

Co-ReSyF in a nutshell:

Creating a cloud platform to support applications that use Earth Observation (EO) data for **Coastal Water research**.

Building a **gateway to coastal information** currently locked in EO data.

Focusing on the needs of the **coastal waters research** community.

Developing a framework that simplifies the incorporation of EO data use into **multi-disciplinary** research activities.

Building on the success of the **SenSyF** framework (www.sensyf.eu).

Integrating access to over **20 years** of EO satellite data, including current and future Sentinel missions, ranging from radar to optical and thermal.

Providing a **user friendly** platform, accessible to inexperienced researchers, as well as EO and coastal experts.

Developed by and for the user **community** who will experience, test and guide the development of the framework, whilst using it as a tool for research.

Training the coastal scientists of tomorrow, with a dedicated **Summer School**.



What will the Co-ReSyF facility allow us to do?

Develop algorithms for extracting information from coastal EO data.

Engage with an expert collaboration hub.

Use a cloud processing framework that includes (pre-)processing tools, and supports customisation of existing, or uploading of new, algorithms.



Quick prototyping and testing of algorithms through an interactive processing centre.

Conduct data query, access and retrieval through a data discovery centre.

Explore, using data selection, multi-dataset display and analysis via a visualisation centre.

Get Involved!

You can use our contact details on the back to subscribe to our newsletter, browse our website, or find out more about the events, such as the Competitive Call and Summer School in 2017.

How will Co-ReSyF achieve this?

Co-ReSyF will create a collaborative front-end for process definition and peer interaction, as well as a cloud back-end for distributed processing and resource scalability.



Unlocking our
Potential for
Coastal Innovation
Growth

Realising the **potential** of Earth Observation in the research and monitoring of coastal waters.

Supporting our maritime economy by enabling knowledge generation.

Developing **cutting-edge technology** that is key to enhancing EO data usage and processing.

With an initial phase (2016-2018) for **platform evolution** based on user feedback, and a second phase **open to all research community**.

The Consortium

Eight partners in five different countries, led by DEIMOS Engenharia.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 6872892

Unlocking our Potential for Coastal Innovation Growth

Developing a **cutting-edge facility**.

Incorporating **Earth Observation** and coastal data.

Engaging the coastal community in a **user-orientated** framework.

Providing **training and access** to the research applications platform.

Improving the project based on your feedback.

To give feedback or recommendations, to request more information, or for any other queries, you can use the information below to contact us.

Co-ReSyF | Coastal Waters Research Synergy Framework



Website: www.co-resyf.eu

Twitter: @Co_ReSyF

Facebook: coresyf2016

LinkedIn: <https://www.linkedin.com/groups/8480833>



Coastal Waters Research Synergy Framework

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