

# Simone Vincenzi

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## Education

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February 2016 - Graduation from the Data Incubator  
March 2007 - PhD in Theoretical Ecology  
June 2003 - Master's Degree in Environmental Sciences

## Employment

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February 2013-: Research Scholar at the University of California Santa Cruz and the Southwest Fisheries Science Center (Santa Cruz, CA)  
June 2011-January 2013: Senior Fisheries Biologist, MRAG Americas, Capitola, CA, US  
April 2007-May 2011: Research Scholar, Department of Environmental Sciences, University of Parma (Italy)

## Research Accomplishments

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More than 40 papers published in peer-reviewed scientific journals, 30 of them as first-author in top biological journals, such as PLoS Computational Biology and Proceedings of the Royal Society Biological Sciences  
Winner of a 3-year (2013-2015) Marie Curie International Outgoing Fellow of the European Research Agency with > \$300,000 of funding, <15% success probability

## Main research projects

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Developed random-effects models of growth for longitudinal data that are much faster (model fitting time from hours to minutes) than the standard tools (JAGS/BUGS)  
Applied for the first time Random Forest algorithms that relate properties of the environment to species abundance to estimate the commercial potential of aquaculture  
Predicted the evolution of genetic traits in the presence of extreme climatic events using a mix of theoretical models and high-performance computing  
Co-supervised 3 Master's and 2 PhD students who successfully completed their studies

## Skills

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R, Python, Unix for data munging, development and fitting of statistical and machine learning models, simulations, and visualization

## Languages

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Fluent in English, Italian, Spanish