



Extrait du ESDP - European Scientific Diving Panel

<http://ssd.imbe.fr/ESD-European-Scientific-Diver>

ESD - European Scientific Diver level of competency

- What is the ESD Panel ? -

Date de mise en ligne : lundi 1er mai 2017

ESDP - European Scientific Diving Panel

THE EUROPEAN SCIENTIFIC DIVER (ESD) | [to AESD standards](#)

A European Scientific Diver is a diver capable of acting as a member of a scientific diving team. He/she may attain this level by either a course or by in-field training and experience under suitable supervision or by a combination of these two methods.

The ESD must :

- Show proof of basic theoretical knowledge and a basic understanding of :
 - Diving physics and physiology, the causes and effects of diving related illnesses and disorders and their management.
 - The specific problems associated with diving to and beyond 20m, calculations of air requirements, correct use of decompression tables.
 - Equipment, including personal dive computers and guidelines as to their safe use.
 - Emergency procedures and diving casualty management.
 - Principles of dive planning.
 - Legal aspects and responsibilities relevant to scientific diving in Europe and elsewhere.
- Be fully competent with/in :
 - Diving first aid, including cardio-pulmonary resuscitation (CPR) and oxygen administration to diving casualties.
 - SCUBA rescue techniques and management of casualties.
 - The use and user maintenance of appropriate SCUBA diving equipment.
- Be fully competent with :
 - Search methods.
 - Survey methods, both surface and sub-surface, capable of accurately locating and marking objects and sites.
 - The basic use of airbags and airlifts for controlled lifts, excavations and sampling.
 - Basic rigging and rope work, including the construction and deployment of transacts and search grids.
 - Underwater navigation methods using suitable techniques.
 - Recording techniques.
 - Acting as surface tender for a roped diver.
 - Sampling techniques appropriate to the scientific discipline being pursued.
- Show proof of having undertaken 70 open water dives, to include a minimum of :
 - 20 dives with a scientific task of work supervised by a recognized research institution, such as listed above.
 - 15 dives deeper than 15m of which of 5 dives deeper than 25m
 - 12 dives in the last 12 months, including at least 6 with a scientific task of work.

All evidence must be recorded in nationally acceptable logs, countersigned by suitably qualified persons. None of the above precludes the possible requirement for a practical or theoretical demonstration of any or all of the points shown.

[AESD standards](#)