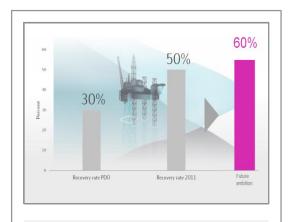




IOR Peregrino case: challenges and learnings

IOR roadmap



Solid resource portfolio -> world-class track record, high ambitions



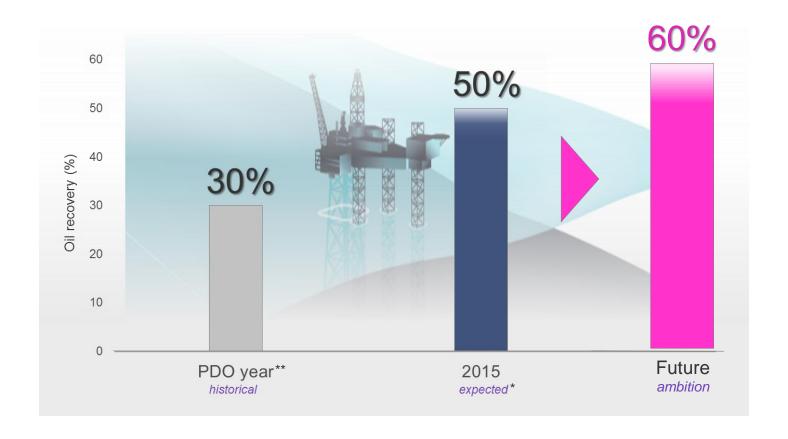
Technology portfolio -> 45 years experience, IOR toolbox



Hard focused work -> multidisciplinary collaboration



World-class recovery rates – NCS

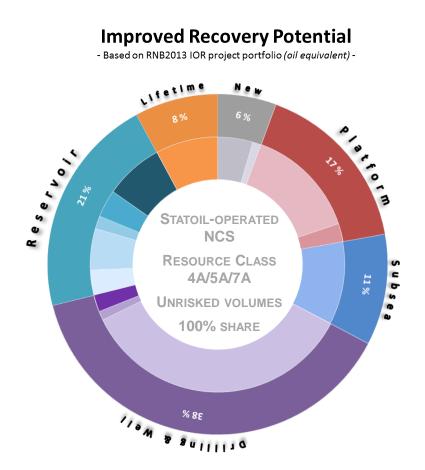


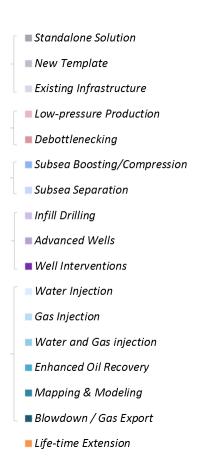
* Average oil recovery factor for Statoil's operated fields on the Norwegian Continental Shelf (NCS).

** PDO: Plan for Development & Operation



IOR toolbox







Collaboration | Subsurface +++

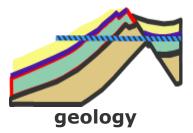
Offshore operations

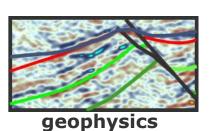
Drilling

HSE

Finance

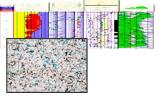
Management



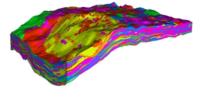








petrophysics



reservoir engineering



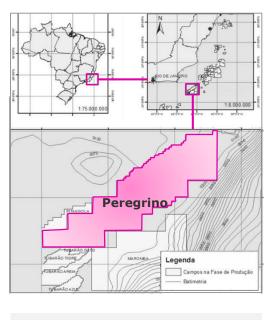




Peregrino case

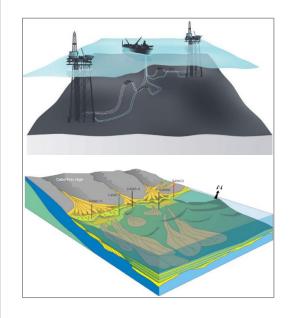
Peregrino in brief

Among the heaviest oil offshore Brazil!



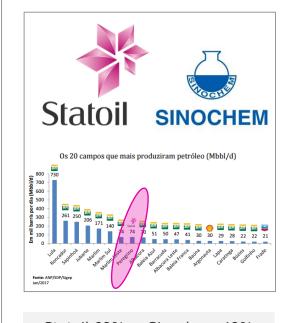
Campos Basin, 85km offshore Water depth: 120m Heavy oil (14°API / 130-400cP)

Large volumes in the ground!



2(+1) WHPs | 1 FPSO Sandstone reservoir In-place volume: 4054Mbbl

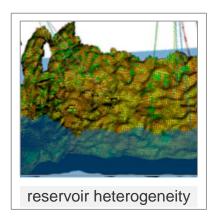
Among the best producing fields in Brazil!

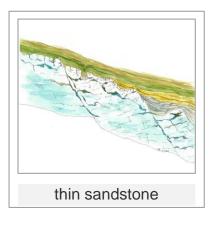


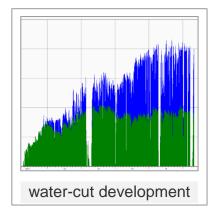
Statoil 60% + Sinochem 40% 1st oil: 2011 | Plateau: 2013 Cum prod. (Mar'17): 140Mbbl

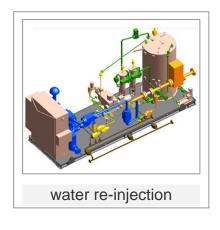


Peregrino's challenges



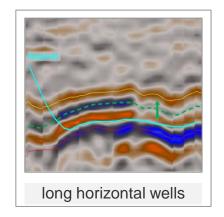








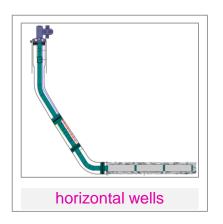


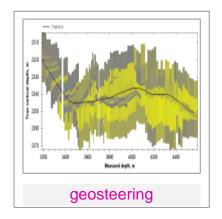




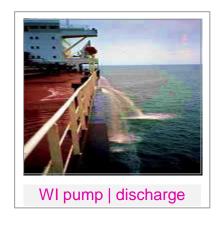


Peregrino's solutions















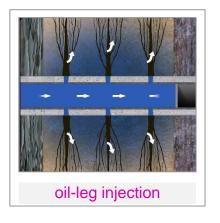




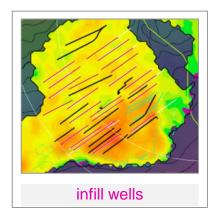
Peregrino's solutions









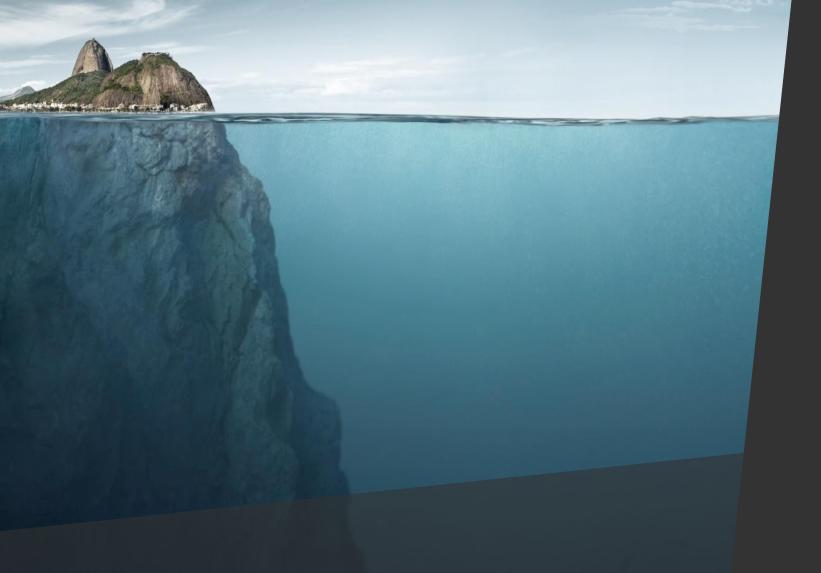














Closing the gap

Peregrino IOR

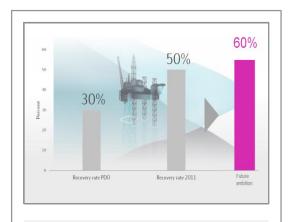
Peregrino IOR | Closing the gap

 How ANP and the brazilian government can help oil companies to better develop the oilfields?





IOR roadmap



Solid resource portfolio -> world-class track record, high ambitions



Technology portfolio -> 45 years experience, IOR toolbox



Hard focused work -> multidisciplinary collaboration



Acknowledgments

The author would like to thank the Peregrino Subsurface team

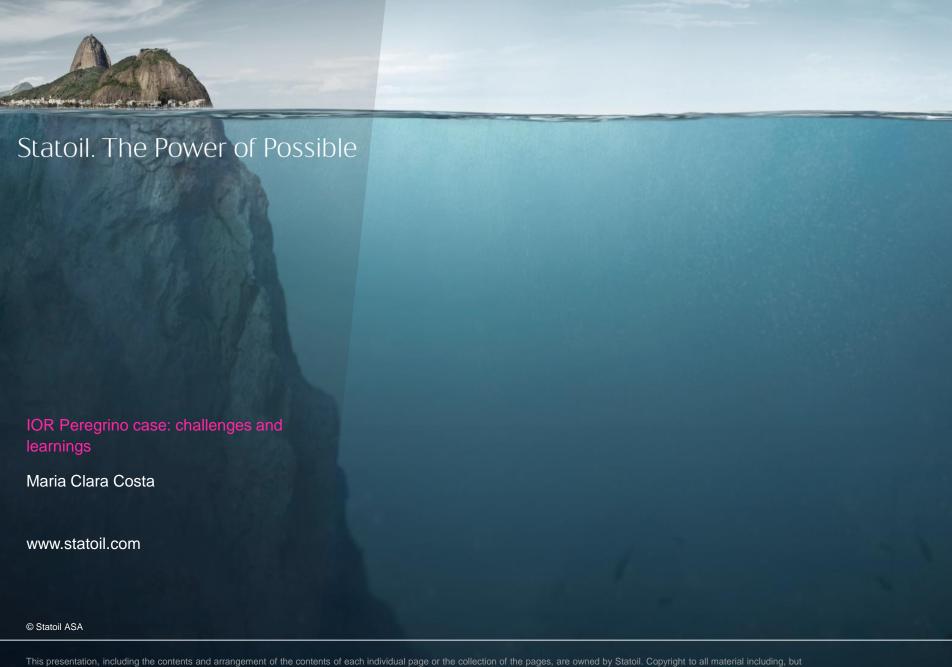
• Peregrino license owners:





• And also:





This presentation, including the contents and arrangement of the contents of each individual page or the collection of the pages, are owned by Statoil. Copyright to all material including, but not limited to, written material, photographs, drawings, images, tables and data remains the property of Statoil. All rights reserved. Any other kind of use, reproduction, translation, adaption, arrangement, any other alteration, distribution or storage of this presentation, in whole or in part, without the prior written permission of Statoil is prohibited. The information contained in this presentation may not be accurate, up to date or applicable to the circumstances of any particular case, despite our efforts. Statoil cannot accept any liability for any inaccuracies or omissions.