



A RAPID RESPONSE ASSESSMENT

BLUE CARBON

THE ROLE OF HEALTHY OCEANS IN BINDING CARBON



CSIC





CONTENTS

5	PREFACE
6	EXECUTIVE SUMMARY
11	INTRODUCTION
15	EMISSIONS AND SEQUESTRATION – THE BINDING OF CARBON
23	BLUE PLANET: OCEANS AND CLIMATE
35	BLUE CARBON – THE ROLE OF OCEANS AS CARBON SINKS
45	THE WORLD'S OCEAN CARBON SINKS IN RAPID DECLINE
51	OCEANS' BLUE CARBON SINKS AND HUMAN WELLBEING
61	ECOSYSTEM BASED ADAPTATION AND MITIGATION
65	POLICY OPTIONS
70	GLOSSARY
72	ACRONYMS
73	CONTRIBUTORS
74	REFERENCES