

Candidate
Executive Council of the International Society for the Advancement of Emergy Research

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Education and Expertise

2002: MS degree in Environmental Science (specialization in Marine Environment) at the University of Genoa (Italy)

2002-2005: PhD in Marine Science at the University of Genoa

2007: Visiting scholar at the University of Maryland (Department of Environmental Science and Technology with D.R. Tilley)

Currently:

- Researcher in ecology at the the Department of Land, Environment and Life Science at the University of Genoa
- Associate Editor of the journal “Energy, Ecology and Environment”.
- Member of ISAER from its start

Research and Teaching

Sustainability indicators (e.g. based on Emergy evaluation, Ecological Footprint, Exergy analysis, etc.); application of thermodynamics and network oriented models to ecological and environmental systems; spatial statistics and habitat modelling.

Current courses taught: “Coastal Zone Management” and “Environmental evaluation”

Your Personal Vision Statement for the Emergy Society (ISAER)

In my mind the overall aims of the Emergy society have to be targeted to two main objectives:

- promotion of research on emergy and transformity for a complete and universal acceptance of emergy concepts and ideas in the scientific society. I believe that the huge work made to start and maintain the Emergy Society Database for Transformities and the National Environmental Accounting Database has to be encouraged and sustained by ISAER. This is crucial to boost the credibility of emergy and emergy practitioners and to build a common base for the emergy applications worldwide.
- dissemination of emergy and emergy-derived concepts to the public audience

It will be essential to keep going with the information sharing system that the society has kept working in the last years and to keep alive the biannual conferences to have a periodic meeting among experts to share, compare and boost ideas and projects. Moreover, a great effort has to be addressed in the involvement of institutions and policy makers to take into consideration emergy as a metric to help decision making process for territory and nations. Emergy researchers are scattered worldwide and if we get the opportunity to have emergy considered as a decision attribute by local governments I am sure it will soon demonstrate its usefulness. We are living a historical period of great changes and difficulties. The classical economy is showing its limits as never before. The un-limited growth paradigm is falling under its own weight. Different responses to the old questions are needed; emergy is able to respond with a different, scientifically rigorous point of view that is now needed more than ever.