

We hereby provide information about our organisation with the intention to team up with other CCUS experts. We are interested in discussing new project proposals to upcoming ACT Calls related to subjects listed below.

## 1. Name of Institution

Sabancı University Nanotechnology Research and Application Center (SUNUM)

## 2. Specialities field within CCS

Recently, various types of functional polymeric (anion and cation exchange) membranes have been developed for energy application. SUNUM has the ability to develop new types of polymeric membranes with different fabrication techniques. Within this scope, SUNUM has the capability of developing laboratory-scale polymeric and hybrid membranes for CO<sub>2</sub> separation and fabricating electrospun membranes for H<sub>2</sub> gas production. In addition, there are various projects about metal organic frameworks (MOF), functionalized carbons, metal and metal oxide catalysts for CO<sub>2</sub> storage, Sabatier reaction, electrolyzers, and electrochemical energy conversion/storage systems.

## 3. Website

<https://sunum.sabanciuniv.edu/>

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Date: 14.07.2020