

## THOMAS HERAN ARCE

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### EDUCATION

- 2017 Ph.D student at Benthic-Pelagic Processes group, Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research, Bremerhaven (<https://www.awi.de/en/science/biosciences/benthic-pelagic-processes/team.html>).
- 2013 Graduate as "Marine Biology" at the Austral University of Chile.
- 2001-2004 High school, Puerto Varas School, Chile.
- 1999-2000 Elementary school, Puerto Varas School, Chile.
- 1991-1998 Elementary school, Trewela's English School, Chile.

### DIPLOMA THESIS RESEARCH

- 2012 Master thesis: "Distribution, abundance and coverture of Ascidiaceans (Chordata) from Fildes bay, King George Island, Antarctic". Austral University of Chile.  
Adviser: Dr. Dirk Schories: Project Management, Forschungszentrum Jülich, Jülich, Germany.

### PRACTICES

- 2011 Professional practice: Mobility rate on epi-benthic hard-bottom invertebrates through underwater Interval photography, Yervas Buenas, Road 7, Puerto Montt, Chile.  
Adviser: Dr. Dirk Schories: Project Management, Forschungszentrum Jülich, Jülich.
- 2009 Intermediate practice: Construction of a cold aquaria at Puerto Food, Chile. Contact Robert Heran ([rheran@puertofood.cl](mailto:rheran@puertofood.cl)).
- 2006 Basic practice, Chile Foundation, Quillaipe, km 25, Road 7, Los Lagos Region.  
(Phone: (+56-65) 480 774), Chile.

### RESEARCH EXPERIENCE

- 2015-2016 Characterization of the epi-benthic hard-bottom community at different inclination and depth in the surrounding coast of Palena river, Region XI, Chile.
- 2013-2014 Epi-benthic fauna from a windward and leeward ambient in Palena, Aysén region, Chilean Patagonia.
- 2013 Head chief of the scientific diver group during the Antarctic expedition: Biodiversity of Southern Ocean Seaweed; first local and regional insights using a molecular-

assisted alpha taxonomy approach. Supported by the Instituto Antártico Chileno (INACH) Project T\_16-1.

Professor response: PhD. Marie-Laure Guillemain ([marie-laure.guillemine@gmail.com](mailto:marie-laure.guillemine@gmail.com)).

## SCIENTIFIC ARTICLES

- 2016 Sanino G.P., Pozo N., and **Heran T.**, (2016). Terrestrial and semi-aquatic macro and meso-mammal presence the coast of Añihué Reserve, Chilean Patagonia. Bol. Mus. Nac. de Hist. Nat. Chile, 65: 15-30.[In Spanish].
- 2015 Schories D, Sanamyan K, Sanamyan N, N., Díaz, M. J., Garrido, I., **Heran, T.**, Holtheuer, J. and Kohlberg G., (2015). Geographic ranges of ascidians from Antarctica and the southeastern Pacific. Adv. Polar Sci., 26: 8-23.

## CONFERENCED ATTENDED

- 2017 Poster title: Sucesión de comunidades bentónicas de fondos duros en el sublitoral del Fiordo Comau, Chile. XXXVII Congreso Ciencias del Mar, Chile. 22<sup>nd</sup> to 26<sup>th</sup> of May.

## WORK EXPERIENCE

- 2017 Alfred Wegener Instituted Expedition, PACOC III (Plankton- And cold-water COral ecology in the Comau fjord). Contact: Dr. Gertraud Schmidt ([Gertraud.Schmidt@awi.de](mailto:Gertraud.Schmidt@awi.de)).
- 2016 Biological scientific support at Àrka S.A. Underwater archaeologist. Contact: Diego Carabias Amor ([dcarabias@arqueologiamaritima.cl](mailto:dcarabias@arqueologiamaritima.cl)).
- 2013-2016 Scientific research assistant at Añihué Reserve ([www.anihuereserve.com](http://www.anihuereserve.com)), located in Aysén region, Chile.
- 2010 Investigation of benthic marine animals for Ecology and Evolution Institute, Austral University of Chile.
- 2010 Market research the company INDUVET®.

## WEBSITE

- 2014-2017 Underwater photo guide of marine life from Chilean Patagonia. Promote awareness and conservation look about Chilean cost. [www.thomasheran.com](http://www.thomasheran.com)

## ADDITIONAL QUALIFICATIONS

- 2017-2018 Representative of the PhD student of Alfred Wegener Institute, Doktorand team.
- 2016 Wilderness First Responder, certified by National Outdoors and Leadership School (NOLS) and Wilderness Medicine Institute (WMI).
- 2016 Adult and child CPR & airway management, certified by NOLS and WMI.
- 2014-2016 Photography classes from Creativelive, online courses.
- Fundamentals of digital photography. By Jhon Greengo.
  - Nikon® D7000. By Jhon Greengo.
  - Adobe® Camera Raw. By Jack Davis.
  - The ultimate Lightroom CC workflow. By Jared Platt.
  - The Art of Seeing. By Frans Lanting.
  - The Art of Wildlife Photography. By Tom Mangelsen.

2014	Minor vessel captain and crew member, certified by the Chilean Navy.
2012	Decompression Techniques course, TXR, Scuba School International (SSI).
2012	Diving Technical Foundations course, TXR, Scuba School International (SSI).
2012	Advance enrich air (nitrox) course, Scuba School International (SSI).
2012	Basic enrich air (nitrox) course, Scuba School International (SSI).
2010	Specialist diver course, Chile.
2009	European Scientific Diver course, KFT, Rostock University, developed in Chile.
2009	International Pool Lifeguard, Recognize by the international Life Saving Federation, DLRG.

## **LANGUAGES**

Spanish: Native language.

English: B2, IELTS academic certified.

## **COMPUTER SKILLS**

- Operational systems: Basic user level of Microsoft, MacOs and OpenSuse.
- Text, table and presentation softwares: Microsoft Office (Word, Excel and Powerpoint); LibreOffice 5.0.3 8 Writer, Calc and Base).
- Graphic Software:
  - Adobe Bridge CC (v 7.0.0.93).
  - Photoshop CC (2017.1.1).
  - Lightroom CC (2015.10).
  - Ocean Data View (4.7.10).
  - Primer 6.
  - RStudio (1.0.143).

## **FIELD TECHNICAL SKILLS**

- 633 hours of SCUBA diving in the coast of Chile and 52 hours of SCUBA diving in the Antarctic region.
- High photographic skills, experienced in underwater wildlife documenting using DSLR (Nikon D7000).
- Solid first aid skills with stabilization and evacuation experience in remote areas (NOLS).

## **SOFT SKILLS**

- Teamwork and leadership.
- Effective communication skills.
- Honest and reliable.
- Time management.

## **PERSONAL DATA**

ID Number	16.945.749-2
Date of Birth	June 2 <sup>nd</sup> , 1986
Nationality	Chilean & Czech
Marital status	Married