



## MEMORANDUM OF UNDERSTANDING

### We:

The **Global Solar Council (GSC)** is a non-profit organization founded in 2015 to coordinate the international advocacy efforts of the world's solar energy associations. It represents national and regional solar associations from both established and emerging markets, including the world's largest markets of Australia, China, Europe, India and other Asian countries, Middle East, South America and the United States, represented by its Co-Chairman, Gianni Chianetta,

and

The **International Desalination Association (IDA)** is a non-profit association focused on desalination and water reuse technologies. IDA is the point of connection for the global desalination and water reuse community. Founded in 1985, IDA serves more than 2,300 core members in 60 countries and reaches an additional 4,000 affiliate members. IDA is associated with the United Nations as part of a growing international network of non-governmental organizations (NGOs). IDA is founding member of Global Clean Water Desalination Alliance H<sub>2</sub>O- CO<sub>2</sub>. It is committed to promote and expand the appropriate use of desalination and desalination technology globally in water supply, water reuse, water pollution control, water purification, water treatment and other water sciences and technology, represented by its President, Dr. Emilio Gabbrielli,

- Recognizing desalination is rapidly developing worldwide and represents a key solution for water supply in all coastal areas and beyond,
- United by the shared vision to reduce the costs of desalination and its environmental impact by making use of solar power as a decisive tool to address power needs, sustainable development goals and climate change,
- Acknowledging desalination technology importance and opportunities in remote areas,

WHEREAS, GSC and IDA have expressed their mutual interests in collaboration through coordination, knowledge and activities, as follows:

- 1- Share mutual interests and experience, exchange information related to R&D, pilot testing and demonstration of desalination technology that is suitable to be powered by renewable energy;
- 2- Collaborate on the development, testing and demonstration of advanced and innovative energy-efficient seawater desalination technologies suitable to be powered by solar energy source;
- 3- Collaborate on the development of seawater desalination technologies that are more energy-efficient than current state-of-the-art systems in line with GSC and IDA goals;
- 4- Collaborate on the development of seawater desalination technologies that can be powered by solar energy sources and systems that have minimal environmental impact in line with GSC and IDA Energy & Environmental Committee goals;





- 5- Collaborate on the development of advanced and innovative seawater desalination technologies between GSC and IDA;
- 6- Establish cooperation in various issues such as training, consultations, conferences and workshops, etc.;
- 7- IDA and GSC will work in cooperation through this MOU towards the mutual goals of sustainability, energy efficiency and technology transfer, excellence in operation, economic development and environment friendly technologies.

**THE PARTIES HAVE HEREBY REACHED THE FOLLOWING UNDERSTANDING:**

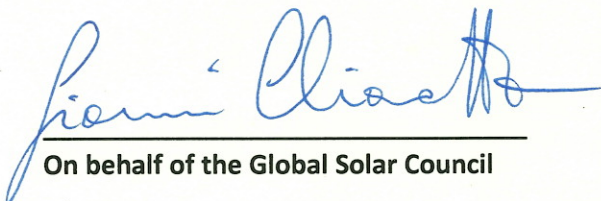
Commit to collaborate as necessary to:

- pave the way for cost reduction and innovative solar energy solutions to desalination by sharing best practices and most recent technological updates; and,
- leverage synergies to further develop the solar and desalination markets focusing primarily on emerging markets; and,
- collaborate with capacity building joint events and advocacy, and awareness campaigns to enlarge the global stakeholders network,
- collaborate with Global Clean Water Desalination Alliance. The Alliance "H<sub>2</sub>O minus CO<sub>2</sub>" created at the initiative of Masdar, French Government and IDA, was launched on December 5th 2015 during COP21, on the sidelines of the negotiations of Paris on climate change (COP21). The Alliance aims to bring together key players in the desalination and clean energy industries, in order to reduce CO<sub>2</sub> emissions from desalination.

The present MOU is not implying any financial commitment and each project that will follow this MOU will be detailed and approved by the parties.

This MOU is signed in order to maximize the environmental, economic and social benefits both locally and globally.

**Signed in Sao Paulo on 18 October 2017**



On behalf of the Global Solar Council

Mr. Gianni Chianetta, GSC Co-Chairman



On behalf of the International Desalination Association

Dr. Emilio Gabbrielli, President