

DSV 2016 Seminars



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

DIPARTIMENTO DI
SCIENZE DELLA VITA

PhD Program in *Environmental Life Sciences*

Friday, 9 September 2016 11:00

Seminar room, I floor, Q Building

Stefano Mariani

University of Salford, UK

Host: Serena Fonda

A DNA 'HOURLGLASS' FOR MARINE BIODIVERSITY ASSESSMENT: FROM OCEAN TO PLATE, THEN BACK TO THE SEA

The use of DNA variation in describing the living world around us is one of the most significant breakthroughs in the history of science. Applications to biodiversity assessment and discovery are nearly limitless, and with rapidly increasing through-put, coupled with ever-decreasing costs, DNA identification is stepping into many applied arenas. Here I am using examples from my ongoing research, to take you through an hourglass-shaped journey, from the breadth of the ocean, into the narrow margins of our dinner plates, and back to probing oceanic communities with the help of a pipette and a desktop sequencer.

