



Magic

Middleware for collaborative Applications
and Global virtual Communities



GSC-Environment: desde lo local hasta lo global



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Universidad de Guadalajara

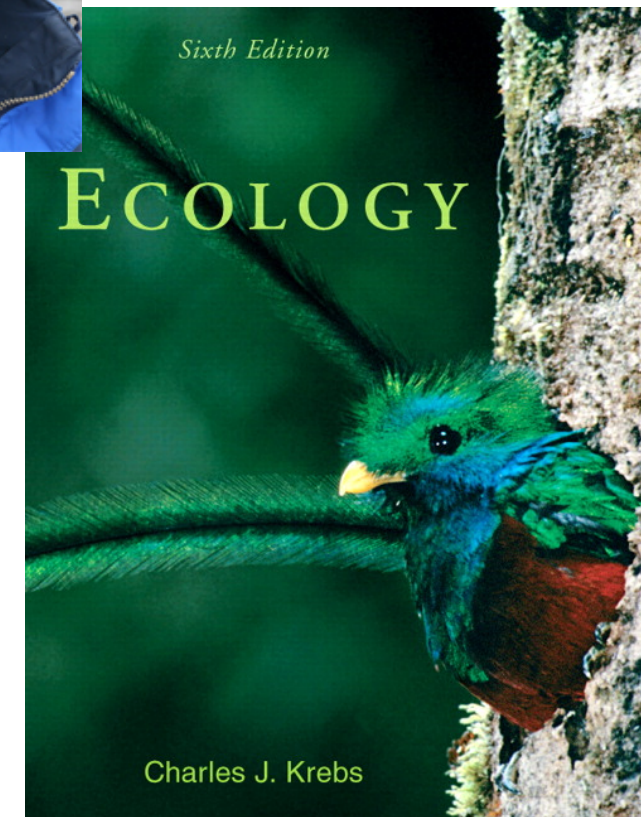
¿Qué es la Ecología?



En 1972, Charles J. Krebs define a la Ecología como “el estudio científico de las interacciones que determinan la distribución y abundancia de los organismos”.



¿Cuáles interacciones?



Interacciones entre los organismos y su "ambiente" ...

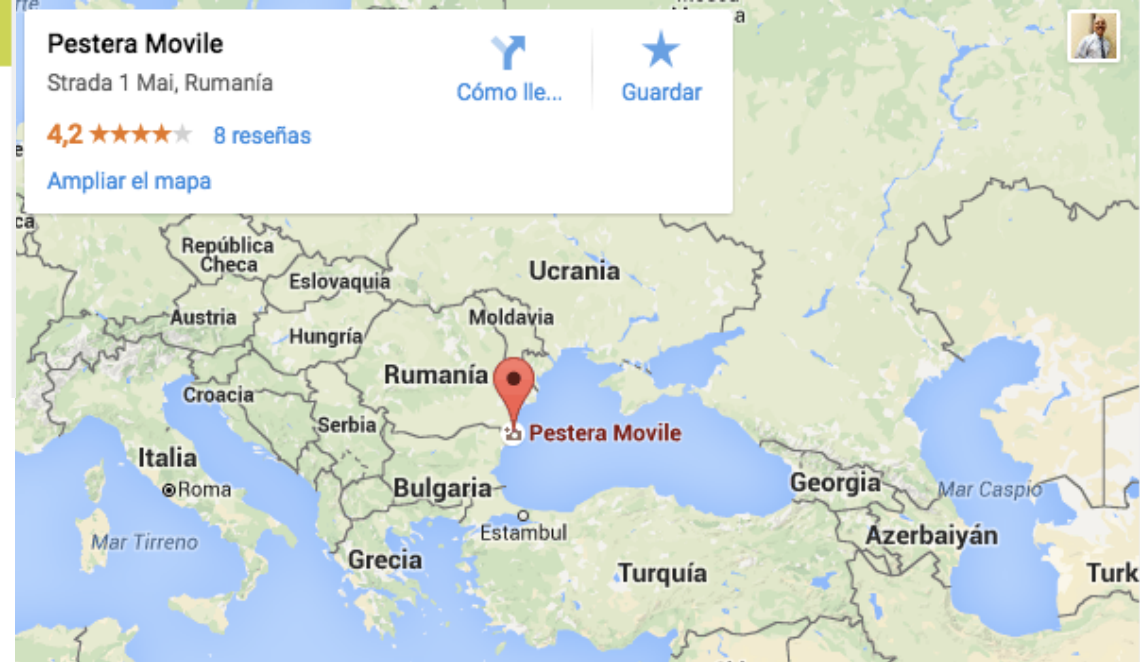
Todos aquellos factores y fenómenos fuera del organismo que influyen sobre él, ya sean físicos o químicos (**abióticos**) u otros organismos (**bióticos**).

¿Qué es ambiente?



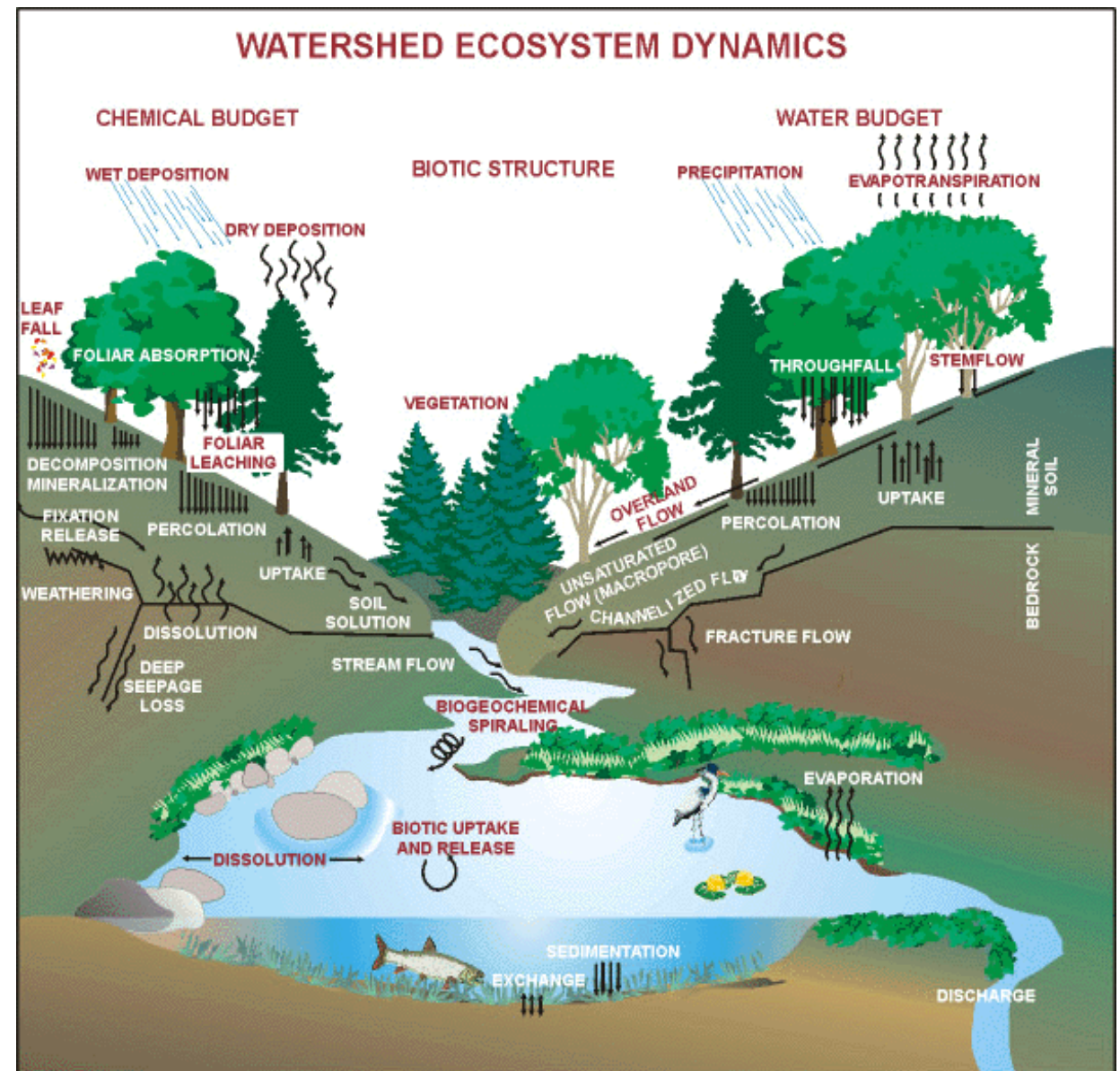
Here's What Scientists Found When They Opened A Cave That Had Been Isolated For More Than Five Million Years

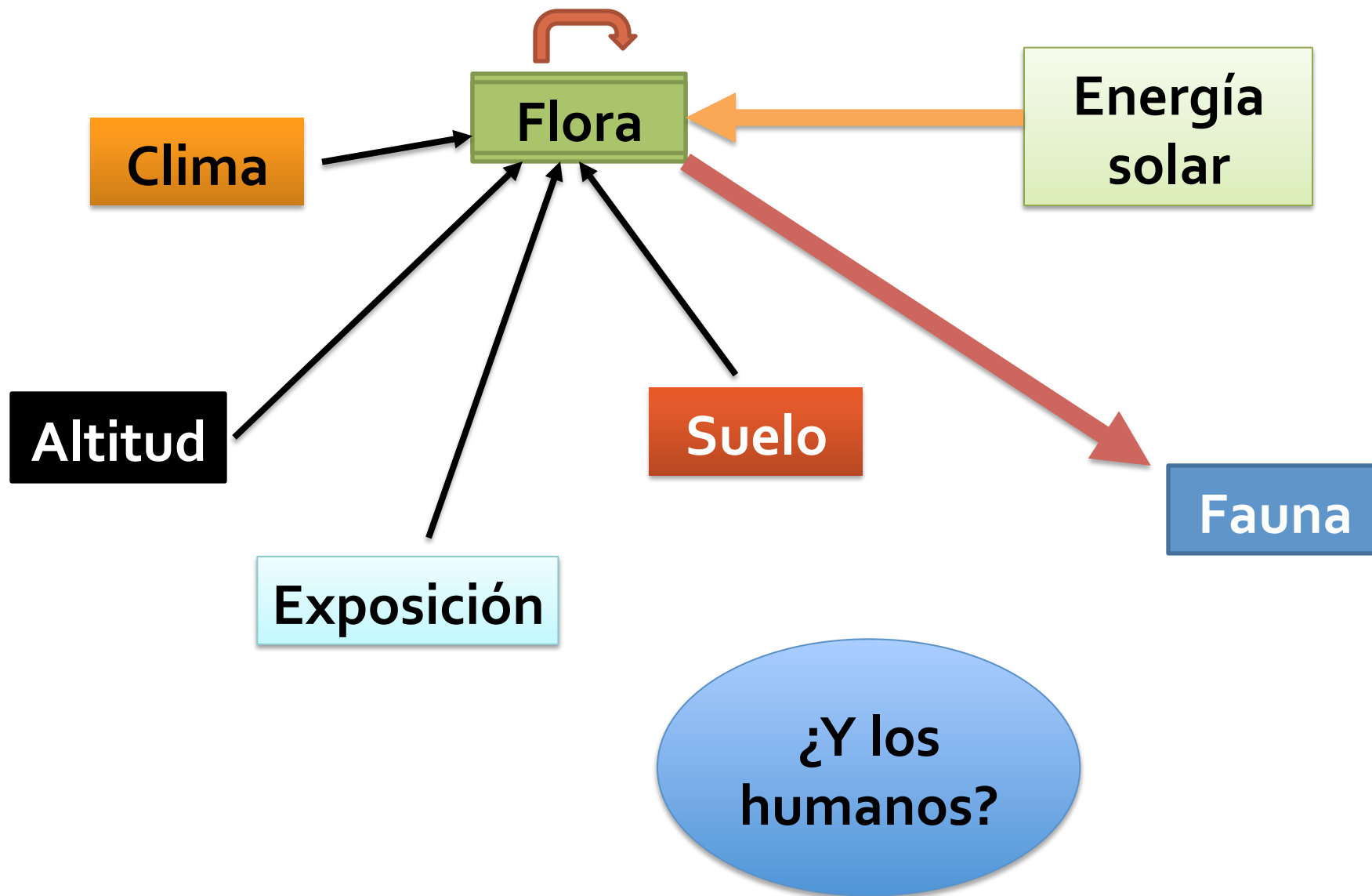
May 23, 2016 | by Tom Hale



Además, la Ecología también estudia las rutas que siguen la materia y la energía mientras se “mueven” entre los elementos “vivos” y no vivos” de una categoría de organización conocida como

Ecosistema





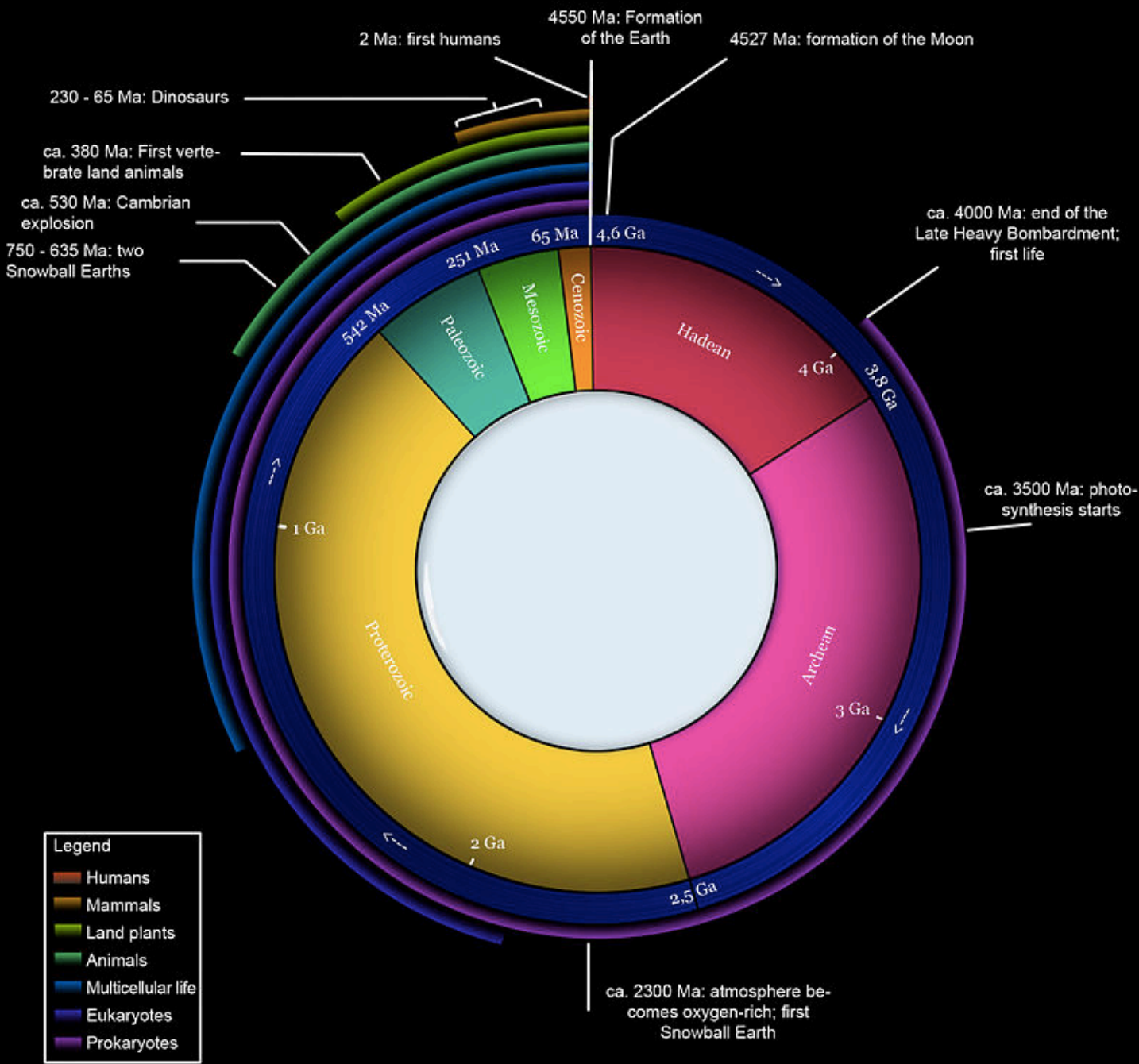
Históricamente, los humanos tuvieron un papel menor en el manejo de los flujos de materia en los ecosistemas y en la transformación del paisaje.



Hoy esto ya no es así. Los humanos nos hemos convertido en una especie "clave", un agente de transformación ecosistémica a nivel planetario al perturbar todos sus componentes.

The shape of things to come








En el pasado, las alteraciones antrópicas fueron menores y más espaciadas, y la influencia humana no revistió mayor importancia.

Ahora, las perturbaciones ocurren a gran escala en todas partes y en todos los componentes del ecosistema Tierra.

Han dejado de ser independientes entre sí y pasado a formar parte de un solo gran fenómeno de escala planetaria.





Uso y
manejo
inadecuado
de recursos
naturales

Pérdida de
ecosistemas y
diversidad
biológica

Cambio
climático y
calentamiento
global

Agujeros en la
capa de
Ozono y
radiación UV

Deforestación
y acidificación
de suelos

Global warming: Causes and effects

Earth's temperature has risen about 1 degree Fahrenheit in the last century. The past 50 years of warming has been attributed to human activity.

Burning fuels such as coal, natural gas and oil produces greenhouse gases in excessive amounts.

Greenhouse gases are emissions that rise into the atmosphere and trap the sun's energy, keeping heat from escaping.

The United States was responsible for 20 percent of the global greenhouse gases emitted in 1997.

Most of the world's emissions are attributed to the United States' large-scale use of fuels in vehicles and factories.

During the past 100 years global sea levels have risen 4 to 8 inches.

Some predictions for local changes include increasingly hot summers and intense thunderstorms.



Damaging storms, droughts and related weather phenomena cause an increase in economic and health problems. Warmer weather provides breeding grounds for insects such as malaria-carrying mosquitoes.

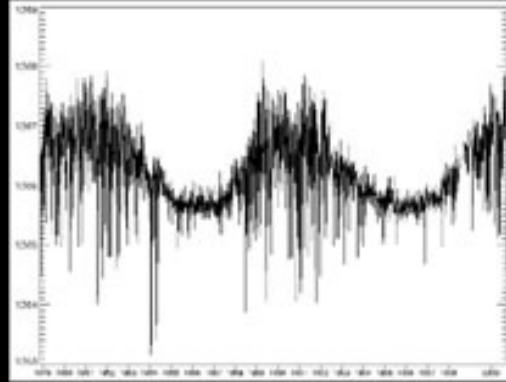


El **CAMBIO GLOBAL** se refiere a todos los cambios que se están produciendo en forma más o menos simultánea en todo el planeta, tales como:

- Aumento de la población humana y su presencia en toda la biosfera,
- Cambios en el uso de la superficie y atmosfera planetarias,
- Alteraciones en los flujos de sustancias y elementos químicos,
- Aumento en las concentraciones urbanas.



Variación de la actividad solar

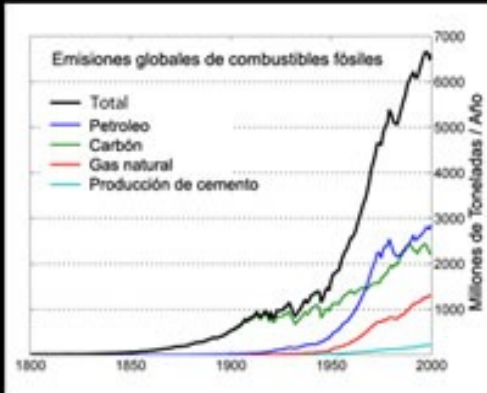


Variaciones orbitales

Impactos meteoríticos

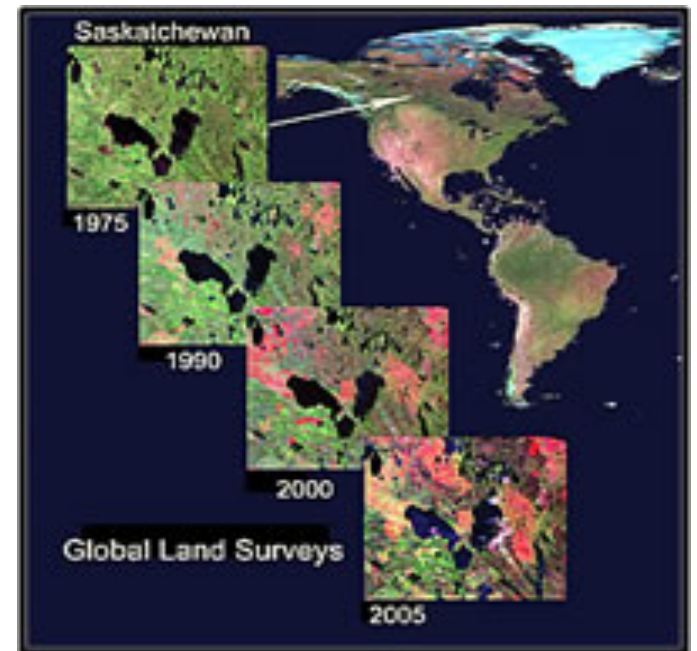


Indicadores de actividad industrial



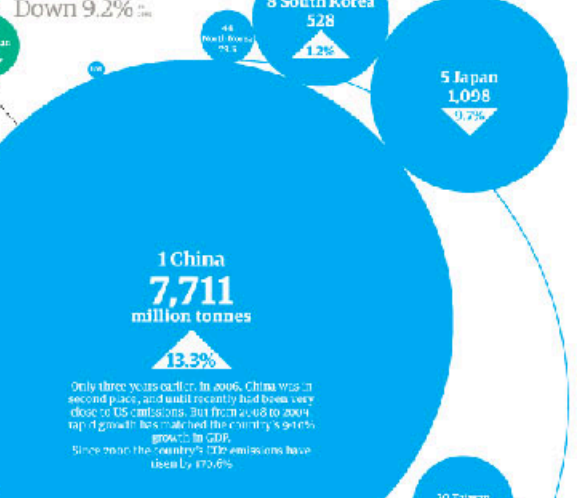
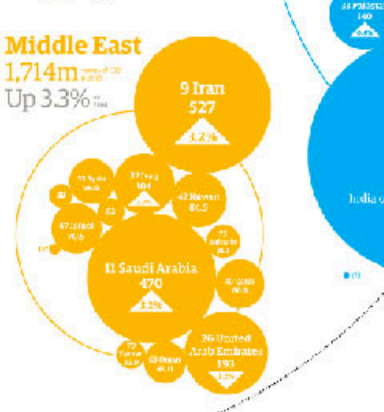
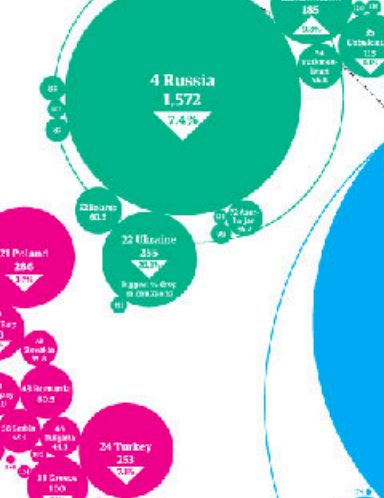
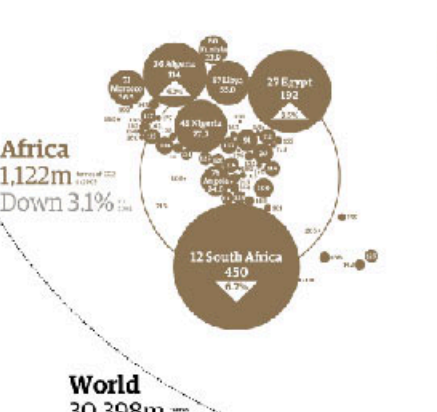
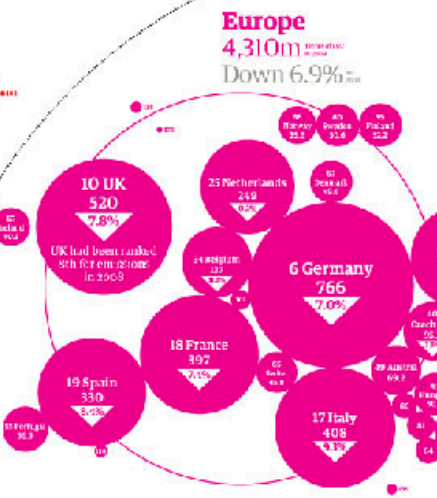
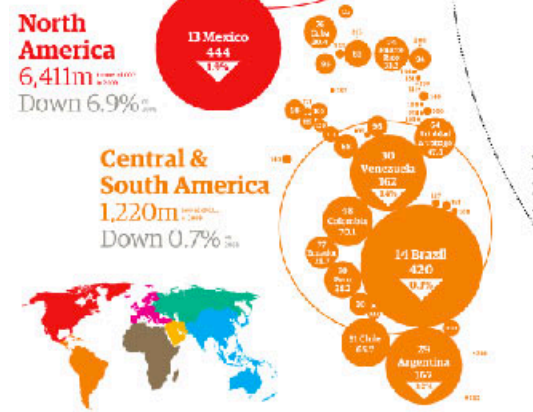
Calentamiento global

Estas diferencias ambientales podrán llevar a pensar que se trata de un conjunto de problemas separados, sólo nacionales o regionales, pero con ello se negaría la globalidad de las transformaciones, lo cual dificultaría su comprensión y eventual solución.



An atlas of pollution: the world in carbon dioxide emissions

Latest data published by the US Energy Information Administration provides a unique picture of economic growth - and decline. China has sped ahead of the US, as shown by this map, which resizes each country according to CO₂ emissions. And, for the first time, world emissions have gone down.



Detailed data
Full list of each country's CO₂ emissions and movement in the world emissions league table

Rank	Country	2012 Emissions (m tonnes)	2011 Emissions (m tonnes)	% Change
1	China	7,711	7,255	+6.3%
2	US	5,425	5,810	-6.5%
3	India	1,602	1,504	+6.5%
4	Russia	1,572	1,654	-5.0%
5	Japan	1,098	1,124	-2.3%
6	Germany	766	825	-7.1%
7	Canada	541	575	-5.9%
8	South Korea	528	533	-1.0%
9	Iran	527	514	+2.5%
10	UK	520	528	-1.5%
11	Saudi Arabia	490	496	-1.2%
12	South Africa	450	467	-4.1%
13	Mexico	444	475	-6.5%
14	Brazil	420	424	-1.0%
15	Australia	416	427	-2.6%
16	Indonesia	413	418	-1.2%
17	Italy	408	414	-1.5%
18	France	397	403	-1.5%
19	Spain	350	354	-1.1%
20	Taiwan	291	295	-1.4%
21	Thailand	253	257	-1.6%
22	Malaysia	243	247	-1.6%
23	Netherlands	249	253	-1.6%
24	Turkey	253	257	-1.6%
25	Poland	266	270	-1.5%
26	Algeria	212	216	-1.9%
27	Egypt	192	196	-2.0%
28	Argentina	189	193	-2.1%
29	China (incl. HK, Macao)	185	189	-2.1%
30	Venezuela	182	186	-2.2%
31	Iran (incl. oil products)	182	186	-2.2%
32	Belgium	180	184	-2.2%
33	Italy (incl. EU)	180	184	-2.2%
34	Spain (incl. EU)	180	184	-2.2%
35	South Korea (incl. EU)	180	184	-2.2%
36	Canada (incl. EU)	180	184	-2.2%
37	UK (incl. EU)	180	184	-2.2%
38	France (incl. EU)	180	184	-2.2%
39	Germany (incl. EU)	180	184	-2.2%
40	Japan (incl. EU)	180	184	-2.2%
41	US (incl. EU)	180	184	-2.2%
42	China (incl. EU)	180	184	-2.2%
43	India (incl. EU)	180	184	-2.2%
44	Russia (incl. EU)	180	184	-2.2%
45	Japan (incl. EU)	180	184	-2.2%
46	Germany (incl. EU)	180	184	-2.2%
47	France (incl. EU)	180	184	-2.2%
48	UK (incl. EU)	180	184	-2.2%
49	Canada (incl. EU)	180	184	-2.2%
50	US (incl. EU)	180	184	-2.2%

Source: EIA's International Energy Review, 2013. Data as of 2012. © 2013 EIA. All rights reserved.



Saving Our Shared Birds

- Inicio
- Who We Are
- PIF Anniversary Video
- Contenido
- Sala de Prensa
- Colaboradores
- Prólogo
- Perspectiva General
- Un Continente de Aves
- Un Continente de Gente
- Evaluación de Prioridades

Conservando a nuestras aves compartidas

Español Share

La visión trinacional de Compañeros en Vuelo para la conservación de las aves terrestres

"Nuestras tres naciones Canadá, México y la parte continental de los Estados Unidos, son el hogar de más de 1,150 especies de aves, de las cuales 882 son especies terrestres nativas. Conservar las aves compartidas de América del Norte requiere de compromisos de cooperación internacional en una perspectiva de escala continental."

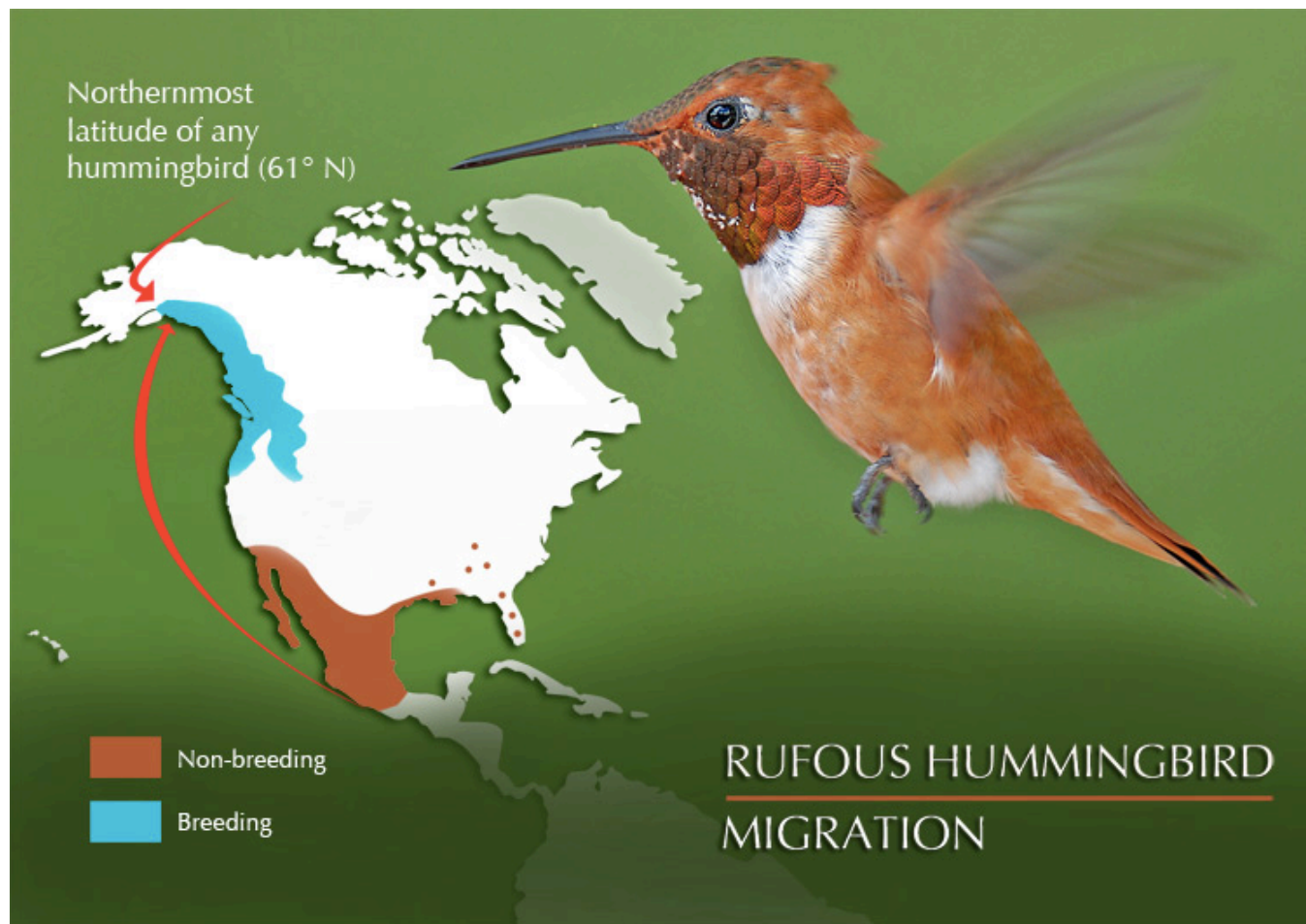
[Descargue el informe completo \(PDF\)](#)

[Comunicado de Prensa](#)



Conservando a nuestras aves compartidas:
La visión trinacional de Compañeros en Vuelo para la conservación de las aves terrestres

Portada: Zumbador rufo por Glen Tepke (pbase.com/gtepke)





Magic

Hidden Collaborative Applications
and Smart Communities





MAGIC GSC + champions

e-Health

Thematic Leader: Luiz Ary Messina, National Coordinator of RUTE (Rede Universitária de Telemedicina), Brazil.

Biodiversity

Thematic Leader: José Ramón Martínez, Professor and researcher of the Universidad Autónoma de Santo Domingo (UASD), Dominican Republic.

Environment

Thematic Leader: Dr David C. Smith, Coordinator, Institute for Sustainable Development, The UWI, University of the West Indies, Jamaica.

Remote Instrumentation

Thematic Leader: Patricia Santiago, Associate Professor Physics Institute, Universidad Autónoma de México (UNAM), Mexico.



COLABORATORIO



GSC Biodiversity

MAGIC Global Science Community devoted to share knowledge ar

31 Miembros



GSC Environment

MAGIC Global Science Community devoted to share knowledge ar

28 Miembros



Global Science Community on Biodiversity | Experiences from around the world

5 de mayo de 2016
GMT timezone

> Home

> How to participate

13:30 - 14:00 GMT | Connection settings

14:00 - 14:05 GMT | Welcome – Tania Altamirano, RedCLARA

14:05 - 14:10 GMT | Conference Introduction - Tiwonge Banda, UbuntuNET Alliance

14:10 - 14:15 GMT | Introduction of Presenters Moderated by Colleen Wint, CKLNA

14:15 - 14:30 GMT | BioDialog Project: Activities & Outcomes at Ain Shams University

Dr. Ibrahim Fathy Moawad

- Associate Professor at the Faculty of Computer and Information Sciences, Ain Shams University, Egypt

14:30 - 14:50 GMT | Brazil's Virtual Herbarium: Outputs, Outcomes, and Challenges

Dora Canhos, Associate Director of CRIA - Centro de Referência em Informação Ambiental (Reference Center on Environmental Information), Brazil

14:50 - 15:10 GMT | CANARI: Bridging gaps

Keisha Sandy - Caribbean Natural Resources Institute, CANARI (Trinidad & Tobago)

15:10 - 15:30 GMT | Status Report of Biodiversity in Dominican Republic

José Manuel Mateo, Director of Biodiversity, Ministry of Environment and Natural Resources Dominican Republic

15:30 - 15:50 GMT | Discussion/ Questions and comments/ Next Steps Moderated by Dr. José Ramón Martínez Batlle (Ph.D), Profesor Universidad Autónoma de Santo Domingo (UASD)



Starts 05/05/2016 14:00
Ends 05/05/2016 16:30
GMT



Altamirano López, Tania
Banda, Tiwonge



• Hours are presented in

Global Science Community on Biodiversity Experiences from around the world

Let's share our experiences and learn from the experts!

Come and participate with us!

May 5 - 14:00 UTC

Through VC Espresso (desktop videoconference system)

Just connect through this link:

<http://vcespresso.redclara.net/vc/biodiversity>

For more information please go to:

<https://eventos.redclara.net/indico/event/661/overview>



Magic



MAGIC a global connection

4 h · 🌐

eduroam celebrates one billion roaming authentications: It's not often you celebrate a billionth "birthday" so to be able to celebrate two at the same time must be pretty rare. On 17 May 2016, eduroam clocked up two amazing milestones – registering both one billion roaming authentications (either in-country or international) since the beginning of the year and the one billionth international authentication (when users are connecting from outside their home country) since the service was launched.

 <p>Magic Middleware for co and Global virtual</p>	<h3>eduroam celebrates one billion roaming authentications</h3> <p>It's not often you celebrate a billionth "birthday" so to be able to celebrate two at the same time must be pretty rare. On 17 May 2016, eduroam clocked up...</p> <p>WWW.MAGIC-PROJECT.EU DE LUIZ ALBERTO RASS...</p>
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¡¡GRACIAS!!



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