

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

SOCAR Turkey Araştırma Geliştirme ve İnovasyon A.S.

### 2. Specialities field within CCS

Previous funded projects by H2020 about CCS:

- **CARMOF - New Process for Efficient CO<sub>2</sub> Capture by Innovative Adsorbents Based on Modified Carbon Nanotubes and MOF Materials.**

**SOCAR Working Area in CARMOF:** Evaluation of demonstrator efficiency (absorption and desorption process) in each industrial demonstrator, Preparation of Guide of use and maintenance of solid dry CO<sub>2</sub> absorbers\ based on 3D printed hybrid structures installed in hybrid VTSA technologies.

**Topic:** The key objectives of the CARMOF project are (1) to build a full demonstrator of a new energy and cost-competitive dry separation process for post-combustion CO<sub>2</sub> capture based on hybrid porous Metal organic frameworks (MOFs) & Carbon Nanotubes (CNTs) (2) to design customized, high packed density & low pressure drop structures based on 3D printing technologies containing hybrid MOF/CNT to be used in CO<sub>2</sub> capture system based on fluidized beds.

- **CO<sub>2</sub>Fokus - Energy Management for Industrial Circular Heat Recovery System.**

**SOCAR Working Area in CO<sub>2</sub>Fokus:** Reaction optimization, Scale up and process integration is the test of the system obtained by scaling for operation in industrial plants.

**Topic:** The CO<sub>2</sub>Fokus project aims to realise the full potential of a number of concrete strategies to exploit the direct use of CO<sub>2</sub> for the production of dimethyl ether (DME) by CO<sub>2</sub> hydrogenation.

### 3. Website

[www.socar.com.tr](http://www.socar.com.tr)

#### 4. Contact person:

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