

# FisMatEcol Boletín

Feb 2023

Dr. Oliver López Corona  
Dra. Elvia Ramírez Carrillo



Eventos

Únete a nosotros entre el 17 y  
20 de febrero, 2023

Cada febrero, participantes de todo el mundo se unen para  
observar, contar, y celebrar las aves.



Únete a nosotros entre el 17 y  
20 de febrero, 2023

Cada febrero, participantes de todo el mundo  
observan

Global Virtual Summit on  
**Environmental  
Health**

MAY 17-18, 2021 WEBINAR

**ENVIRONMENTAL EDUCATION IN A TIME OF ECO SYSTEMIC CRISIS**

<https://environmentalhealth.conferenceseries.com/>

[climatechange@eurorendezvous.org](mailto:climatechange@eurorendezvous.org)



# Danish Society OIKOS (OikosDK) Biannual Meeting



DIAS, Odense, 24 - 25 April 2023

## Research Symposium for Ecology and Evolution

OikosDK is the Danish section of the Nordic Society Oikos (NSO). The Biennial Meeting brings together researchers and managers in Ecology and Evolution from within Denmark as well as internationally. Join us at the Danish Institute of Advanced Study (DIAS) in Odense for a two-day program including

inspiring keynote talks

exciting contributions from participating researchers

the OikosDK general assembly

social events and opportunities to expand old & build new networks

## Signup

We strongly encourage especially young researchers to submit an abstract for a talk or a poster – we aim for our meeting to provide a friendly and supportive atmosphere for your first conference presentation. Experienced researchers are of course welcome to propose a presentation as well.

**Deadline for abstract submission is Wednesday, 15 March.** You can also sign up to participate without presenting – for details on the registration process, please see the [conference website](#).

## Participation fees

Researchers and others: DKK 700

Students (incl. PhD candidates): DKK 350



## Not a member of OikosDK and the Nordic Society Oikos yet?

Sign up [here](#) to get access to funding opportunities, newsletters, workshops and events, and to support ecological and evolutionary research in Denmark and across the Nordic countries.

We are looking forward to seeing you in Odense!

The OikosDK board





# TULIP

11<sup>th</sup> International  
**Summer School**

*Biological interactions  
from genes to ecosystems*

**July 1 to 7, 2023**

Apply on  
*labex-tulip.fr*

before March 15<sup>th</sup>

*Free accommodation and stay in the  
french Pyrénées are provided  
to all participants*



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Université  
de Toulouse  
Paul Sabatier

Université  
de Toulouse  
Paul Sabatier

UNIVERSITÉ  
TOULOUSE III  
PAUL SABATIER

INP  
Ensat  
L'Agrétois

# ESA for All Ecologists

The field of ecology has much to offer in addressing pressing ecological problems at all scales. Ecologists working in the private sector (e.g., as consultants, for industry, or in NGOs) and public sector (for resource management agencies or regulatory bodies) are the professionals most responsible for transferring ecological science to effectively manage, conserve, and restore species and ecosystems. The ESA annual meeting provides a tremendous opportunity to engage private- and public-sector ecologists with academic ecologists who generate the science; however, this opportunity has historically largely been missed due to a lack of programming that would attract non-academics. This year's theme seeks to help create an ESA for All Ecologists by providing programming and inviting sessions that better engage private- and public-sector ecologists by highlighting projects that are implementing ecological science, collaborating across sectors, educating future scientists and decision makers, and disseminating basic and applied ecology research to those who need it most.



February 23, 2023

Submission Deadline – Abstracts



Oportunidades



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## Visiting Assistant Professor of Biology, in Ecology

Below you will find the details for the position including any supplementary documentation and questions you should review before applying for the opening. To apply for the position, please click the **Apply for this Job** link/button.

If you would like to bookmark this position for later review, click on the **Bookmark** link. If you would like to print a copy of this position for your records, click on the **Print Preview** link.

**Bookmark this Posting | Print Preview | Apply for this Job**

### **Please see Special Instructions for more details.**

To apply, candidates should visit the online application site found at <https://jobs.oberlin.edu>. A complete application will be comprised of 1) a Cover Letter describing your teaching, scholarship, mentorship, and service, detailing any connections to supporting an inclusive learning environment; 2) a *Curriculum Vitae*; 3) an unofficial graduate transcript; 4) a statement on your teaching philosophy and expertise; 5) a statement of contributions to diversity, equity, inclusion, and belonging\*; 6) Letters of Reference from three recommenders.\*\* All application materials must be submitted electronically through Oberlin College and Conservatory's online application process at: <https://jobs.oberlin.edu/>

*\*Examples of our commitment to diversity are available at <https://www.oberlininclusiveexcellence.org/>. For a guide to writing this statement, please visit [https://drive.google.com/file/d/1czL\\_10nAvMQf9ZfzwB8xKH-\\_As3GmZo1/view?usp=sharing](https://drive.google.com/file/d/1czL_10nAvMQf9ZfzwB8xKH-_As3GmZo1/view?usp=sharing)*

*\*\*By providing three letters of reference, you agree that we may contact your letter writers.*

Review of applications will begin on **February 20, 2023**, and will continue until the position is filled. Completed applications received by the Feb. 20 deadline will be guaranteed full consideration.

Questions about the position can be addressed to Mike Moore, Chair of Biology, at [mmoore@oberlin.edu](mailto:mmoore@oberlin.edu) or 440-775-6876.

VACATURE >

# Three PhDs for SoilProS project

TERRESTRIAL ECOLOGY

Conceptos

# Antifragilidad

## Antifragile software development



"Once we're thrown off our habitual paths,  
we think all is lost,  
but it's only here that the new and the good begins."



Leo Tolstoy

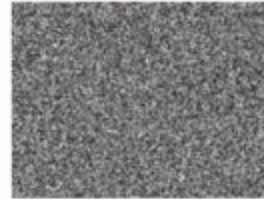
## Creativity Serendipity



High Impact Paper

Low Impact Paper

## Noise



Kahneman, D., Krakauer, D. C., Sibony, O., Sunstein, C., & Wolpert, D. (2022). An exchange of letters on the role of noise in collective intelligence. *Collective Intelligence*, 1(1).



# Ecobiontes

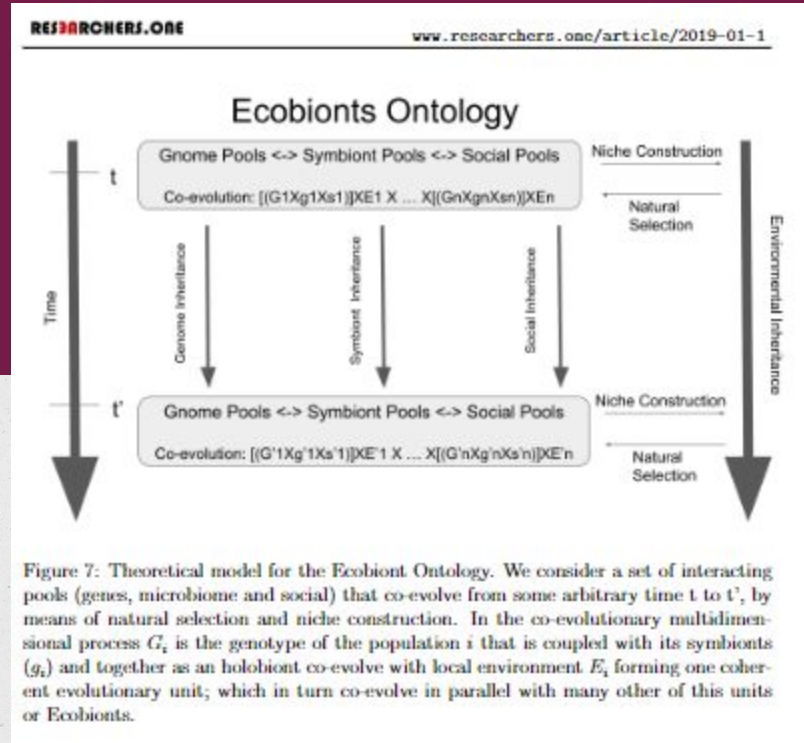


Figure 7: Theoretical model for the Ecobiont Ontology. We consider a set of interacting pools (genes, microbiome and social) that co-evolve from some arbitrary time  $t$  to  $t'$ , by means of natural selection and niche construction. In the co-evolutionary multidimensional process  $G_i$  is the genotype of the population  $i$  that is coupled with its symbionts ( $g_i$ ) and together as an holobiont co-evolve with local environment  $E_i$  forming one coherent evolutionary unit, which in turn co-evolve in parallel with many other of this units or Ecobiontes.

# Bosque Zombie



Cursos

4

# Complejidad en Ecología, que nos puede decir la física sobre la salud de los ecosistemas.

Posgrado, 2021

Dr. Oliver López Corona, Cátedras CONACyT-CONABIO  
Investigador Asociado C3-UNAM

TEMAS SELECTOS: COMPLEJIDAD EN ECOLOGIA, QUE NOS PUEDE DECIR LA FISICA SOBRE LA SALUD DE LOS ECOSISTEMAS

ENTIDAD	ASIG	GPO	CUPO	PROFESORES	CORREO ELECTRÓNICO
3	4199	4199		DR. OLIVER XAVIER LOPEZ CORONA	lopezoliverx@otrasenda.org
	75670	T372		DRA. ELVIA MARIA RAMIREZ CARRILLO	elviarc@gmail.com

HORARIO

Lu y Mi de 10 a 12 hrs en línea IIMAS UNAM

CAMPO DE CONOCIMIENTO:

BEV

BEX

BIO

ECO

X

MIE

SIS

[DESCARGA PROGRAMA](#)

REQUISITOS:

Antes de hacer la inscripción formalmente en SAEP, deberá confirmar con el profesor su lugar, así como los detalles de impartición del curso.

OBSERVACIONES:



# Eureka, curso de física para todos



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Cultura



**DO NOT  
DO A  
PhD!**

**For these 6  
unspoken reasons**

## Música y biodiversidad





Artículo

## Supernova Rates and Burial of Organic Matter

Henrik Svensmark 

First published: 05 January 2022 | <https://doi.org/10.1029/2021GL096376> | Citations: 2

 SECTIONS



PDF



TOOLS



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### Abstract

Life on Earth appears to have evolved under the influence of supernovae activity in the solar neighborhood. Supernovae frequency regulates the flux of cosmic ray particles arriving at the top of the Earth's atmosphere, where empirical evidence supports a close connection between cosmic rays, clouds, and climate. Burial of organic matter in marine sediments follows cosmic rays variations for more than 3.5 Gyr and in detail during the last 500 Myr. The supernovae link to the burial of organic matter may be due to climate-induced changes in the atmospheric and oceanic circulation affecting the availability of nutrients and the bioproductivity in the oceans. A higher bioproductivity then leads to a more extensive burial of organic matter. Support for this scenario comes from a proxy of nutrient concentrations in the ocean which covaries with the supernovae frequency. The results suggest a fundamental connection between supernovae rates and life on Earth.

Videos

COLLOQUIUM

Centro de Ciencias de la Complejidad



VIRTUAL COMPLEXITY AT C3-UNAM

UNIVERSITIES FOR SCIENCE CONSORTIUM

# Complexity Science

From philosophical foundations to  
applications in climate and social science

**Karoline Wiesner**

University of Potsdam & Complexity Science Hub Vienna

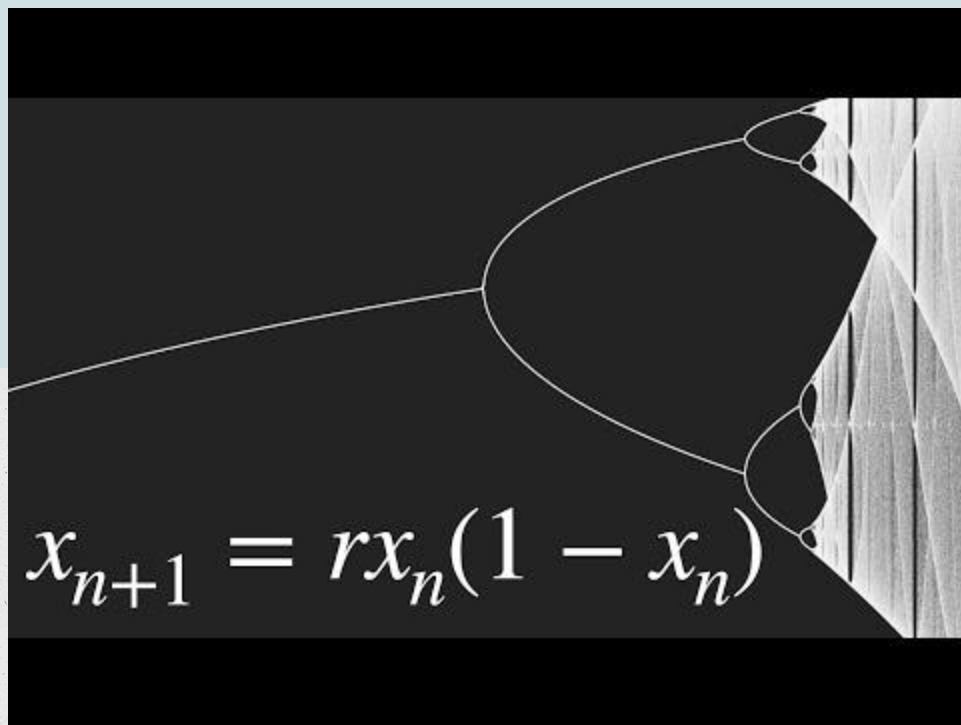


Thursday, April 29, 2021

Contact: [cgg@unam.mx](mailto:cgg@unam.mx)





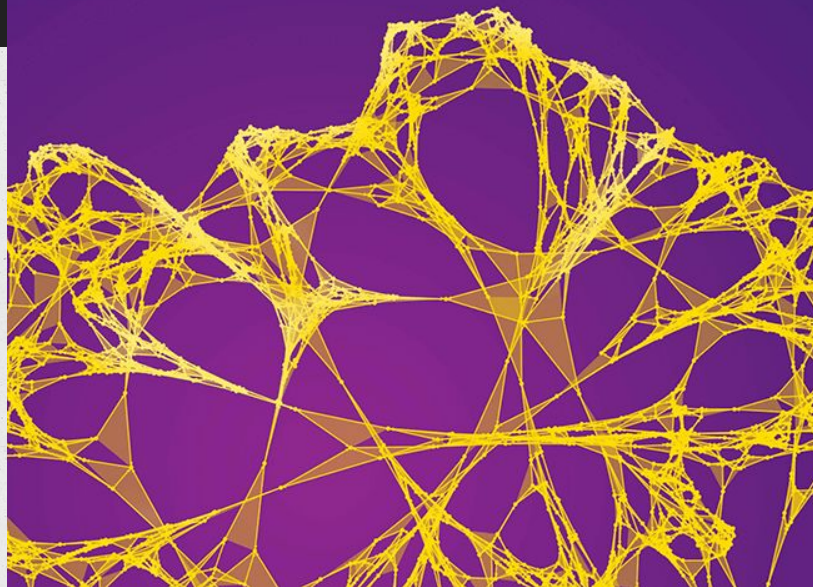


Libros

A PROJECT TO FIND  
THE FUNDAMENTAL  
THEORY OF PHYSICS


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STEPHEN WOLFRAM



Notas



The image shows two fossilized fish preserved in a rock matrix. The fish are dark grey or black, with their bodies and fins clearly visible against the lighter, tan-colored rock. They are positioned side-by-side, facing each other. The text is overlaid on the lower portion of the image.

Ecology

## **Fossil discovery reveals complex ecosystems existed on Earth much earlier than previously thought**

About 250 million years ago, the Permian-Triassic mass extinction killed over 80% of the planet's species. In the aftermath, scientists believe that life on Earth was dominated by simple species for up to 10 million years ...

150 años de la unificación de la electricidad,  
magnetismo y óptica.



elpais.com

**150 años de la unificación de las fuerzas eléctrica y magnética**

El físico-matemático James Clerk Maxwell propuso su teoría unificadora en el 'Tratado sobre electricidad y magnetismo', publicada en 1873



World Health Network  
**THE WHN BROADCAST**

THE BROADCAST WILL BEGIN SHORTLY