

MARKUS KARNER
Singapore Management University



Dr. Markus Karner is a native of Austria. He completed his MSc in Biology (minors: meteorology and geodynamics) at the University of Vienna. After his PhD studies in France he held postdoctoral positions at the University of Southern California in Los Angeles and at the University of Hawaii in Honolulu.

Dr. Karner studied the microbial degradation of organic matter and the abundance and activity of Archaea in the ocean. His oceanographic research on marine microbial ecology brought him to Mediterranean, Pacific Ocean, and Antarctic waters. He was awarded the U.S. National Science Foundation Medal for Services in Antarctica.

In 2001 Dr. Karner came to Singapore and founded Karner Consult Pte Ltd. He works as an independent academic, with both academic and private consulting activities.

Since 2005, Dr. Karner has also been teaching the following courses at Singapore Management University: 'Biological Models for Business Applications' (addressing ecology, evolution and complexity), 'Technology and World Change' and at the MBA-Level, 'International Management Simulation' (with Carnegie Mellon University, Pennsylvania) and 'World Environmental Issues'.

Research Interests

Dr. Karner is interested in pathways that generate and maintain diversity, e.g. through recombination, but also related to larger scale principles, e.g. maximum entropy production, and neutral theories. He is interested in generative phenomena, organic development broadly speaking, and in what aspects make a system stable - not just in biology but in human systems as well, including social aspects. Dr. Karner's research interests are interdisciplinary. He is interested in the relational aspects of phenomena, whatever their physical manifestations may be.

Dr. Karner is tri-lingual (English, German-native, and French). He lives with his family in Singapore.