

<b>Name</b>	Anders Bjerrum
<b>Position</b>	EU-consultant
<b>Nationality</b>	Danish
<b>Date of birth</b>	May, 7 <sup>th</sup> , 1944
<b>Education</b>	Civil engineering, PhD 1973 Danish Technical University
<b>Languages</b>	Danish: Mother tongue English: Professional level German: Level of conversation



### Qualifications

Anders Bjerrum has been professionally involved with the EU Framework programmes for research and technology development for the last 20 years. He participated in 15 EU-projects under FP3, FP4, FP5 and FP6 as partner and in six projects as the coordinator. He worked for the EU-Commission as external Expert Evaluator since 2000. He worked in EuroCenter as National Contact person (NCP) for FP6 appointed by the ministry of science 2004-2006. He works as free lance EU-consultant since 2007.

Anders Bjerrum worked 10 years as consulting engineer with energy, environment and offshore projects. He started his own company in 1994 based on own invention of an autonomous underwater vehicle (ref: <http://www.teknologisk.dk/erhverv/7708>). The company has become a worldwide leading business in AUV manufacturing.

Anders Bjerrum has published a book on FP7 (2007) and more than 20 scientific papers and contribution to textbooks on underwater robots.

### Job record

2007 -	<b>FP7consult</b> , EU-consultant
2004 - 2006	<b>EuroCenter</b> , EU-consultant, National Contact Person for FP6: <ul style="list-style-type: none"> <li>○ Sustainable development, global change and Ecosystems (Transport, Energy and Environment)</li> <li>○ Citizens and Governance in a knowledge-based society</li> <li>○ Science and Society</li> </ul>
1994 - 2004	<b>Maridan ApS</b> , Business entrepreneur and technical director.
1982 - 1994	<b>COWIconsult AS</b> , consulting engineer, project manager, offshore and energy projects.

- 1978 – 1982      **Danish Energy Agency (Energistyrelsen)**, head clerk, oil and gas section
- 1973 – 1978      **Geotechnical Institute**, consultant in soil mechanics and foundation

### **Selected projects**

- 2006 -            Coordinator for innovation project in EuroCenter (EU-project INNOVATION CIRCUS, FP6). Highlighting innovation in selected European regions.
- 2006 -            Administrator of health project (HAPPY AUDIT, FP6). Intervention programmes targeting General Practitioners on the surveillance of respiratory tract infections.
- 2002 - 2004      Project Manager for pioneering under-ice survey using an autonomous underwater vehicle in the Greenland Sea (EU-project CONVECTION, FP5).
- 2002 - 2004      Project Manager for the development of autonomous underwater vehicles for intervention. Cooperation with Shell (EU project SOAVE, FP5).
- 2001 - 2004      Project Manager for the development of autonomous underwater vehicles for seabed sampling (EU project SEABEE, FP5).
- 2001 - 2004      Coordinator for the development of autonomous underwater vehicles for inspection of sub-sea pipelines and cables. Cooperation with BP (EU-project AUTOTRACKER, FP5).
- 2000 - 2003      Coordinator for the development of a docking system for autonomous underwater vehicles (EU-project EURODOCKER, FP5).
- 1994 - 1997      Coordinator for the development of an underwater navigation system (EU project UBC). Nominated to "Ingeniørens produktpris 1999".
- 1989 - 1991      Assisting Professor in petroleum engineering at Danish Technical University. Textbook author.
- 1994-1990      External Reporter for the weekly magazine "Ingeniøren" on offshore matters.

### **Selected publications**

1. Bjerrum A, "Oil & Gas Reservoir Engineering". Textbook and exercises. DTU 1989-1991.
2. Bjerrum A, "Towing Seismic Streamer in Pack-ice". Polartech '90, Copenhagen, Denmark, 1990.
3. Bjerrum A, Pascoal A, Ardouin C, "Development of the Marine Utility Vehicle System (MARIUS)". 7th Internat. Symposium on UUST, Univ. of New Hampshire, USA, 1991.

4. Bjerrum A, Christensen FT, Sterzenbach M, "Under-Ice Petroleum Exploration offshore East-Greenland". First Nordic Research Forum Symposium, Gilleleje, 1992.
5. Bjerrum A, Christensen FT, Sterzenbach M, "Towing Seismic Streamers in Pack-Ice". Polar-Tech '92, Montreal, 1992.
6. Bjerrum A, Pascoal A, Coudeville JM, Christiansen K, "Control of an Autonomous Underwater Vehicle for Environmental Surveys (MARIUS)". Control Applications in Marine Systems, Genoa, April 1992.
7. Pascoal A, Bjerrum A, Coudeville J, "MARIUS (Marine Utility System). - An Autonomous Underwater Vehicle for environmental Surveying". Symposium on Marine Science and Technology, Brussels, March 1993.
8. Pascoal A, Pereira F, Bjerrum A, Pignon JP, Coudeville JM, Petzelt C, "Development of a self-Organizing Underwater Vehicle (SOUV)". Symposium on Marine Science and Technology, Brussels, March 1993.
9. Bjerrum A, "Future Requirements for Coastal Environmental Surveying". First ISR Workshop on AUV's, Porto, September 1993.
10. Egeskov P, Bjerrum A, Aage C, Pascoal A, Silvestre C, Smitt LW, "Design, Construction and Hydrodynamic Testing of the AUV MARIUS". Symposium on AUV Technology, Boston, July 1994.
11. Egeskov P, Bjerrum A, Aage C, Pascoal A, Silvestre C, Smitt L, "Design, Construction and Hydrodynamic Testing of the AUV MARIUS". Symposium on AUV Technology, AUV'94 IEEE Oceanic Eng. Soc., Cambr., USA, July 1994.
12. Bjerrum A, Ishoy A, "AUV for Surveys in Coastal Waters". Sea Technology, February 1995.
13. Bjerrum A, Ishoy A, Henriksen L, "Sonar-Based Navigation of an Unmanned Untethered Underwater Vehicle". Nordic Hydroacoustic Conference, HYAC '95, Stockholm, Sweden, September 1995.
14. Henriksen L, Bjerrum A, Ishoy A, "Sea Trials of MARTIN - A European Survey AUV". Proceedings of the OCEANS'95 Conference, San Diego, USA, October 1995.
15. Bjerrum A, Krogh B, Henriksen L, "Unmanned Mini-Submarine for Offshore Inspections". SUBTECH '95, Aberdeen, November 1995.
16. Madsen H Ø, Bjerrum A, Krogh K, "MARTIN -an AUV for Offshore Surveys". Oceanology International 96, Brighton, UK, March 1996.
17. Bjerrum A, "Autonomous Underwater Vehicle for Offshore Surveys". Technology for Remote Subsea Operations – Forum 1997, Aberdeen, March 1997.
18. Bjerrum A, "MARTIN 200 towards commercialisation", IBC International Conference, London 1998
19. Bjerrum A, Symonds G, Larsen, M B, "MARPOS – Doppler – Inertial Positioning system", Society for Underwater Technology, Hydrofest Workshop, Aberdeen, 1999
20. Bjerrum A, Pind J, "Autonomous Survey Offshore Namibia", AUV Workshop PING99 workshop, Copenhagen 1999
21. Bjerrum A "AUVs are proven technology", Offshore Technology Conference, Houston 2000.
22. Andersen N A, Bjerrum A, "Docking capability of the MARTIN AUV", Conference on Manoeuvring and Control of Marine Crafts (MCMC2000), Aalborg University, Denmark, 23-25 August 2000.
23. Madsen P B (Naval Material Command), Bjerrum A (Maridan). "The MARTIN AUV in the MCM role", UUV Symposium, Newport, April 2000.
24. Bjerrum A, Galletti R, Brighenti A, Zugno L, "Subsea Intervention facilitated by Docking AUVs", UUV Showcase, Southampton Oceanographic Centre, August 2000.

25. Bjerrum A, "AUVs for surveys in Complex Environment", Chapter 13 of Technology and applications of AUVs, edited by Griffiths G, Overseas Publishing Associates OPA (UK) Ltd (2001).
26. Bjerrum A, Slater T, "Autonomous tracking of submarine pipelines and cables", Hydrographic Society, Hydro 2001, Norwich, March 2001.
27. Bjerrum A, "Sådan skriver du en succesfuld EU-ansøgning". [www.fp7consult.dk](http://www.fp7consult.dk) 2007.