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For immediate release

Underestimating the ocean: new evidence from IUCN highlights the carbon-regulating capacity of the ocean

Gland, Switzerland, 9 December 2014 – Protecting key carbon-absorbing areas of the ocean and conserving fish and krill stocks are critical for tackling climate change. This is one of the findings of a report released today by the International Union for Conservation of Nature (IUCN) in which top marine scientists describe how atmospheric carbon is captured, stored and moves in the ocean.

The report, *The Significance and Management of Natural Carbon Stores in the Open Ocean*, underlines the significant role of the open ocean in absorbing, moving and storing carbon and, for the first time, using the latest science, looks in detail at its role in climate regulation. Over half of all absorbed carbon emissions end up in the ocean. The report suggests poor ocean management practices are putting this vital ecosystem service at risk.

At the heart of this report is the new concept of ‘mobile carbon units’ – animals such as plankton, fish and krill, which provide an important service that must be addressed in ocean management. The report defines the critical role that the food chain plays in basic ocean processes, including those that regulate climate. It also warns that the role of the ocean in storing and managing carbon must now be factored into policy and decision making at all levels.

“The world is at a crossroads in terms of ocean health and climate change,” says the report’s **co-editor Dan Laffoley, Vice Chair, IUCN World Commission on Protected Areas**. “Neglect the ocean and wonder why our actions are not effective, or manage and restore the ocean to boost food security and reduce the impact of climate change. The choice should be an easy one.”

The ocean is already showing signs of stress, tending to more acidic conditions. It is also warming and holding less oxygen, which in turn is leading to dead zones.

“A sick ocean is one that loses its capacity to support planetary processes. As governments convene for

turtles and eels.

Link to full report: <https://portals.iucn.org/library/sites/library/files/documents/2014-049.pdf>

Link to summary of report: <https://portals.iucn.org/library/sites/library/files/documents/2014-049-Summ.pdf>

About IUCN

IUCN, International Union for Conservation of Nature, helps the world find pragmatic solutions to our most pressing environment and development challenges. IUCN's work focuses on valuing and conserving nature, ensuring effective and equitable governance of its use, and deploying nature-based solutions to global challenges in climate, food and development. IUCN supports scientific research, manages field projects all over the world, and brings governments, NGOs, the UN and companies together to develop policy, laws and best practice. IUCN is the world's oldest and largest global environmental organization, with more than 1,200 government and NGO Members and almost 11,000 volunteer experts in some 160 countries. IUCN's work is supported by over 1,000 staff in 45 offices and hundreds of partners in public, NGO and private sectors around the world.

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