

# Dr Adrian Linnane, Wild Fisheries SARDI Aquatic Sciences

## Areas of expertise

Crustacean biology and ecology, fishery stock assessment, fishery independent monitoring surveys, spatial fishery analyses

## Countries of work experience

Ireland, Norway, Scotland, United States, Australia.

## Overview of experience and qualifications

Dr. Linnane has a wide range of skills and experience that have been developed working as a marine biologist and fisheries scientist. He has graduated with a degree in Marine and Fisheries Zoology from Aberdeen University and a Ph.D. in Zoology from the National University of Ireland, Galway. His Ph.D. focused on biological and ethological studies of juvenile clawed lobsters reared for stock enhancement.

Since moving to SARDI, Dr Linnane's areas of active research centre around the development of stock assessment approaches for the South Australian rock lobster (*Jasus edwardsii*) and giant crab (*Pseudocarcinus gigas*) resources. He is responsible for delivering the annual stock assessment reports for these fisheries and also directs the annual puerulus monitoring, voluntary catch sampling and fishery independent monitoring surveys. More recently, Dr. Linnane has worked closely with managers from PIRSA fisheries in developing the new Management Plans for both the Northern and Southern rock lobster fishery resources.

Dr. Linnane has published over 20 scientific papers and 10 peer reviewed reports in the areas of crustacean biology and fisheries stock assessment. His research has mainly focused on the areas of ecological requirements, reproductive biology, spatial dynamics and bycatch mitigation within crustacean fisheries. He is currently involved in a number of collaborative research projects with Victoria and Tasmanian scientists. These include research on spatial management issues as well as the standardization of fisheries data collection across these jurisdictions.

Other areas of research interest include lobster translocation, lobster movement patterns and trends in puerulus settlement.

Dr. Linnane lectures and supervises students at both Flinders and Adelaide Universities.

## Professional appointments:

**2003- present:** Offshore crustaceans Subprogram Leader, SARDI Aquatic Sciences, Adelaide, Australia.

**2002-2003:** Research Scientist, Inshore Fisheries Development Section, Irish Fisheries Board, Galway, Ireland.



**2001-2002:** Enterprise Ireland Post-Doctoral Research Fellow Recipient, Royal Melbourne Institute of Technology, Australia

**1997-2001:** Post -Doctoral Research Scientist, Martin Ryan Marine Science Institute, National University of Ireland, Galway.

## Research and consulting

**2003-present:** Fisheries stock assessment, reproductive biology and recruitment trends of southern rock lobster and giant crab in South Australia.

**2002-2003:** Contract research with Irish Inshore Fisheries Development Board on lobster stock assessment and stock rebuilding programmes.

**2001-2002:** Development of in-vitro fertilisation methods for the freshwater yabby *Cherax destructor*.

**1998-2001:** Trans-European studies on ecological requirements of early benthic phase European clawed lobsters.

**1997-2001:** Research on development of alternative net designs aimed at reducing the impact of demersal otter trawling on seabed communities.

## Contact

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