Mal otra vez: 50 años de predicciones eco-apocalíticas fallidas

De Malthus a Greta Thunberg: mitos y realidades de las profecías climáticas

La apocalíptica comparecencia de Greta Thunberg ante la ONU ha vuelto a poner de manifiesto el marcado tono alarmista del activismo climático escorado a la izquierda. En este sentido, podría decirse que la intervención de la joven sueca no supone ninguna novedad: las predicciones climáticas apocalípticas <u>llevan sucediéndose cientos de años</u> y han sido especialmente recurrentes <u>durante el último medio siglo</u>.

Quizá la raíz de este pensamiento está en algunos escritos de Confucio (siglo VI AC) o Platón y Aristóteles (siglo IV AC), pero en clave moderna merece la pena empezar por Thomas Malthus, que desarrolla su obra entre la segunda mitad del siglo XVIII y la primera mitad del siglo XIX. Sus escritos mostraban un gran pesimismo sobre la capacidad de proveer a una población creciente de alimentos, ropa, vivienda o energía, especialmente porque Malthus creía que el deterioro medioambiental sería tan pronunciado que terminaría derivando en hambrunas varias.

En noviembre de 1967, el biólogo Paul Ehrlich anunció un colapso global que, según sus cálculos, ocurriría antes de 1975. Entre sus predicciones estaba un aumento exponencial de las hambrunas que no solo afectaría al mundo pobre, sino también a países ricos como Estados Unidos. Dos años después, Ehrlich insistía en que "el problema de fondo es que, si seguimos esperando a convencer a todo el mundo de que este problema es real, acabaremos muertos todos". La solución preferida de Ehrlich era la esterilización y el control de población a escala global. Pero el tiempo ha puesto de manifiesto la falsedad de estas premisas: la producción de alimentos se ha multiplicado y la población ha crecido exponencialmente, pero las hambrunas se han reducido y la tasa mundial de pobreza ha caído de manera muy pronunciada, hasta situarse por debajo del 10%.

En 1970, el científico James P. Lodge recibió una amplia cobertura mediática cuando afirmó que "la polución del aire puede acabar con el sol y causar una nueva del hielo a comienzos del siglo XXI". Otra figura clave fue la de S. I. Rasool, de la Universidad de Columbia, que también suscribía la tesis del enfriamiento y anunciaba para 2020 un desplome de la temperatura global de más de seis grados centígrados. Algo similar afirmaba la Universidad de Brown, que en 1972 envió un informe a la Casa Blanca para alertar de un colapso climático y socioeconómico inminente. También la revista TIEM alertaba de la llegada de una nueva edad de hielo, apoyándose en pensadores como George J. Kukla. Huelga decir que, lejos de haberse producido el enfriamiento que anticipaban estos científicos, hoy

se registran temperaturas ligeramente superiores a las de los años 70 (alrededor de 0,2 grados centígrados más, según los datos de la NASA). Mientras la tesis del enfriamiento ganaba adeptos, Paul Ehrlich seguía siendo el alarmista climático de referencia y ese mismo año anunciaba que Estados Unidos tendría que racionar el consumo de agua y alimentos a lo largo de los años 70. En paralelo, el biólogo de Stanford anunciaba "la muerte de los océanos en menos de una década". Nada de esto sucedió en los años 80, de modo que el alarmismo climático fue girando a otros temas de debate.

Así, a mediados de los años 70 vemos que la preocupación del movimiento giró a la capa de ozono. El profesor T. M. Donahue, de la Universidad de Michigan, compareció ante el Congreso para afirmar que nada se podría hacer para prevenir el ensanchamiento del agujero de dicha capa, pero la evidencia presentada recientemente por la NASA muestra que dicha superficie se ha reducido progresivamente desde mediados de los años 90. De igual modo, en los años 80 ocurre algo parecido con la lluvia ácida, hasta el punto de que los gobiernos de Estados Unidos y Canadá se comprometieron a estudiar la incidencia de dicho fenómeno en los bosques de Norteamérica. Sin embargo, tras una década de estudio y una inversión pública de 540 millones de dólares, la élite científica estadounidense terminó comprobando que el alcance del problema era mucho más limitado de lo que se había afirmado.

Un científico de la NASA, James Hansen, tomó el testigo a finales de los años 80, anticipando una generalización de las sequías en Estados Unidos. Desde entonces, las precipitaciones se han comportado con normalidad y, de hecho, han experimentado un aumento del 30%, tomando de nuevo los promedios de épocas anteriores y dejando atrás la caída que se había observado de manera puntual en los años en que Hansen popularizó sus tesis apocalípticas. Algunos años después, Hansen alertó de un súbito aumento de las temperaturas extremadamente cálidas en suelo estadounidense, apuntando por ejemplo que Washington viviría 85 días al año con más de 32 grados centígrados, frente a los 35 días al año que arrojaba el promedio histórico. No obstante, la serie muestra una tendencia descendente, hasta el punto de que hoy se registran 25 días al año con estos niveles de temperatura.

Hussein Shibab declaró en 1988 que islas como las Maldivas terminarían sumergidas en 2020. Noel Brown, del Programa Medioambiental de la ONU, fue más allá en 1989 y sugirió que algo parecido podría ocurrir en Bangladesh o Egipto a comienzos del siglo XXI. Algo parecido defendió James Hansen, que volvió a la palestra para afirmar que parte de Nueva York estaría bajo el agua en 2010 o 2020.

El alarmismo climático no terminó ahí. En los años 90 siguieron produciéndose predicciones apocalípticas, mientras que en la primera década del siglo XXI se popularizaron las tesis de Al Gore, exvicepresidente de Estados Unidos que produjo el derretimiento de la capa de hielo del Polo Norte en 2018, previsión que luego revisó para anunciar que tal evento se produciría en 2014.

El discurso de Greta Thunberg

Más recientemente, Greta Thunberg se ha convertido en el referente del alarmismo climático. Su comparecencia en la ONU es solo la gota que colma el vaso, puesto que la joven activista sueca lleva ya más de un año ausentándose del colegio y participando como invitada en foros, cumbres y parlamentos europeos. En su caso, la sombra de la sospecha gira en torno a los intereses que rodean su "campaña por el planeta", puesto que diversas investigaciones han puesto de manifiesto los vínculos entre Thunberg y la industria "verde".

En el caso de Thunberg, el grueso de su discurso consiste en erigirse en portavoz de la juventud mundial y lanzar diversos reproches a la población adulta, en general, y los líderes políticos, en particular. "No nos invitéis a vuestras cumbres a decirnos que somos un movimiento prometedor, porque eso no sirve de nada. Invitad a científicos, porque no queremos que nos escuchéis a nosotros, queremos que les escuchéis a ellos. No me importa que digáis que estáis intentando tomar medidas, porque lo cierto es que no estáis haciendo lo suficiente", declaró recientemente en una arenga pronunciada en una comisión del Senado de Estados Unidos.

Algo parecido ocurrió esta semana en su paso por la Cumbre de Acción Climática de la ONU. Esta vez, su discurso fue especialmente emocional y volvió a girar en torno al hecho de que, en su opinión, los científicos tienen todas las respuestas necesarias para resolver el cambio climático. Pero, además de culpar a los políticos de "robar" sus "sueños" y su "infancia" con "palabras vacías", Thunberg criticó que "ante una extinción masiva, seguimos hablando de dinero y contando cuentos de hadas sobre un crecimiento económico eterno. ¿Cómo os atrevéis?".

De modo que, más allá de los reproches a la clase política, el discurso de Thunberg empieza a revelar su creencia en la incompatibilidad crecimiento-sostenibilidad. Su condena al "dinero" y su referencia al "crecimiento económico eterno" como un "cuento de hadas" muestran que, en esencia, el pensamiento de la joven niña sueca gira en torno a la idea de que la economía de mercado como la conocemos no es compatible con la mejora medioambiental. Esto choca con la <u>evidencia disponible</u>, que acredita una clara mejoría "verde" en las economías más liberales del Planeta.

Es más: aunque Thunberg ha centrado sus protestas en las economías de Occidente, lo cierto es que la evolución de las emisiones de CO2 y otros gases de efecto invernadero ha sido especialmente positiva en dicha región del mundo. En la Unión Europea, por ejemplo, las emisiones de CO2 han bajado un 30% con respecto a los datos que se registraban hace medio siglo... y todo en un contexto de crecimiento económico como el que demoniza Thunberg. (*Publicado en Libertad Digital*)

Myron Ebell, Steven J. Milloy

Gracias a Tony Heller, quien primero recopiló muchos de estos clips de noticias y los publicó en RealClimateScience.

RESUMEN

Los apocalípticos modernos han estado prediciendo desastres climáticos y ambientales desde la década de 1960. Siguen haciéndolo hoy.

Ninguna de las predicciones apocalípticas con fechas de vencimiento a partir de hoy se han hecho realidad.

Lo que sigue es una colección de predicciones notablemente salvajes de personas notables en el gobierno y la ciencia.

Más que simplemente destacar las predicciones fallidas, esta colección muestra que los creadores de predicciones apocalípticas fallidas a menudo son individuos que tienen posiciones respetadas en el gobierno y la ciencia.

Si bien tales predicciones han sido y siguen siendo reportadas con entusiasmo por un medio ansioso por titulares sensacionales, los fracasos generalmente no se revisan.

1967: "Hambruna terrible para 1975".



Fuente: Salt Lake Tribune, 17 de noviembre de 1967.

1969: "Todos desaparecerán en una nube de vapor azul para 1989".

THE NEW YORK TIMES SUNDAY, AUGUST 10, 1969

FOE OF POLLU SEES LACK OF TI

Asserts Environmental Ills Outrun Public Concern

By ROBERT REINHOLD Special to The New York Times

PALO ALTO, Calif., Aug. 5 -"The trouble with almost all environmental problems," says Paul R. Ehrlich, the population biologist, "is that by the time we have enough evidence to convince people, you're dead."

While Dr. Ehrlich is gathering that evidence in his laboratory at Stanford University, he is wasting no time trying to convince people that drastic action is needed to head off what he foresees as a catastrophic explosion fueled by runaway population growth, a limited world food supply, and contami-

nation of the planet by man.
"We must realize that unless we are extremely lucky, everybody will disappear in a cloud of blue steam in 20 years," the 37-year-old scientist said during a coffee break at his laboratory, "The situation is going to get continuously worse unless we change our behavior."

Fuente: New York Times, 10 de agosto de 1969.

1970: edad de hielo en 2000

Thursday, April 16, 1970 The Boston Globe

Scientist predicts a new ice age by 21st century

Air pollution may oblitnew ice age in the first third of the next century if population continues grow and the earth's resources are consumed at the present rate, a pollution expert predicted yesterday.

James P. Lodge Jr. also warned that if the current rate of increase in electric congeneration power tinues, the demands for cooling water will boil dry the entire flow of the rivers and streams of continental United States.

his Looking into "smoggy crystal ball," Lodge also warned that by the next century "the consumption of oxygen in combustion processes, world-wide, will surpass all of the processes which return oxygen to the atmosphere."

Lodge, a scientist at the erate the sun and cause a national center for Atmospheric Research in Boulder. Colo., said the nation's states, with the exception of Alaska and Hawaii, "are already consuming more oxygen than their own green plants replace and that we are importing the balance from the neighboring oceans."

Lodge, speaking at the Institute of Environmental Sciences, at the Sheraton Boston, said three factors could prevent these disasters: population control, a less wasteful standard of living, and a major technological breakthrough in the way man consumes the earth's resources.

Fuente: Boston Globe, 16 de abril de 1970

1970: "América sujeta a racionamiento de agua en 1974 y racionamiento de alimentos en 1980".



REDLANDS, CALIFORNIA, TUESDAY, OCTOBER 6, 1970

Dr. Ehrlich, outspoken ecologist, to speak

"Giving aspirins to cancer victims" is what Dr. Paul R. Ehrlich thinks of current proposals for pollution control. No real action has been taken to save the environment, he maintains.

And it does need saving. Ehrlich predicts that:

The oceans will be as dead as Lake Erie in less than a decade.

The DDT in our fatty tissues has reached levels high enough to cause brain damage and cirrhosis of the liver.

America will be subject to water rationing by 1974 and food rationing by 1980.

University of California Extension, Riverside and World Affairs Council of Inland Southern California will present the outspoken author of "The Population Bomb" and the hero of the ecology movement tomorrow at 8 p.m. He will speak in the gynnasium on the UCR campus.



DR. PAUL EHRLICH

Fuente: Redlands Daily Facts, 6 de octubre de 1970.

1971: 'Se acerca la nueva era de hielo'

U.S. Scientist Sees New Ice Age Coming By Victor CohnWashington Post Staff Writer The Washington Post, Times Herald (1959-1973); Jul 9, 1971;

U. S. Scientist Sees New Ice Age Coming

By Victor Cohn Washington Post Staff Writer

The world could be as little as 50 or 60 years away from a disastrous new ice age, a leading atmospheric scientist predicts.

Dr. S. I. Rasool of the Na-Aeronautics and Space Administration and Columbia University says

- "In the next 50 years," the fine dust man constantly puts into the atmosphere by fossil fuel-burning could screen out so much sunlight that the average temperature could drop by six de-
- If sustained over "several years" —"five to 10," he estimated—"such a temperature decrease could be sufficient to trigger an ice age!"

These conclusions-including the ominous exclamation point rare in scientific publication - are printed in this week's issue of the journal Science out today, signed by Rasool and co-worker Dr. S. H. Schneider.

They are also being presented by Schneider at an in-

ternational Study of Man's Impact on Climate now being held in Stockholm as a prelude to a world environmental conference there next June.

Dr. Gordon F. MacDonald, scientist-member of President Nixon's three-man Council on Environmental Quality, said in an interview that these conclusions point up "one of the serious problems" U.S. and other delegates must address next year.

He called Rasool "a firstrate atmospheric physicist" whose estimate that fuel dust could drop temperatures by six degrees "is consistent with estimates I and others have made."

Whether this could cause an ice age "within five or 50 years or even more," he said, "I wouldn't want to guess."

But he "agreed completely" with Rasool that is is now urgent to start an international network to monitor atmospheric dust.

correct, Rasool said, it may ers To merrons A thisdeand

be simply necessary for men to stop most fossil fuel-burning-use of coal, oil, natural gas and automobile gasoline -and switch in the main to nuclear energy, despite the atom's own disadvantages. Pollution controls alone, he said, cannot, do the job. "I think you have to stop the source."

A new ice age would flood the world's coastal cities and further lower temperatures to build up new glaciers that could eventually cover huge areas.

Scientists have long debated whether man's activity is actually heating or cooling the earth, if either. "1970 Study of Critical Problems" Environmental concluded that the Rasool-Schneider kind of prediction was impossible to make yet.

"The area of greatest uncertainty," that study con-cluded, is "our current lack of knowledge" of the optical properties of man-made dust "in scattering or absorbing

turned ation one out the want do If his calculations provelar gestearthi" fastest comput-

Fuente: Washington Post, 9 de julio de 1971

1972: nueva era de hielo para 2070



BROWN UNIVERSITY Providence, Rhode Island . 02912

DEPARTMENT OF GEOLOGICAL SCIENCES

(401) 863-2240

December 3, 1972

The President
The White House
Washington, D. C.

Dear Mr. President:

Aware of your deep concern with the future of the world, we feel obliged to inform you on the results of the scientific conference held here recently. The conference dealt with the past and future changes of climate and was attended by 42 top American and European investigators. We enclose the summary report published in Science and further publications are forthcoming in Quaternary . Research.

The main conclusion of the meeting was that a global deterioration of climate, by order of magnitude larger than any hitherto experienced by civilized mankind, is a very real possibility and indeed may be due very soon. The cooling has natural cause and falls within the rank of processes which produced the last ice age. This is a surprising result based largely on recent studies of deep sea sediments.

Existing data still do not allow forecast of the precise timing of the predicted development, nor the assessment of the man's interference with the natural trends. It could not be excluded however that the cooling now under way in the Northern Hemisphere is the start of the expected shift. The present rate of the cooling seems fast enough to bring glacial temperatures in about a century, if continuing at the present pace.

The practical consequences which might be brought by such developments to existing social institutions are among others:

- Substantially lowered food production due to the shorter growing seasons and changed rain distribution in the main grain producing belts of the world, with Eastern Europe and Central Asia to be first affected.
- Increased frequency and amplitude of extreme weather anomalies such as those bringing floods, snowstorms, killing frosts etc.

El Espía Digital – www.geoestrategia.es

Mr. President

- 2 -

December 3, 1972

With the efficient help of the world leaders, the research could be effectively organized and could possibly find the answers to the menace. We hope that your Administration will take decisive steps in this direction as it did with other serious international problems in the past. Meantime however it seems reasonable to prepare the agriculture and industry for possible alternatives and to form reserves.

It might also be useful for Administration to take into account that the Soviet Union, with large scientific teams monitoring the climate change in Arctic and Siberia, may already be considering these aspects in its international moves.

With best regards,

George J. Kukla

Lamont-Doherty Geological Observatory

R. K. Matthews, Chairman Department of Geological Sciences

Fuente: NOAA, octubre de 2015

1974: 'La nueva edad de hielo viene rápido'

THE GUARDIAN Tuesday January 29 1974

Space satellites show new Ice. Age coming fast

By ANTHONY TUCKER, Science Correspondent

WORLDWIDE and rapid trends towards a mini Ice Age are emerging from the first long term analyses of satellite weather pictures.

Of potentially great importance to energy strategies and to agriculture, but barely observable yet in Britain because our weather is strongly buffered by the Atlantic, a preliminary analysis carried out at Columbia University, New York, by the European climatologists Doctors George and Helena Kukla indicates that snow and ice cover of the earth increased by 12 per cent during 1967-1972.

This appears to be in keeping with other long-term climatic changes, all of which suggest that after reaching a climax of warmth between 1935 and 1955, world average temperatures are now falling. But the rate of increase, of snow and ice cover is much faster than would be expected from other trends.

The technique employed, which was first described in this country last year during a conference at the Climatic Research Unit at the University of East Anglia, depends on the averaging of information from standard and infra red satellite weather pictures. In spite of

the newness of the technique the findings are important and it is a matter of some urgency that they should be re-examined by other groups.

It is particularly important to know whether the earth's reflectivity is changing, for this is one of the factors in which a change tends to be self-perpetuating until some new worldwide balance is reached. An increase of snow and ice cover coupled with a decrease in cloud, or even with no change in cloud cover, means that more of the incoming energy from the sun is reflected straight out again, thus further reducing temperatures.

The Columbia University findings suggest that at present the main changes are not in the general area of winter snow and ice coverage but in the continuation of coverage later and later into the spring. This appears to be true of both the northern and southern hemispheres.

In the highly complex dynamics of world weather patterns an interconnection of some kind between major events is inevitable, but often obscure. It could be, for example, that the extraordinary occurrence of a stationary low pressure area over Bristane, with its attendant disas-

trous flooding, is a feature of the overall trend.

The Brisbane low pressure area appears to have started normal Pacific life a 25 cyclonic feature moving along a normal south-easterly curving track. But instead of recurving towards the southwest, it was blocked by an anticyclone to the south of Australia. It happens that blocking anticyclones play an important role in the characteristics of weather in the hemischere northern he account for some adverse changes in our own climate. The trends appear to be cyclic, fairly long-term and extremely important. It is therefore surprising that, in Britain at least, support for scientific analysis of the history of climate is almost nonexistent.

But Nottingham at least is fighting off the advancing ice age — grass is growing and seeds are sprouting there now.

The artificial spring has been created by the underground hot water pipes which now carry heat to thousands of homes in the city. As an experiment city officials scattered grass seeds on wasteland near the central library and grass is shooting up there and in other areas where the pipes are.

Fuente: The Guardian, 29 de enero de 1974.

1974: "¿Otra edad de hielo?"



Science

Another Ice Age?

Monday, Jun 24, 1974

In Africa, drought continues for the sixth consecutive year, adding terribly to the toll of famine victims. During 1972 record rains in parts of the U.S., Pakistan and Japan caused some of the worst flooding in centuries. In Canada's wheat belt, a particularly chilly and rainy spring has delayed planting and may well bring a disappointingly small harvest. Rainy Britain, on the other hand, has suffered from uncharacteristic dry spells the past few springs. A series of unusually cold winters has gripped the American Far West, while New England and northern Europe have recently experienced the mildest winters within anyone's recollection.

As they review the bizarre and unpredictable weather pattern of the past several years, a growing number of scientists are beginning to suspect that many seemingly contradictory meteorological fluctuations are actually part of a global climatic upheaval. However widely the weather varies from place to place and time to time, when meteorologists take an average of temperatures around the globe they find that the atmosphere has been growing gradually cooler for the past three decades. The trend shows no indication of reversing. Climatological Cassandras are becoming increasingly apprehensive, for the weather aberrations they are studying may be the harbinger of another ice age.

Telltale signs are everywhere —from the unexpected persistence and thickness of pack ice in the waters around Iceland to the southward migration of a warmth-loving creature like the armadillo from the Midwest. Since the 1940s the mean global temperature has dropped about 2.7° F. Although that figure is at best an estimate, it is supported by other convincing data. When Climatologist George J. Kukla of Columbia University's Lamont-Doherty Geological Observatory and his wife Helena analyzed satellite weather data for the Northern Hemisphere, they found that the area of the ice and snow cover had suddenly increased by 12% in 1971 and the increase has persisted ever since. Areas of Baffin Island in the Canadian Arctic, for example, were once totally free of any snow in summer; now they are covered year round.

Fuente: TIME, 24 de junio de 1974.

1974: el agotamiento del ozono es un "gran peligro para la vida"

'Great Peril To Life'; Gas Pares Away Earth's Ozone

WASHINGTON (UPI) .- A scientist told Congress Wednesday the earth appears to be "on the verge of a period of great peril to life on this globe" because of threats to the ozone layer from

modern technology.

Professor T. M. Donahue of the University of Michigan testified at the opening of two days of hearings into the question of whether freon, the gas used in acrosol sprays and as a coolant in refrigerators and air conditioners, has been eating away at the ozone layer near the top of the earth's atmosphere.

The layer filters out most of the sun's ultraviolet rays and some scientists have suggested that a thinning of the layer will trigger huge increases in skin cancer among the earth's peoples.

Rep. Marvin L. Esch, R. Mich., said Wednesday it may be too late to head off an increase in skin cancer over it Congress sets right away to control.

cancer even if Congress acts right away to contril freon gases being released into the atmosphere

from aerosol sprays and other sources,.
"We must immediately begin a comprchensive study so that steps can be taken to defuse this potential time bomb if a health bazard is proven,

Esch said.

Donahue suggested that if a fleet of 500 supersonic transports have been built as was discussed a few years ago enough of the protective ozone layer would have been destroyed to "drive life on the globe back toward a state it had several hundred million years ago."

Donahue, who with other Michigan scientists recently raised the issue before the public, said he and fellow researchers are not even sure they have exhausted the inventory if possible horrors that

could result from ozone depletion.
It might even be, he said, that the effort to feed a growing population through grains is using up nitrous oxide and taking that substance away from the ozone layer as well.

"We appear to be on the verge of a period of great peril to life on this globe produced by the development of the very technology designed to make life more pleasant, tolerable and even possi-

ble for all of this humankind," he said.
"It is time to step back and take a very careful look at what we may be doing to ourselves and our

The subcommittee has before it two bills calling for a study first and power later to ban freons. Esch, in testimony prepared for the hearing, said a University of Michigan study widely quoted

in news reports estimates that ozone destruction would not reach its peak until about 1990, eyen if all emissions were halted now.

There are estimates," he added, "that this

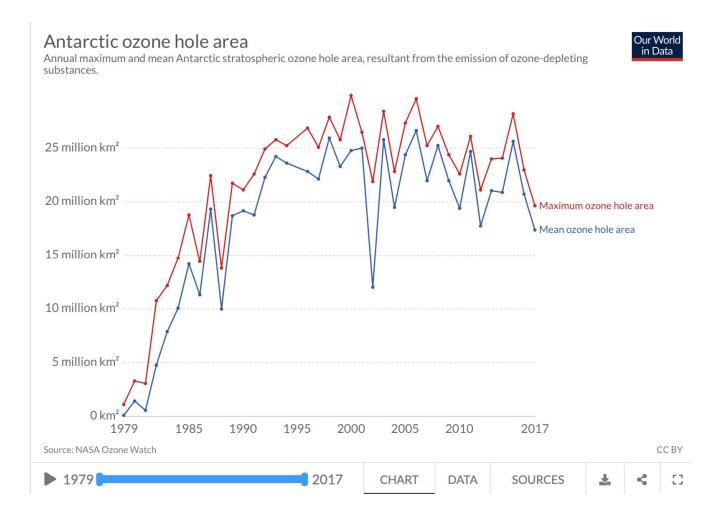
ozone destruction will result in an additional 8,000 cases of skin cancer by 1990 and at least one prediction that the incidence of skin cancer could be much higher,"

To delay a priority study of the question, Esch said, "ctuld invite tragedy and suffering which,

because of the unusual nature of this problem might not be fully upon us for 10 or 15 years.
"Yet we are fold it may already be too late to prevent serious depletion of the ozone shield," he said. "In fact, we are faced with the unnerving prediction that ozone destruction will almost curtainly result in an increased incidence of skin cancer — no matter what steps we take within the next 12 months."

Pero no se ha observado tal "gran peligro para la vida", ya que permanece el llamado "aqujero de ozono":

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Fuentes: titular

Datos de la NASA | Grafico

1976: 'El enfriamiento'

The New York Times Book Review/July 18, 1976

The Cooling

So writes Stephen Schneider, a young climatologist at the National Center for Atmospheric Research in Boulder, Colo., reflecting the consensus of the climatological community in his new book, "The Genesis Strategy." His warning, that present world food reserves are an insufficient hedge against future famines, has been heard among the scientific community for years-for example, it was a conclusion of a 1975 National Academy of Sciences report, But Schneider has decided to explain the entire problem, as responsibly and accurately as he can, to the general public, and thus has put together a useful and important book.

Schneider quotes University of Wisconsin climatologist Reid Bryson as saying that 1930-1960 "was the most abnormal period in a thousand years-abnormally mild." In fact, conditions of steady, warm weather in the northern hemisphere during that time favored bumper harvests in the United States, the Soviet Union, and the wheat belt of northern India and Pakistan. In 1974 Schneider and Bryson tried to explain to a White House policy-making group why conditions are likely to worsen. One of the most depressing anecdotes in the book is Schneider's description of the deaf ear their warnings received.

Fuente: New York Times Book Review, 18 de julio de 1976.

1980: "La lluvia ácida mata la vida en los lagos"

Rain Kills Life In I

SPRINGFIELD, Va. (UPI) — Acid rain, which has already wiped out the fish in 107 of New York's Adirondack Mountain lakes, is rapidly killing other lakes in nearby eastern Canada, says a Canadian official.

Raymond Robinson, deputy minister in Canada's environmental agency, told the first interstate summit conference on acid rain Tuesday his country is determined to fight the apreading problem.

"We're simply not prepared to contemplate leaving the generations of the next century with tens of thousands or hundreds of thousands of sterile lakes," he said. "As a practical matter, in

acid rain meeting, sponsored by the U.S. Environmental Protection Agency. The meeting attracted 200 representatives from a score of Eastern states, government, industry and en-

Eastern states, government, industry and environmental and civic groups.

Douglas Costle, EPA administrator, said in an opening address the object of the meeting was to reach mutual understanding on the cause and effects of acid rain and to open debate on possible solutions.

"I look at this conference as a first step for

states on the seriousness of the problem and the kinds of near-term and long-term remedial actions that are appropriate," said Costle

Although the acid rain phenomenon respects no political boundaries, Costle believes the main culprits in the United States are old coal-burning electric power plants that lack newly legislated anti-pollution safeguards.

In Canada, where half the acid rain pollutions wafts in from the United States, the pollution source seems to be heavy industry and non-feric metal smelters, said Robinson.

Noblesville Ledger (Noblesville, IN) 9 de abril de 1980

Pero 10 años después, el programa del gobierno de EE. UU. para estudiar la lluvia ácida concluyó:

Acid rain no environmental crisis, study concludes

H. JOSEF HEBERT

WASHINGTON — A \$537 million, decade-long study ordered by Congress concluded today that acid rain should be "viewed as a long-term problem" requiring pollution controls but is not the environmental crisis some scientists have suggested. The report by the National Acid Precipitation Assessment Program was embraced both by those who support steep cuts in sulfur dioxide emissions and by critics of such cuts. The critics have long claimed that severe pollution controls, costing as much as \$5 billion a year, are an overreaction to the acid rain problem.

In its final draft report, the scientific group, known as NAPAP, reiterated that pollution-control measures are needed to return hundreds of lakes and streams — especially in the Northeast and the mid-Atlantic states —'to healthy conditions.

The report also acknowledged that acid The report also acknowledged that acid rain is affecting visibility across much of the East; causes damage to some forests, particularly red spruce at higher elevations; reduces soil nutrients; kills some aquatic life; erodes buildings and statutes, and poses health problems to some humans exposed to existing the control of the problems of the control of the contr

acidic aerosols.

James Mahoney, director of NAPA, outlined the draft report to a final meeting of the group and said its findings have "reduced the scientific uncertainties" about acid

duced the scientific uncertainties" about acid rain.

"Acid rain is correctly viewed as a long-term problem which should be resolved by permanent measures," he concluded, summarizing the findings.

Mahoney said that while the study supports many of the scientific views expressed over the years on acid rain it also rejected other, "more extreme views" such as those that consider it "a flat-out crisis" or those "who would say there's no problem at all."

NAPAP was established by Congress in 1980 to improve the understanding of acid rain. During its decade of work it spent \$537 million.

The report stopped short of endorsing specific control requirements, including the 10-million-ton cut in sulfur dioxide emissions required by legislation nearing approval in Congress.

required by legislation nearing approval in Congress.

The study said, however, that if annual sulfur dioxide emissions were cut by 10 million tons the damaging trends would be reversed. Such emission controls would lead to the "chemical recovery" of lakes in the Adirondacks, where the acid rain problem is said to be most severe, and protect lakes in the higher elevations of the mid-Atlantic states. It also would reduce other damages caused by acid rain and improve visibility.

states. It also would reduce other damages caused by acid rain and improve visibility. But the pollution controls would not be cheap, with the expense increasing sharply as steeper emission reductions are put in place. An 8-million-ton reduction in sulfur dioxide

emissions would cost \$1.7 billion to \$2.7 billion a year, while cuts of 10 million tons would cost as much as \$4 billion a year, the study estimated.

The most severe pollution control re-

The most severe pollution control requirements would have to be imposed on electric utilities, especially those burning high-sulfur coal in the Midwest, for the results to be effective, the study said.

The National Coal Association issued a statement urging that Congress case its acid rain pollution controls in light of the NAPAP study. "The report provides strong evidence that there is time to implement more cost-effective ways in which to mitigate the limited environmental impacts of acid the limited environmental impacts of acid rain," said Richard Lawson, the associa-

rain, said Richard Lawson, the associa-tion's president.

But Eileen Claussen, a senior director in-volved with air pollution issues at the EPA, said the NAPAP report "clearly establishes the link between (sulfur) emissions and envi-ronmental damage."

Associated Press, 6 de septiembre de 1990

1978: 'No End in Sight' a la tendencia de enfriamiento de 30 años

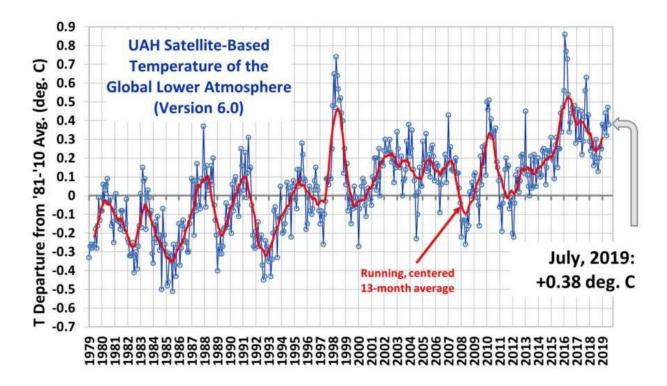
International Team of Specialists Finds No End in Sight to 30-Year Cooling Trend in Northern Hemisphere



Fuente: New York Times, 5 de enero de 1978

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Pero según los datos satelitales de la NASA hay una ligera tendencia al calentamiento desde 1979.

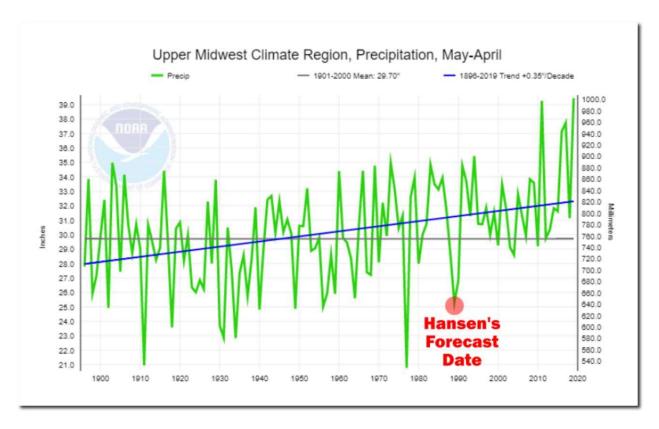


Fuente: DrRoySpencer.com

1988: las previsiones de James Hansen aumentan la sequía regional en la década de 1990



Pero el último año realmente seco en el Medio Oeste fue 1988, y los últimos años han sido récord.



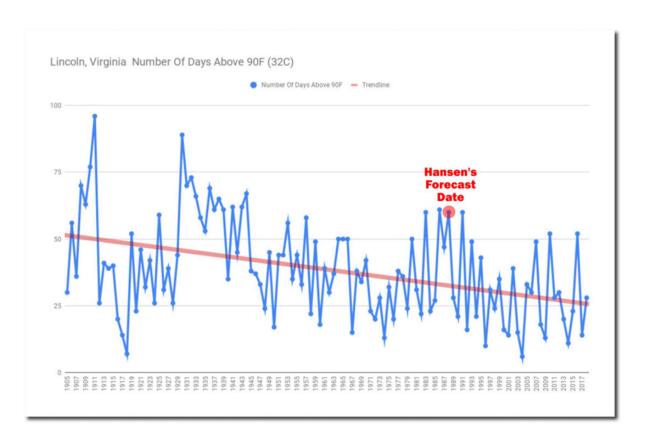
Fuente: RealClimateScience.com

1988: días de Washington DC de más de 90 ° F a 35 a 85



El Espía Digital – www.geoestrategia.es

Pero el número de días calurosos en el área de DC alcanzó su punto máximo en 1911, y han estado disminuyendo desde entonces.



Fuente: RealClimateScience.com

1988: Maldivas completamente bajo el agua en 30 años



Fuente: Agence France Press, 26 de septiembre de 1988.

1989: El aumento de los mares puede 'destruir' naciones en 2000

Rising seas could obliterate nations: U.N. officials

UNITED NATIONS (AP) - A senior UNITED NATIONS (AT) — A senior U.N. environmental official says entire na-tions could be wiped off the face of the Earth by rising sea levels if the global warming trend is not reversed by the year 2000

Coastal flooding and crop failures would create an exodus of "eco-refugees," threatening political chaos, said Noel Brown, director of the New York office of

the U.N. Environment Program, or UNEP. He said governments have a 10-year window of opportunity to solve the greenhouse effect before it goes beyond human

As the warming melts polar icecaps, ocean levels will rise by up to three feet, enough to cover the Maldives and other flat island nations, Brown told The Asso-

ciated Press in an interview on Wednesday. Coastal regions will be inundated; one-sixth of Bangladesh could be flooded, displacing a fourth of its 90 million people. A fifth of Egypt's arable land in the Nile Delta would be flooded, cutting off its food

supply, according to a joint UNEP and U.S. Environmental Protection Agency study.

"Ecological refugees will become a major concern, and what's worse is you may find that people can move to drier ground, but the soils and the natural resources may not but the planet is only 9 degrees warmer support life. Africa doesn't have to worry now than during the 8,000-year Ice Age about land, but would you want to live in that ended 10,000 years ago. the Sahara?" he said.

UNEP estimates it would cost the United States at least \$100 billion to protect its east coast alone

Shifting climate patterns would bring back 1930s Dust Bowl conditions to Canback 1930s Dist Bowl conditions to Can-adian and U.S. wheatlands, while the Soviet Union could reap bumper crops if it adapts its agriculture in time, according to a study by UNEP and the International Institute for Applied Systems Analysis. Excess carbon dioxide is pouring into the

atmosphere because of humanity's use of fossil fuels and burning of rain forests, the study says. The atmosphere is retaining more heat than it radiates, much like a

The most conservative scientific estimate is that the Earth's temperature will rise 1 to 7 degrees in the next 30 years, said

The difference may seem slight, he said,

Brown said if the warming trend continues, "the question is will we be able to reverse the process in time? We say that within the next 10 years, given the present loads that the atmosphere has to bear, we have an opportunity to start the stabilizing

He said even the most conservative sci-entists "already tell us there's nothing we can do now to stop a ... change" of about 3

start thinking about the significant rise of the sea levels ... we can expect more fer-ocious storms, hurricanes, wind shear, dust

He said there is time to act, but there is oxygen.

UNEP is working toward forming a scientific plan of action by the end of 1990, and the adoption of a global climate treaty by 1992. In May, delegates from 103 nations met in Nairobi, Kenya — where UNEP is based — and decided to open negotiations on the treaty next year.

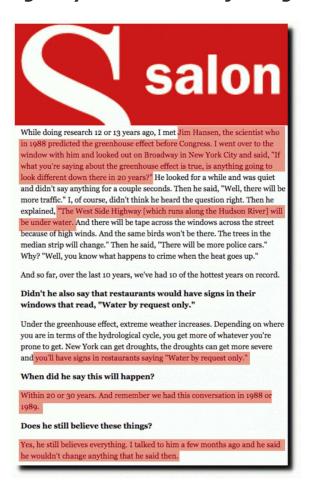
Nations will be asked to reduce the use of fossil fuels, cut the emission of carbon dioxide and other greenhouse gases such as methane and fluorocarbons, and preserve the rain forests.

"We have no clear idea about the e logical minimum of green space that the planet needs to function effectively. What we do know is that we are destroying the tropical rain forest at the rate of 50 acres a minute, about one football field per second," said Brown

Each acre of rain forest can store 100 tons of carbon dioxide and reprocess it into

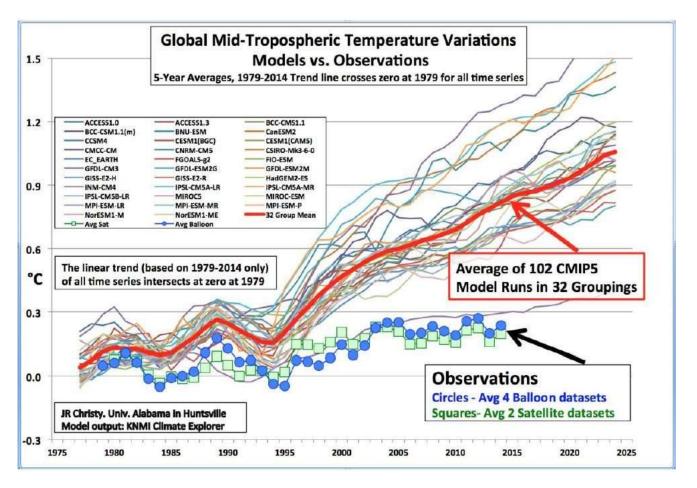
Fuente: Associated Press, 30 de junio de 1989.

1989: West Side Highway: Nueva York bajo el agua en 2019



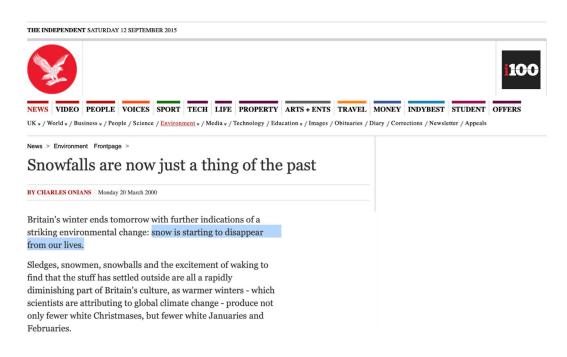
Fuente: Salon.com, 23 de octubre de 2001

1995 al presente: fracaso del modelo climático



Fuente: CEI.org

2000: "Los niños no sabrán qué es la nieve".



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However, the warming is so far manifesting itself more in winters which are less cold than in much hotter summers. According to Dr David Viner, a senior research scientist at the climatic research unit (CRU) of the University of East Anglia, within a few years winter snowfall will become "a very rare and exciting event".

"Children just aren't going to know what snow is," he said.

Fuente: The Independent, 20 de marzo de 2000

2002: Hambruna en 10 años.





Fuente: The Guardian, 23 de diciembre de 2002.

2004: Gran Bretaña tendrá clima siberiano para 2020



Sat 21 Feb 2004 20.33 EST

Now the Pentagon tells Bush: climate change will destroy us

- · Secret report warns of rioting and nuclear war
- · Britain will be 'Siberian' in less than 20 years
- Threat to the world is greater than terrorism

<u>Climate change</u> over the next 20 years could result in a global catastrophe costing millions of lives in wars and natural disasters..

A secret report, suppressed by US defence chiefs and obtained by The Observer, warns that major European cities will be sunk beneath rising seas as Britain is plunged into a 'Siberian' climate by 2020. Nuclear conflict, mega-droughts, famine and widespread rioting will erupt across the world.

Fuente: The Guardian, 21 de febrero de 2004.

2008: el Ártico estará libre de hielo para 2018

The Argus-Press . Owosso, Michigan . Tues., June 24, 2008

By SETH BORENSTEIN

AP Science Writer

NASA scientist: 'We're toast'

"We see a tipping point occurring right before our eyes," Hansen told the AP before the luncheon. "The Arctic is the first tipping point and it's occurring exactly the way we said it would."

Hansen, echoing work by other scientists, said that in five to 10 years, the Arctic will be free of sea ice in the summer.

Longtime global warming skeptic Sen. James Inhofe, R-Okla, citing a recent poll, said in a statement, "Hansen, (former Vice President) Gore and the media have been trumpeting man-made climate doom since the 1980s, But Americans are not buying it."

But Rep. Ed Markey, D-Mass., committee chairman, said, "Dr. Hansen was right. Twenty years later, we recognize him as a climate prophet."

Fuente: Associated Press, 24 de junio de 2008.

2008: Al Gore advierte sobre el Ártico sin hielo para 2013

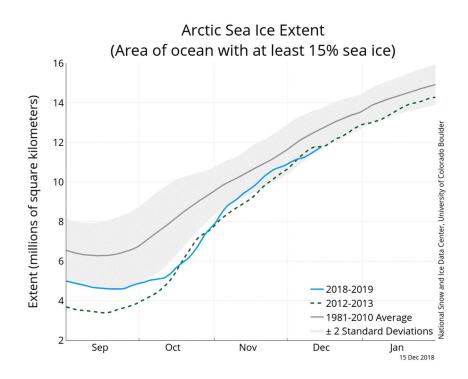
Ten years ago, @AlGore predicted the North polar ice cap would be gone. Inconveniently, it's still there Anthony Watts / December 16, 2018

On December 14, 2008, former presidential candidate Al Gore predicted the North Polar Ice Cap would be completely ice free in five years. As reported on WUWT, Gore made the prediction to a German TV audience at the COP15 Climate Conference:



Al warned them that "the entire North 'polarized' cap will disappear in 5 years."

Pero ... sigue ahí:



Fuente: WattsUpWithThat.com, 16 de diciembre de 2018

2009: el príncipe Carlos dice que solo tenemos 8 años para salvar el planeta

Environment > Green Living

Just 96 months to save world, says Prince Charles

The price of capitalism and consumerism is just too high, he tells industrialists

Robert Verkaik | Thursday 9 July 2009 00:00 |



Fuente: The Independent, 9 de julio de 2009

2009: el primer ministro del Reino Unido dice que solo tenemos 50 días para "salvar al planeta de la catástrofe"



Fuente: The Independent: 20 de octubre de 2009

2009: Ártico sin hielo para 2014



Fuente: USA Today, 14 de diciembre de 2009

2013: Ártico sin hielo para 2015

Ice-free Arctic in two years heralds methane catastrophe - scientist

Professor Peter Wadhams, co-author of new Nature paper on costs of Arctic warming, explains the danger of inaction



▲ Leading Arctic expert Prof Wadhams warns that a summer ice free Arctic in 2 years could trigger dangerous methane release. Photograph: Jenny E Ross/Corbis

A new paper in the journal Nature argues that the release of a 50 Gigatonne (Gt) methane pulse from thawing Arctic permafrost could destabilise the climate system and trigger costs as high as the value of the entire world's GDP. The East Siberian Arctic Shelf's (ESAS) reservoir of methane gas hydrates could be released slowly over 50 years or "catastrophically fast" in a matter of decades - if not even one decade - the researchers said.

Fuente: The Guardian, 24 de julio de 2013.

Documento: https://www.nature.com/articles/s41467-017-02550-9 (acceso abierto)

La disociación de hidratos de gas de Svalbard inducida por el rebote isostático en lugar del calentamiento global

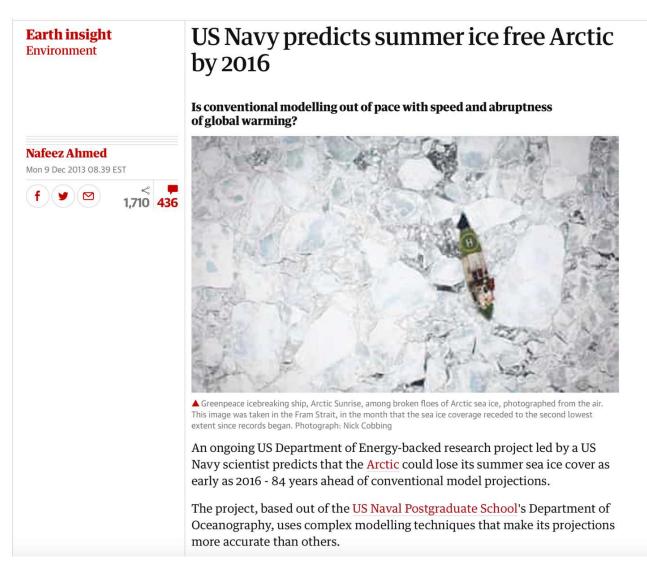
Resumen

La filtración de metano desde las laderas continentales superiores de Svalbard occidental se ha atribuido previamente a la disociación de hidratos de gas inducida por el calentamiento antropogénico de las aguas del fondo. Aquí mostramos que los núcleos de sedimentos perforados en Prins Karls Foreland contienen agua dulce de hidratos de disociación. Sin

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embargo, nuestro modelo indica que la renovación del agua de poro observada comenzó alrededor de 8 ka BP cuando la tasa de elevación isostática superó el aumento del nivel del mar eustatico. La consiguiente bajada local y disminución de la presión hidrostática forzó la disociación de los hidratos de gas y los agotamientos de cloruro disuelto, de acuerdo con nuestro análisis geoquímico. Por lo tanto, proponemos que la disociación de hidratos se desencadenó por el rebote isostático postglacial en lugar del calentamiento antropogénico. Además,

2013: Ártico sin hielo para 2016



Fuente: The Guardian, 9 de diciembre de 2013.

2014: solo quedan 500 días antes del 'caos climático'

French Foreign Minister: '500 Days to Avoid Climate Chaos'

by Jeryl Bier | May 14, 2014 06:29 AM

Secretary of State John Kerry welcomed French foreign minister Laurent Fabius to the State Department in Washington on Tuesday to discuss a range of issues, from Iran to Syria to climate change. Or, in the words of the foreign minister, "climate chaos." Kerry and Fabius made a joint appearance before their meeting, and the foreign minister warned that only 500 days remained to avoid "climate chaos" [emphasis added]:

Pero...

Planet Still Standing 500 Days After French Foreign Minister Warned of 'Climate Chaos'

by Jeryl Bier | September 29, 2015 07:08 AM

In May 2014, French foreign minister Laurent Fabius declared during a joint appearance with Secretary of State John Kerry that "we have 500 days to avoid climate chaos." Late last week, time ran out. Fabius's original remarks were as follows:

Fuentes: Washington Examiner

En fin...