project Report



Application No. 2007
Short title Innovative catalysts for the steam reforming of ethanol and glycerol

Objectives: short, medium and long term (<250 words)

- 1) Characterisation of catalysts (short term)
- 2) Improvement of activity selectivity and durability of catalysts (mid term)
- 3) proposal of improved steam reforming process (long term).

Brief summary of work carried out:

Deep structural characterization of steam reforming catalysts with various formulation. In particular identification of the active phase dispersion. Assessment of the possible formation of mixed oxide phases able to improve metal dispersion.

Main achievements intended for publication <250 words

Detailed characterization of the catalysts. The publication of 2 manuscripts is in progress at the moment with explicit acknowledgment to H2FC.

Difficulties encountered <250 words

Some difficulties in the quantification of metal particle size.

Further comments: