

NEW DOCTORAL THESIS AT NANSEN ENVIRONMENTAL SENSING CENTER

Transformations of Arctic sea ice

Dr. Sara de la Rosá defended her doctoral dissertation titled "Temporal changes of sea ice affected by waves and thermal forcing" at the Nansen Center on 30 September. The motivation of the study is based on the fact that the summer Arctic sea ice conditions have changed during the last decades. The area cover has steadily decreased and much of the thick and old multi-year sea ice has also been fractionated and lost, leaving thousands of square kilometres of open and wave-exposed ocean areas where one would have found thick pack ice twenty years ago. Whether this tendency can be reversed or not in the future will depend on how much ocean water can re-freeze during each winter season and survive successive summers. The Thesis consists of 4 scientific papers. Two are published in international journals, while the other two are currently under review.

Transformation Sea Ice: www.nersc.no