



## Application for European Scientific Diver Certificate (ESD)

Full Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Date of Birth : \_\_\_\_\_

E-mail address: \_\_\_\_\_

Address, print name, signature and stamp of the Head of the issuing German Certified Education Centre for Scientific Diving.

\_\_\_\_\_  
\_\_\_\_\_



### Send:

1. **Completed form**
2. **Payment document for the administration fee of € 30 (reduced fee 15 € - applies only in combination with a documentary evidence according to the KFT - Info - [http://www.forschungstauchen-deutschland.de/downloads/info\\_zertifizierung.pdf](http://www.forschungstauchen-deutschland.de/downloads/info_zertifizierung.pdf) - section „Allgemeine Regelungen“), payable to: Kommission Forschungstauchen Deutschland, Keyword: ESD - Certification “*your name*”, account number: Sparkasse Südholstein IBAN: DE33 2305 1030 0015 1999 79, BIC: NOLADE21SHO).**
3. **Proof of the valid certification “German certified scientific diver“ (geprüfter Forschungstaucher), (Photocopies accepted).**
4. **Proof of diving experience according to the “Minimal Standards for European Scientific Diving”, signed by the above named German Certified Education Centre for Scientific Diving (see overleaf).**

An:

Alfred Wegener Institute, Helmholtz Center for Polar and Marine Research  
Biological Station Helgoland  
Center for Scientific Diving  
Certification Authority/German Commission for Scientific Diving  
27498 Helgoland  
Germany  
[philipp.fischer@awi.de](mailto:philipp.fischer@awi.de)

For official use only:

Date application received:

Date dispatched:

ESD Nr.:

Approved / Refused

Date of expiry of certificate (valid 5 years):

## THE EUROPEAN SCIENTIFIC DIVER.

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:

1. diving physics and physiology, the causes and effects of diving related illnesses and disorders and their management.
2. the specific problems associated with diving to and beyond 20m, calculations of air requirements, correct use of decompression tables.
3. equipment, including personal dive computers and guidelines as to their safe use.
4. emergency procedures and diving casualty management.
5. principles of dive planning.
6. legal aspects and responsibilities relevant to scientific diving in Europe and elsewhere.

#### - be fully competent with/in:

1. diving first aid, including cardio-pulmonary resuscitation (CPR) and oxygen administration to diving casualties.
2. SCUBA rescue techniques and management of casualties.
3. 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.
- 10 dives between 15m and 24m.
- 5 dives greater 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.

**The below signing head of the certified German Education Centre for Scientific Diving approves that the applicant (named overleaf) has shown proof to fulfil all above listed skills with respect to the “Minimal Standards for European Scientific Diving”.**

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Location, Date

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(stamp and signature)

Head of the certified Education Centre for Scientific Diving,  
accredited by the German Occupational Safety & Insurance  
Association for civil and underground engineering