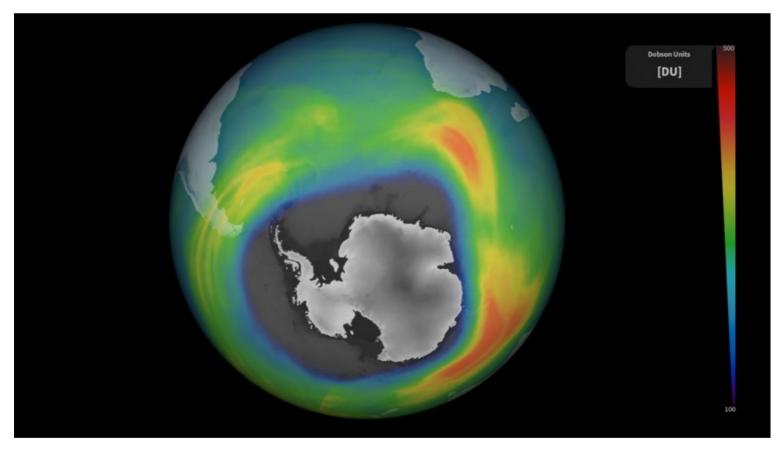


| | Mother Earth | | The Ozone Hole Goes Large Again | |



Il Thursday: October 05: 2023 Il $\dot{\alpha}$. Measurements, from the Copernicus Sentinel-5P satellite, show that this year's ozone hole over Antarctica is one of the biggest on record. The hole, which is what scientists call an 'ozone depleting area,' reached a size of 26 million square kilometre on September 16, 2023. This is roughly three times the size of Brazil. The size of the ozone hole fluctuates on a regular basis. From August to October, the ozone hole increases in size, reaching a maximum between middle of September and middle of October.

When temperatures high up in the stratosphere start to rise in the southern hemisphere, the ozone depletion slows, the polar vortex weakens and finally breaks down and by the end of December ozone levels return to normal. Launched in October 2017, Copernicus Sentinel-5P, short for Sentinel-5 Precursor, is the first Copernicus satellite dedicated to monitoring our atmosphere. It is part of the

fleet of Copernicus Sentinel missions, that ESA develops for the European Union's environmental monitoring programme.

The satellite carries an advanced multi-spectral imaging spectrometer, Tropomi. It detects the unique fingerprints of atmospheric gases in different parts of the electromagnetic spectrum to image a wide range of pollutants more accurately and at a higher spatial resolution than ever before.

The Tropomi total ozone measurements are processed within the Sentinel-5P ground segment at the German Aerospace Centre:DLR, using algorithms, that has been developed by DLR and the Royal Belgium Institute for Space Aeronomy.

Diego Loyola, DLR Senior Scientist, said, "The Sentinel-5P total ozone products have an accuracy at the percentage level compared with ground-based data and this allows us to closely monitor the ozone layer and its evolution. The Tropomi measurements are extending the global ozone data record of European satellite sensors covering almost three decades."

CAMS Senior Scientist Antje Inness, said, "Our operational ozone monitoring and forecasting service shows that the 2023 ozone hole got off to an early start and has grown rapidly since midaugust. It reached a size of over 26 million sq km on September 16, making it one of the biggest ozone holes on record. Tropomi ozone data are an important dataset for our ozone analysis."

The variability of the size of the ozone hole is largely determined by the strength of a strong wind band that flows around the Antarctic area. This strong wind band is a direct consequence of Earth's rotation and the strong temperature differences between polar and moderate latitudes.

If, the band of wind is strong, it acts like a barrier: air masses between polar and temperate latitudes can no longer be exchanged. The air masses then remain isolated over the polar latitudes and cool down during the winter.

Although, it may be too early to discuss the reasons behind the current ozone concentrations, some researchers speculate that this year's unusual ozone patterns could be associated with the eruption of the Hunga Tonga-Hunga Ha'apai in January 2022.

Antje says, "The eruption of the Hunga Tonga volcano in January 2022 injected a lot of water vapour into the stratosphere, which only reached the south polar regions after the end of the 2022 ozone hole.

"The water vapour could have led to the heightened formation of polar stratospheric clouds, where chlorofluorocarbons: CFCs can react and accelerate ozone depletion. The presence of water vapour, may, also, contribute to the cooling of the Antarctic stratosphere, further enhancing the formation of these polar stratospheric clouds and resulting in a more robust polar vortex."

However, it's important to note that the exact impact of the Hunga Tonga eruption on the Southern Hemisphere ozone hole is still a subject of on-going research. This is due to the absence of previous instances where such substantial amounts of water vapour were injected into the stratosphere in modern observations.

ESA's mission manager for Copernicus Sentinel-5P, Claus Zehner, says, "The Sentinel-5P total ozone columns provide an accurate means to monitor ozone hole occurrences from space. Ozone hole phenomena cannot be used in straightforward manner for monitoring global ozone changes as they are determined by the strength of regional wind fields that flow around polar areas."

In the 1970s and 1980s, the widespread use of damaging chlorofluorocarbons in products, such as, refrigerators and aerosol tins, damaged ozone high up in our atmosphere, which led to a hole in the ozone layer above Antarctica.

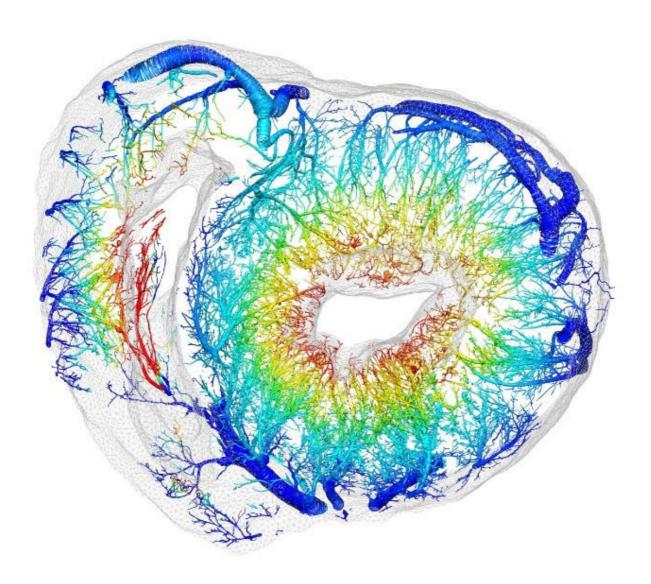
In response to this, the Montreal Protocol was created in 1987 to protect the ozone layer by phasing out the production and consumption of these harmful substances, which is leading to a recovery of the ozone layer.

"Based on the Montreal Protocol and the decrease of anthropogenic ozone-depleting substances, scientists currently predict that the global ozone layer will reach its normal state again by around 2050."

Caption: Ozone Hole: Image: ESA :::ω:::

| | Readmore at thehumanion.com | | reginehumanicsfoundation.com | | 061023 | |

Humanics: All-For-One-One-For-All



I | Selfishness Is the Most Definitive Way to, Absolutely, Harm One's Very Own Self, As Well As, Everyone and Everything Else: In Other Words, Selfishness Is Nothing But Absolute, Complete and Comprehensive Absence of Questioning or Thoughtfulness or Consideration, Which Makes Us Think and That, Thus, Enables Us to Reach the Rational Base and Foundation in Life and in Existence: This Means That Selfishness, Actually, Is a Terminal Enemy of the Agency of the Human Mind, Which It Keeps on Tearing Away and Apart by Being Devoid of Questioning and Thoughtfulness Because the Very Agency of the Human Mind Is a 'Structure', Created by the Architectonics of the Architecture of Human Rationality, Which Requires a Human Agency of the Human Mind to Put It to Use by Thinking, Questioning, Consideration, Analysing, Learning and Developing, All of Which Selfishness Terminates: Humanics: Humanics: All-For-One-One-For-All



The Humanics Elleesium Declaration 2019: The Humanicsxian Manifesto: Munayem Mayenin: ISBN: 978-0-244-76474-6: Published: April 06: 2019: The Manifesto can be read at https://thehumanics.com/TheHumanicsElleesiumDeclaration2019TheHumanicsxianManifesto. Munayem Mayenin: ISBN: 978-0-244-76474-6: Published: April 06: 2019 https://thehumanico.com/TheHumanicsElleesiumDeclaration2019TheHumanicsxianManifesto. httm:::

For more on Humanics As a School of Philosophy, please, visit

https://reginehumanicsfoundation.com

| | The Larin Paraske Maxim Or Oath: To Do No Harm to Anyone Or Anything | |



 $\underline{https://thehumanion.com/PDFs/TheLarinParaskeMaximOrOathMunayemMayeninPublishedMarch13-2020.pdf}$

Humanicsxian Economics



What Is Humanicsxian Economics

Say: I Carry the Infinities of Making All Beings Happy:

Say: I Commit to Organise the Largest Feast For All Humanity Where Each and Every Human Soul Sit at the Same Table of Liberty and Equality to Eat and Drink From the Bounties of This Mother Earth and of the Human Works and Labours:

Say: I Commit to An Economics That Is Clean Green Circular and Sustainable:

Say: I Commit to an Economics That Does No Harm to Anyone or Anything:

Say: I Commit to Establish an Economics That Is Founded on Moral Science So That Humanity Is Let to Be and Do Nothing But Humanity Naturale: Being and Doing an Infinity of Goodness Righteousness and Universal Harmony of Peace Unfolding Itself In By and With Social Morality of Civic Societies



And Further Say: I Commit to Found an Economics That Empowers the Entire Humanion With the Highest Degree of Education Continual and Life-Long Learning Development and Progression: Say: And Sovereignty Shall Be Returned to All Humanity Through the Direct Involvement Engagement and Participation of All Human Individual Beings Through Humanicsovics the Public Affairs Management System Run By All Citizens Working Together Without Political Parties: That Is a Human Enterprise in Humanicsovics Where Ownership Money and Their Powers and Prowess Have Been Eradicated and Replaced by Belongingship and That is Humanicsxian Economics: And Say: I Commit to Exist In By and With the High-Humanical Maxim: All-For-One and One-For-All: This Is Humanicxian Economics: This Is Why Regine Humanics Foundation Ltd and Regine Group of Publications Exist to Work and Take Forward The Philosophy Political Philosophy Political Economics and the Vision of Humanics to the Wider World and Wider Humanity For a Better Human Condition For All Humanity Across Mother Earth: One Humanity As One Humanion on One Mother Earth on One Sunnara on One Home Bay Milky Way Galaxy on One Universana: Humanity: We Are One: An Infinity Unfolding Itself: Thursday: June 25: 2020

Humanicsxian Economics in Two Phases of Humanics Pre-Humanical Phase: Kapitalawnomics

Pre-Humanical Phase: Kapitalawnomics: Capitalism Is Brought Under the Sovereignty of the People and Re-architectured to Serve the People Under the Power and Prowess of the Rule of Law at All Times and Used to Develop Everything Towards Humanical Societies || At This Phase These Shall Become Reality: Right to Universal Natural Air || Right to Universal Natural Environment || Right to Universal Degree-Level Education || Right to Universal Balanced and Nutritional Food and Drink || Right to Universal Employment || Right to Universal Income || Right to Universal Home || Right to Universal Health || Right to Universal Social Care || For All Humanity Across the Earth Equate to Building-Block Foundational Human Rights: And the Entire Humanity Joining Together As All Individuals In a Humanion, Forming the First All-Humanity Sovereignty-Naturale Habitat-Body on Earth and on This Universe as the First Ever International and Universal All-Humanity State and Government for the Whole World as One Body With Its Legislature Executive Judiciary Financial-Judiciary Rule of Law Civic Service Compact and Its Own Central Bank and Its Own Currency That Is the New International Currency || This Phase Is Done Through and by Working Humanity Organising As Political Forces and Parties.

Humanical Phase

Human Enterprise: Ownership Money and Their Powers and Prowess Are Eliminated and Replaced by Belongingship Whereby Humanity Reach Liberty and Equality and All Human Economics Endeavours Are Organised and Run Under Human Enterprise and the Whole Public Affairs Management Is Run and Conducted by Humanicsovics Whereby All Individual Humanity Work Together As Organised People Parliaments As Their Own High-Representatives: This Is Humanicsovics | | This Is What the World's Working and Non-Working Humanity on Poverty-Wage on Punishment-Social-Security on Destitution-Abandonment-No-Security and the Powerless and Homeless Humanity Must Rise to Fight For and Reject All Plastering Tinker-Works by Any Political Forces: This Is Why It Is Time to Rise As One and Unite and Organise to Begin Again: Where Are the Younger Generations: Because If We Humanity Have Any Future It Is In Your Hands Hearts Minds Souls Eyes and Vision: Believe: Humanity Naturale Is an Infinity Unfolding Itself and In Being and Doing Such Humanity Naturale We All Exist by the High-Humanical Maxim: All-For-One and One-For-All and With This Humanical Societies Appear All Across the Earth and They All Form a Grid of a Humanical Civilisation, Led and Run by All Humanity Working Together at the Highest of All Bodies: The International and Universal State and Government of the Entire Humanion

What Are Building-Block Foundational Human Rights



Ask Your Political Leaders About Building-Block Foundational Human Rights and Ask Them About Humanics

The Building-Block Foundational Human Rights

A: Absolute Right to Live in Clean, Healthy, Safe and Natural Environment

B: Absolute Right to Breathe Natural, Fresh, Clean and Safe Air

C: Absolute Right to Necessary Nutritional Balanced Food and Drink

D: Absolute Right to Free Medical Care at the Point of Need

E: Absolute Right to an Absolute Home

F: Absolute Right to Free Degree-Level Education and Life Long Learning

G: Absolute Right to Guaranteed Social Care

H: Absolute Right to a Universal Income

I: Absolute Right to a Job

J: Absolute Right to Dignified Civic and Human Funeral Paid Through by Universal Income

| | Elleesium Group of Publications | |

| | Support Regine Humanics Foundation Ltd | |



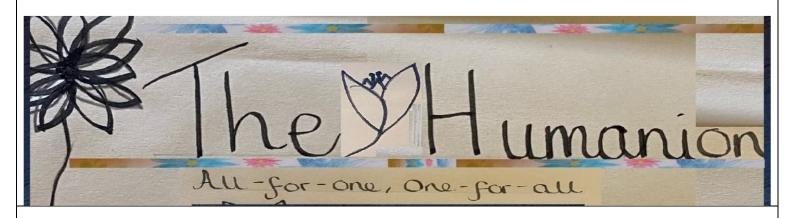
Regine Humanics Foundation Ltd Publishes The Humanion, The Ellaarch Humanion, The Humanion Portable, The Humanicsxian, among doing other things: We do not and shall not accept fundings or contributions from any type, form, manner and layer of Governments of national, international, supra-national or any other type or bodies formed by them nor from rich individuals or bodies or agencies of any kind. This, to us, is as a matter of absolute philosophic principle to ensure our resolute and complete independence. The ways, in which, we invite support from the readers, members of the public and all other individuals and agencies and businesses of any kind, are: a: Voluntary Subscription Payments: b: Voluntary Contributions: c: The Minimal and Symbolic Membership Fees: d: Buying a Copy of The Long Walk to Humanics: e: Contributing to Our Events: f: Subscribing to Our Publications and g: Advertisement in Elleesium Group of Publications.

You make a conscious, wilful and philosophic choice to Support Elleesium Group of Publications and The Foundation. If, you do: thank you: If, you do not, thank you, too, for reading The Humanion, The Humanicsxian and The Humanion Portable. The world has, apparently, accepted that Capitalism is the High Pinnacle of All Systems and, some still dream that Marxism will rescue humanity from this Killing Mechanism Capitalism, we refuse to subscribe to that. Humanics is the Post-Marxist and Post-Capitalistic World View of What Humanity can be and what it can do and how infinitely better a human condition can be created in a Humanical Society, by eradicating ownership and money and by establishing belongingship in human enterprise, setting all humans at liberty and equality under the rule of law in natural justice with a direct form of democracy, humanics calls it, Humanicsovics, in which, each human soul is her:his own High Representative. In this, Humanics is the Minority Vision and we do not and can not expect millions and billions of people supporting our vision today but We Whole-Heartedly Believe That ONE DAY This Humanity Shall BE ALL HUMANICAL: By When: We Know Not But This: That Being a Monstrous Killing Mechanism Capitalism IS Unsustainable: The World Shall Change One Day and Every Change Begins with an Idea, with a Vision:

We invite you to Envision the Vision and Philosophy of Humanics and Support The Humanion, The Humanion Portable and The Foundation to Keep Taking Forward the Vision and Philosophy of Humanics, to Keep on Challenging Capitalism's Poverty Paradigm, for an Infinitely Better Humanity in an Infinitely Better Human Condition for All Humanity Across Mother Earth. Thank You.



| | The Humanion | |



Editor-In-Chief Munayem Mayenin

editor@thehumanion.com

Chief Deputy Editor

Dr J Everet Green

JEveretGreen@thehumanion.com

Editorial Contact: editor@thehumanion.com

The Foundation Contact: elleesium@reginehumanicsfoundation.com

The Ellaarch Humanion Contact: elle@theellaarchhumanion.com



| | Published by: Regine Humanics Foundation Ltd: A Human Enterprise: A Company Ltd by Guarantee: Registered in England and Wales as Not for Profit Social Enterprise: Company No: 11346648 | |



| Support The Foundation | thehumanion.com | theellaarchhumanion.com | thehumanionportabledaily.com | thehumanion.com/TheHumanicsxian.htm | reginehumanicsfoundation.com |