

CHAIRPERSON'S INTRODUCTION

R.K. Lewis

*South Australian Research and
Development Institute
GPO Box 1625
Adelaide SA 5000*

This session presents four different applications of population dynamics models to four different fisheries. The case studies have been chosen to illustrate examples from the southern temperate and northern tropical fish populations, marine and freshwater, single species cohort and multispecies approaches as well as teleost and elasmobranch species.

Models presented include age structured dynamic pool, cohort analysis, Schaefer and Fox as well as a less well known predictive model linking fish population recruitment (cohort strength) with freshwater stream flow for a number of species.

(Tom Polacheck and Keith Sainsbury were unable to take part in the Workshop. Their paper has been included in the report of Session 5, but was not available for discussion at the meeting.)