



IMarEST Special Interest Groups

PROFILE:

[Offshore Renewables](#)

Reaching the Paris Agreement's goal of limiting global temperature rise to less than 2°C above pre-industrial levels requires radical global adaptation. Renewable energy will play a crucial role in achieving this. The offshore renewable sector incorporates the development and construction of any wave, tidal or wind infrastructure within the marine environment with the aim to deliver renewable energy to meet global requirements. However, research and technological innovation and advancement will be needed for the sector to meet global energy requirements.

The IMarEST Offshore Renewables SIG address issues concerning the development of the sector, including all projects, processes and management of offshore systems. While not solely a marine science SIG it embodies the multidisciplinary nature of the Institute – where engineering meets science to find solutions to a wider environmental problem.

The SIG focuses on a number of key high-level actions such as promoting engagement in national and international offshore initiatives; conducting academic outreach and professional development of the next generation of offshore renewable experts.

Recent outputs include:

- [Metocean Procedures Guide](#) - meteorological and oceanographic (metocean) information required to support all phases of an Offshore Renewable energy project, through development and construction to ongoing operations and maintenance.
- [IMarEST Annual Conference 2019](#) – presentation delivered by Jennifer Gomez Molina on the SIG's contributions outlining the scope of offshore renewables in shaping a sustainable blue economy. You can watch the full recording on [IMarEST TV](#) (members only) and our [Youtube channel](#).



Upcoming outputs include:

- Marine renewable energy report – the SIG is currently producing a report on the current status and development of the marine renewable energy sector, considering tidal stream and wave energy technologies compared to other renewable energy sources, using the United Kingdom as a case study.

How to get involved in IMarEST technical activity

The IMarEST SIGs are voluntary groups which operate to the benefit of a specialist field, spanning the interests of marine engineering, science and technology, by bringing together experts from the marine sector. SIGs are governed by a committee of members but all SIGs are open for all members to participate as corresponding members.

They provide a platform for knowledge-sharing, outreach, and advisory information for the wider industry and in some cases - influencing legislation and policy. The work of the IMarEST's SIGs is highly diverse, spanning across the three domains of the institute – often incorporating aspects of multiple disciplines.

All the SIGs welcome new members, wherever you are in the world. However, you must be an [IMarEST member](#) to join. As an IMarEST member, you can participate in a range of technical activities at both an international and intergovernmental level. The IMarEST holds an extremely privileged position of having formal recognition across a [range of intergovernmental organisations](#) at a level unrivalled by similar organisations of its kind.

By [joining a SIG](#), you can develop your knowledge through meeting and attending events with industry experts, as well as make your contribution to the development of a sustainable marine sector and blue economy – all of which counts towards your Continuing Professional Development.

You can join a SIG as a corresponding member by signing up through your [IMarEST web account](#) to follow SIG developments and hear the latest industry news. You can also engage with the SIG, other corresponding members and discuss specialist topics in the member only networking portal '[IMarEST Nexus](#)'. If you are interested in becoming more directly involved with a SIG you can apply to the committee – for more information contact technical@imarest.org.

The IMarEST welcomes the establishment of [new special interest groups](#) across the entire breadth of the marine engineering, science and technology domain. Whether you are a non-member or a current member, if you are interested in establishing a new SIG – please get in touch with our technical team to enquire: technical@imarest.org.

