

IHCantabria will be member of the Copernicus Academy Network

Santander, September 18th–

IHCantabria’s plan to develop its role as a **Copernicus Academy Member** will be based on the current education and training activities (**Master Program, PhD Program and Capacity building**). The goal of the plan is to develop lectures, training sessions, traineeships as well as educational and training material to empower the next generation of researchers, scientists, and entrepreneurs with suitable skill sets to use Copernicus data and information services to their full potential.

The European Commission has launched two Networks, the Copernicus Relays and the Copernicus Academy, to contribute on spreading awareness and knowledge about Copernicus across and outside the EU.

The Copernicus Academy Members will support the Commission in bridging the gap between skills and data use, and enable the uptake of Copernicus data in new sectors. Their aim is to foster the development of interdisciplinary masters and educational classes, skills boosting programmes for vocational training, industry-university traineeships and the creation of spin-offs.



Domain

- Education, Research



Focus

- Data uptake, capacity building and skills development



Actors

- Universities (incl. Business schools)
- Research institutions
- Private educational institutions focused on business and space



Outcome

- Support Data uptake capacity building and skills development
- Development of interdisciplinary training, new skills boosting programmes
- Fostering the awareness of the Copernicus programme



Suggested tasks

- Publications, teaching and training material production, career development initiatives
- Building a knowledge culture and developing the Copernicus ecosystem
- Synergy and cooperation with the other members, the Support Office, and the Copernicus Relays



Knowledge areas to boost

- Cartography and Visualisation
- Data Manipulation
- Geospatial data
- Data Modelling
- Geo-computation
- GIS&T and Society

The Copernicus data services are currently a high-quality source of information, providing innumerable opportunities for current and future studies and projects. In the following lines are listed some of the IHCantabria software developments that make use of the Copernicus data services:

- **ATHENEA:** Integral marine hydrocarbon spill prevention and Management System
 - www.athenea.ihcantabria.es
 - <https://vimeo.com/ihcantabria/athenea>
- **SAILING:** 2017 World Cup Series Final & 2014 ISAF Sailing World Championships
 - www.sailing.ihcantabria.com
- **TRL+:** Expert Management System to test marine energy technology in deepwaters
 - www.trlplus.com
- **SODIN:** Flood Damage Operational System
 - <http://sodin.ihcantabria.es/>

IHCantabria has a significant role as **contributor of education and outreach of scientific based methodologies** specialized in water-related issues, climate change adaptation and environmental Management. Concerning the Copernicus Academy “knowledge areas to boost”, IHCantabria staff has a substantial professional background in:

- Cartography and Visualization
- Data Management
- Geospatial Data
- Data Modelling
- Geo-computation
- GIS

About IHCantabria

The University of Cantabria, located in Santander in the north coast of Spain, is one of the three universities that has been in the Top 10 list of the main Spanish rankings both in education and research quality. **IHCantabria**, one of its centres, is the leading research centre in coastal and ocean engineering in the country, with more than 140 researchers and scientists focused on a wide range engineering challenges. It also manages a unique set of experimental facilities specialized on ocean engineering issues. The University of Cantabria, and the research practiced in **IHCantabria**, are the sixth in the world University ranking of Shanghai and world leader in the CNCI indicator (Category Normalized Citation Impact).