

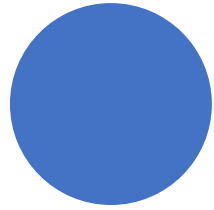
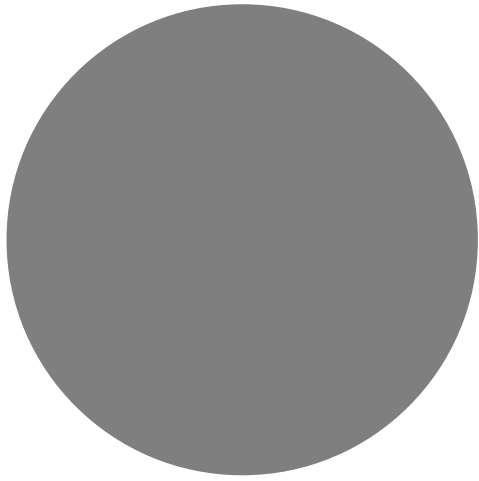
Enterprise Development International Forum of International Horticultural Exhibition 2019 Beijing

"Live Green, Live Better : Roles and Responsibilities of Businesses"

Analysis of the emergence of an ecological civilization by IA Mileva

Becoming the earth's gardeners to create an ecological civilization

成为地球的园丁创造生态文明



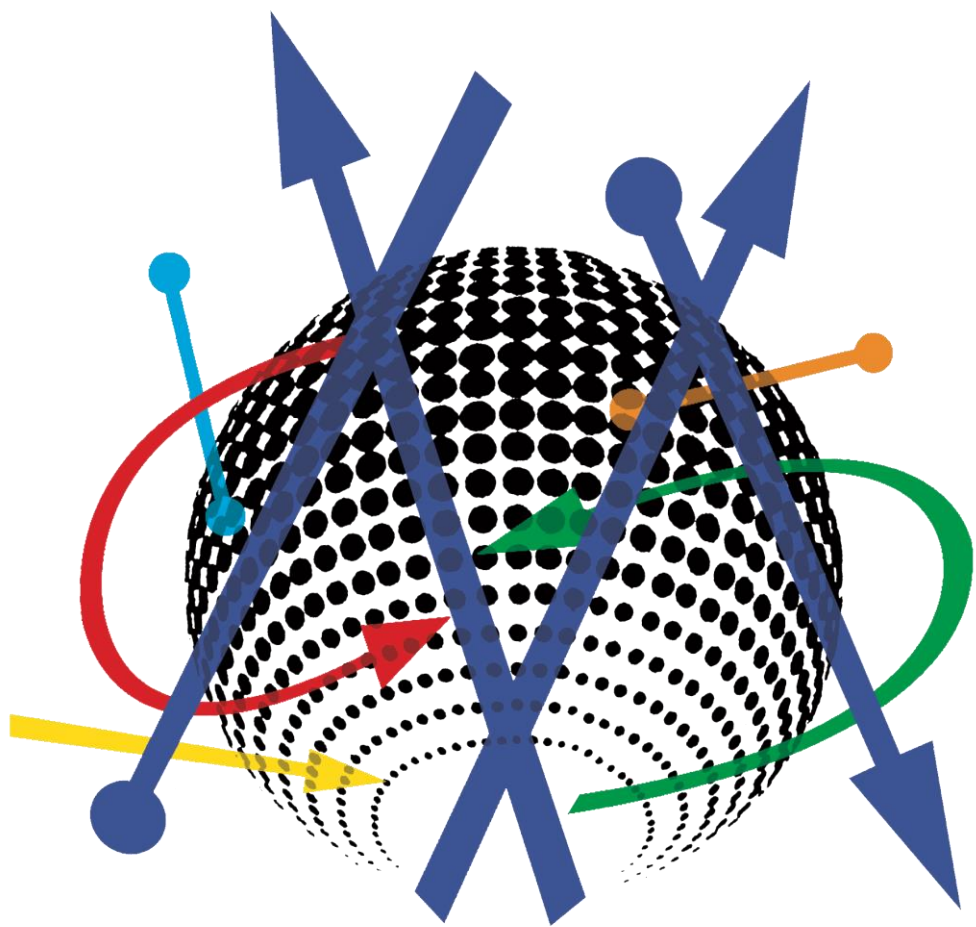
The presentation that follows about "Live Green" and the emergence of an ecological civilization is built around an analysis of Global History key dynamics produced in June 2017 by Mileva, an Advanced Artificial Intelligence System.

随后关于"绿色生活"和生态文明出现的展示，是以由2017年6月先进人工智能系统Mileva制作的全球历史关键动态分析为构建。

"It is good to plan and remember, one eye in the past, and the other towards the future"

Publilius Syrus

« 计划并记住是好事，一只眼睛在过去，另一只眼睛面向未来 »
普布利利乌斯·西鲁斯



MILEVA

An Advanced Artificial Intelligence System

- Analyses of complex situations and forecast.

Some References

- Business Intelligence firm Geneva; Private banks Geneva; Airline company East Africa; United Nations (Sanctions Committee to the Security Council); MIT (department of cyber international relations); Geneva Centre for Security Policy...

先进的人工智能系统
分析和预测

一些参考

日内瓦商业情报公司;日内瓦私人银行;东非航空公司;联合国(安全理事会制裁委员会);麻省理工学院(网络国际关系部);日内瓦安全政策中心...

GLOBAL HISTORY KEY DYNAMICS (June 2017)

全球历史关键动态 (2017年6月)



Objectives

- Identifying the **world history key-dynamics**
- In a **global** and **very long-term perspective**
- In order to identify the **fabric of reality**

Methodology

- Producing an analytical framework called **referential**
- Composed of **63 heterogeneous and autonomous smart agents**
- Working on the base of **60,000 keywords**
- Period covered by the referential: **200,000 BCE/2016** (Middle Palaeolithic)
- **Question** "Global History Key-Dynamics" combined with this referential.

目标

识别世界历史关键动态
从全球和非常长远的角度来看
为了确定现实的结构

方法

生成称为参考的分析框架
由 **63** 个异构和自主智能代理组成
在 **60,000** 个关键字的基础上工作
参考涵盖的期间: **200,000 BCE/2016** (中旧石器时代)
问题"全球历史关键动态"结合这个参考。

GLOBAL HISTORY KEY DYNAMICS

全球历史关键动态

ACCORDING TO MILEVA WHAT IS THE GLOBAL HISTORY KEY DYNAMIC SINCE PALEOLITHIQUE PERIOD TO JUNE 2017 ?

ANSWER : A BRAIN-DRIVEN WORLD

- Idealization (religion, ideology, art)
- Chronicles (Majors events that have happened during various historic periods.
- Subjectivity (emotions and psychological aspects. The world is not governs only by economics et politic rules.

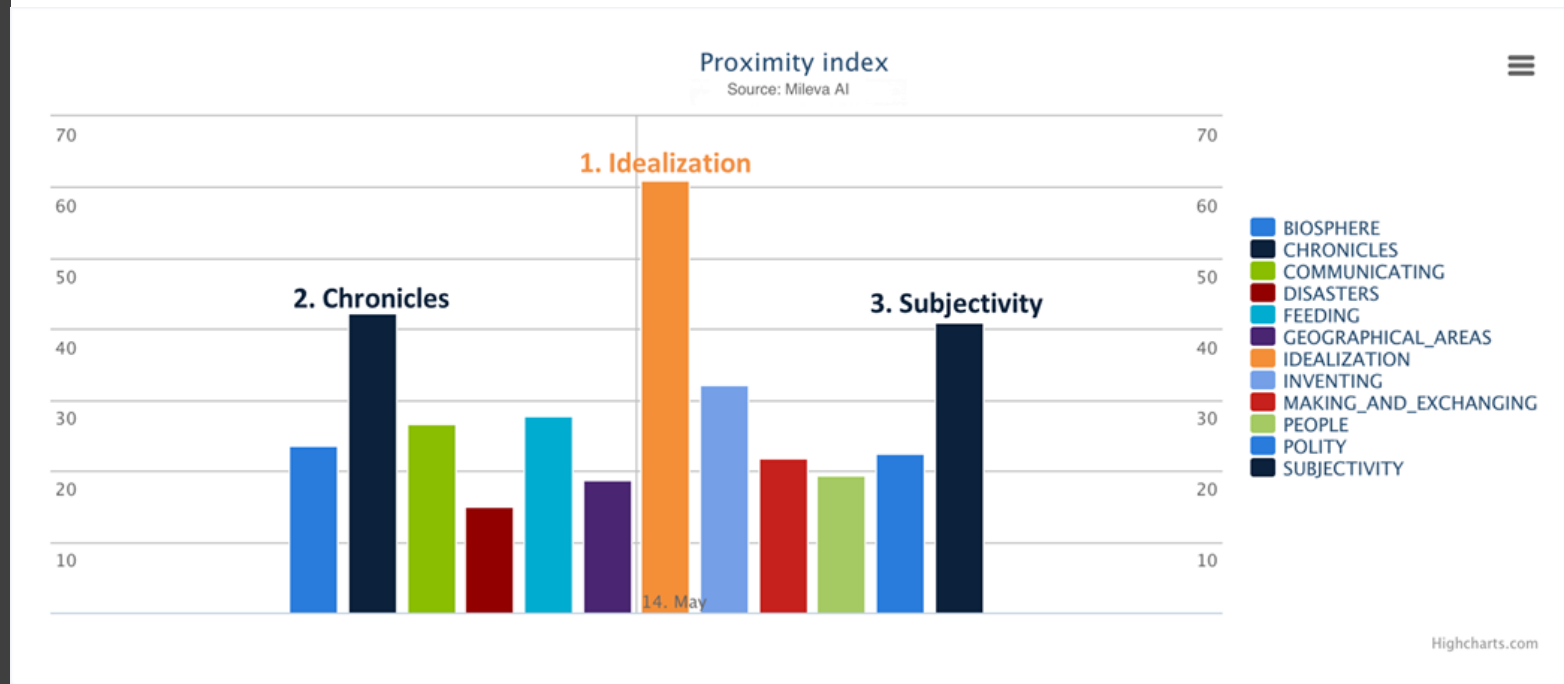
根据人工智能米列瓦我们提出从旧石器时代到今天到底什么是全球历史关键？

答案：一个脑力世界

理想化（宗教、意识形态、艺术）

纪事（发生在各个历史时期的主要事件）。

主观性（情感和心理方面。世界不是仅仅靠经济和政治规则来统治的）

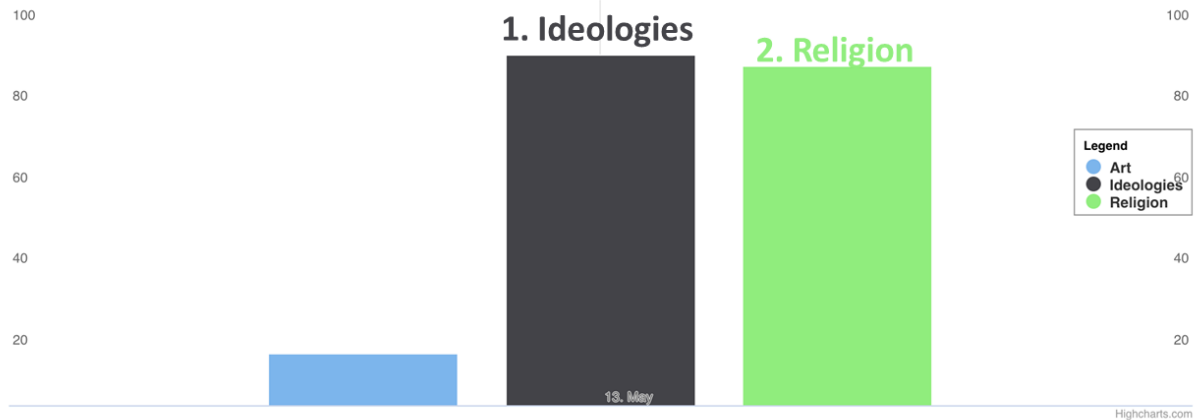


GLOBAL HISTORY KEY DYNAMICS

全球历史关键动态

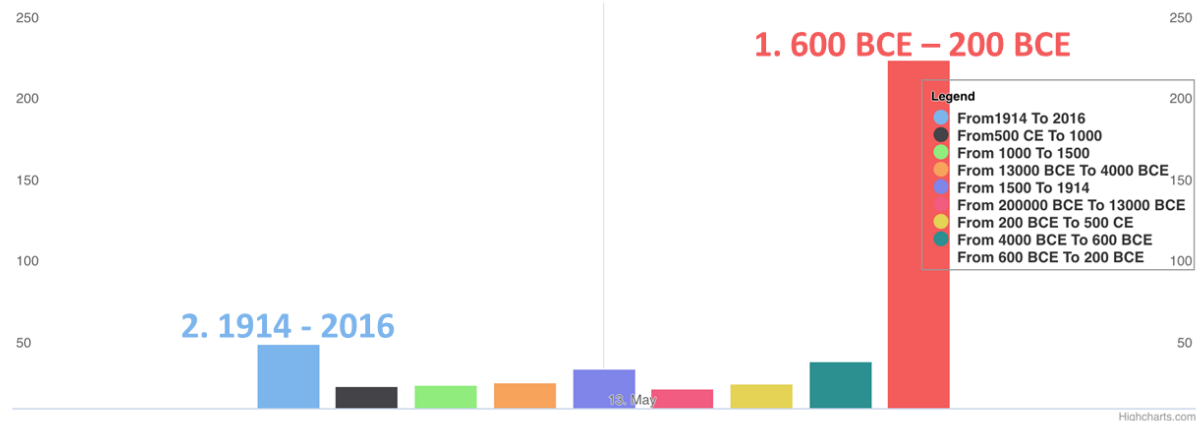
IDEALIZATION proximity index

Source: Mileva AI



CHRONICLES proximity index

Source: Mileva AI



➤ Idealization

Ideologies and religion are the main drivers within the idealization category.

➤ Chronicles

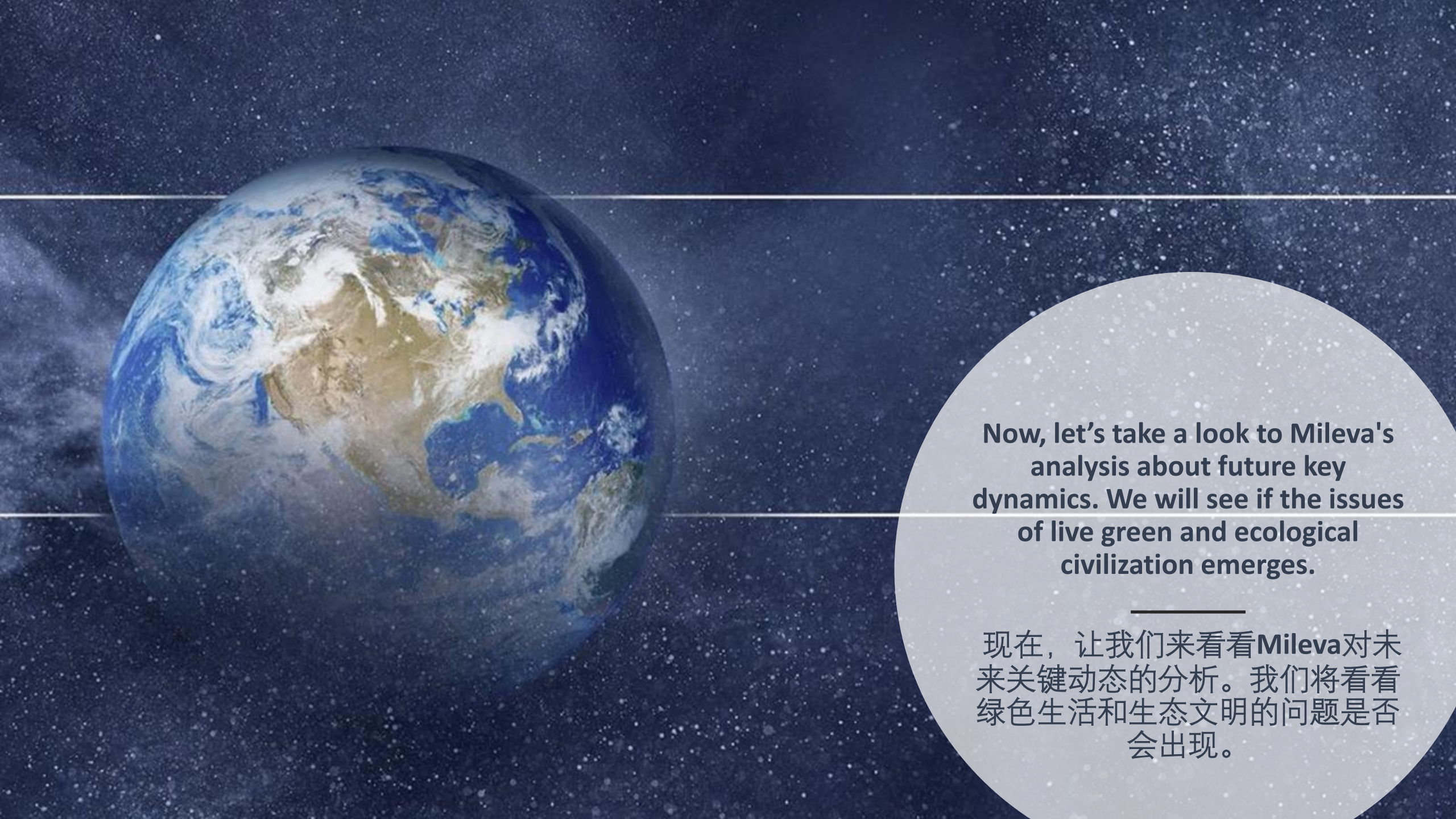
600 and 200 Before Christ is the key period in the history of humanity. This result is in line with Karl Jaspers' or Arnold Toynbee's works, who defined it as the axial age of world history, that of new ways of religious, philosophical and scientific thinking in Persia, China, India, the Greek world and Judea. This in accordance with the idealization key-dynamic.

➤ 理想化

意识形态和宗教是理想化范畴的主要驱动力。

➤ 编年史

公元前600年-200年是人类历史上的关键时期。这一结果与卡尔·贾斯珀斯或阿诺德·汤因比的作品一致，后者将其定义为世界历史的轴向时代，以及波斯、中国、印度、希腊世界和犹太宗教、哲学和科学思维的新方式。这符合理想化键动态。



Now, let's take a look to Mileva's analysis about future key dynamics. We will see if the issues of live green and ecological civilization emerges.

现在，让我们来看看Mileva对未来关键动态的分析。我们将看看绿色生活和生态文明的问题是否会出现。

GLOBAL HISTORY FUTURE KEY DYNAMICS

全球历史未来关键动态

ACCORDING TO MILEVA WHAT IS THE HIGHER PROBABILITY ABOUT THE GLOBAL HISTORY FUTURE KEY DYNAMICS ?

ANSWER : AN ENVIRONMENTAL-CONCERNED WORLD

- Feeding (agricultural technologies, cultivation, breeding, agricultural disturbances)
- Biosphere (Earth, climate, life, resources, water, oceans, biospheric disturbances)
- Idealization (ideologies, religion, art)

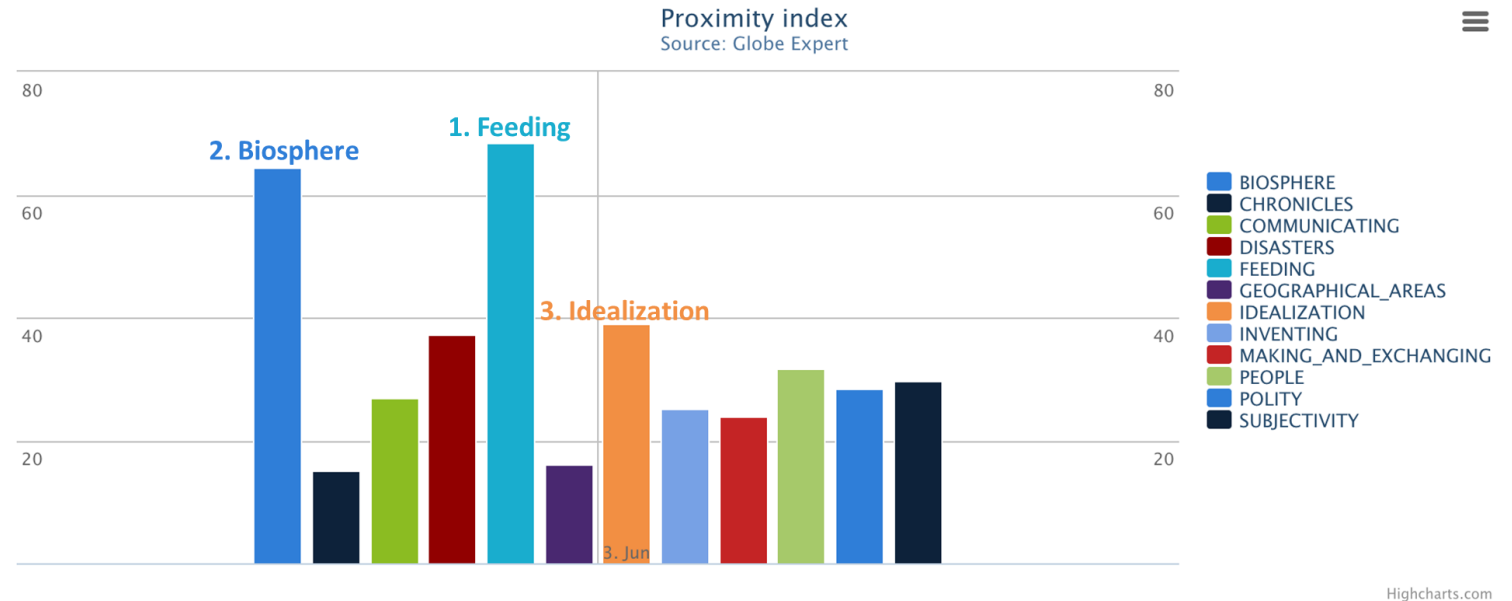
根据人工智能米列瓦，我们提出关于全球历史未来关键动态的更高概率是什么？

答：一个关注环境的世界

饲养（农业技术、种植、育种、农业干扰）

生物圈（地球、气候、生命、资源、水、海洋、生物层扰动）

理想化（意识形态、宗教、艺术）



Focus on key themes

➤ Feeding

Cultivation and agricultural technologies are the main drivers within the Feeding category

➤ Biosphere

Climate and global warming are no longer topical in the coming time. What matters is their consequences on the Earth, its nature, on Life, resources, water and oceans. In a nutshell: the liveability of the Earth.

➤ 饲养

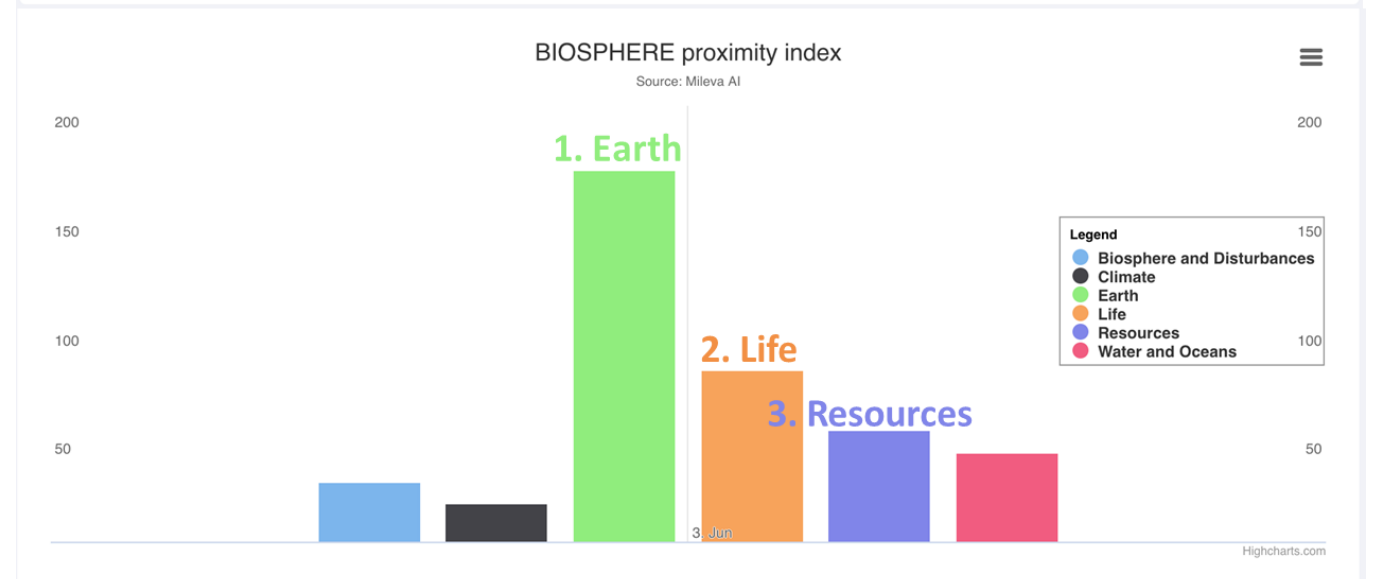
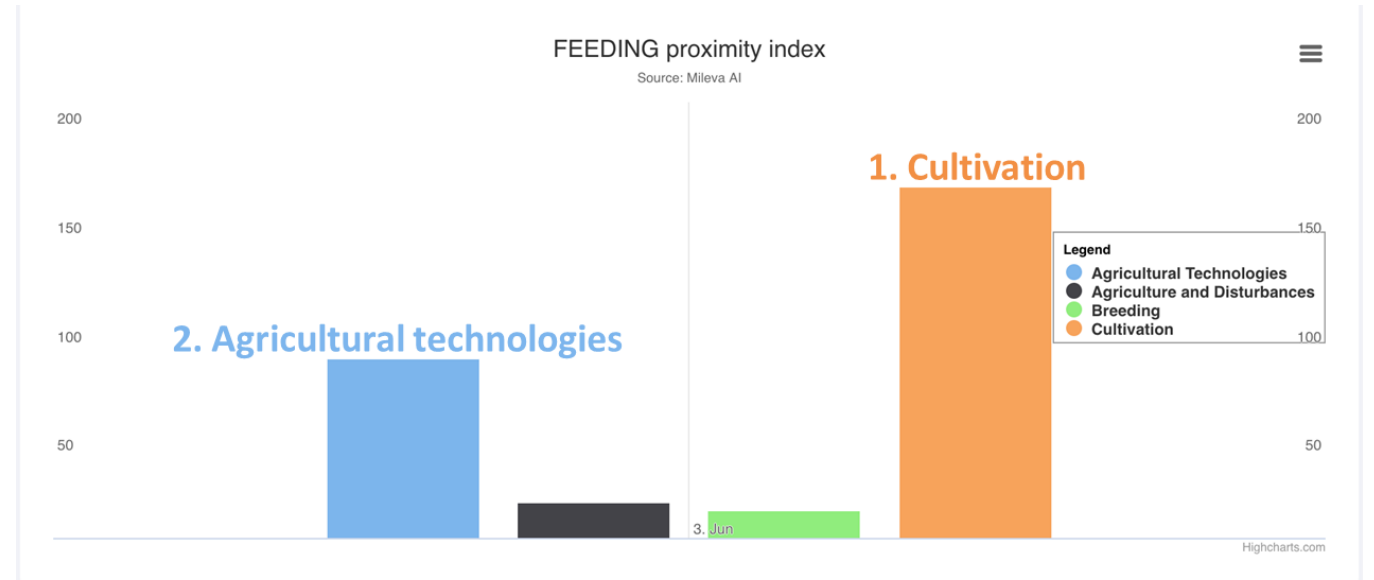
种植和农业技术是饲养范畴的主要驱动因素。

➤ 生物圈

气候和全球变暖在未来一段时间内已不再是热门话题。重要的是它们对地球、其性质、生命、资源、水和海洋的影响。简而言之：地球的宜居性

GLOBAL HISTORY FUTURE KEY DYNAMICS

全球历史未来关键动态





In 2007 China proposed for the first time to built an ecological civilization to bring sustainable development to the same level as human civilization.

Let's see if Mileva's anlalysis reflects the current reality.

2007年，中国首次提出建设生态文明，使可持续发展达到与人类文明同等的水平。

现在让我们看看米列瓦的分析是否反映了当前的现实。

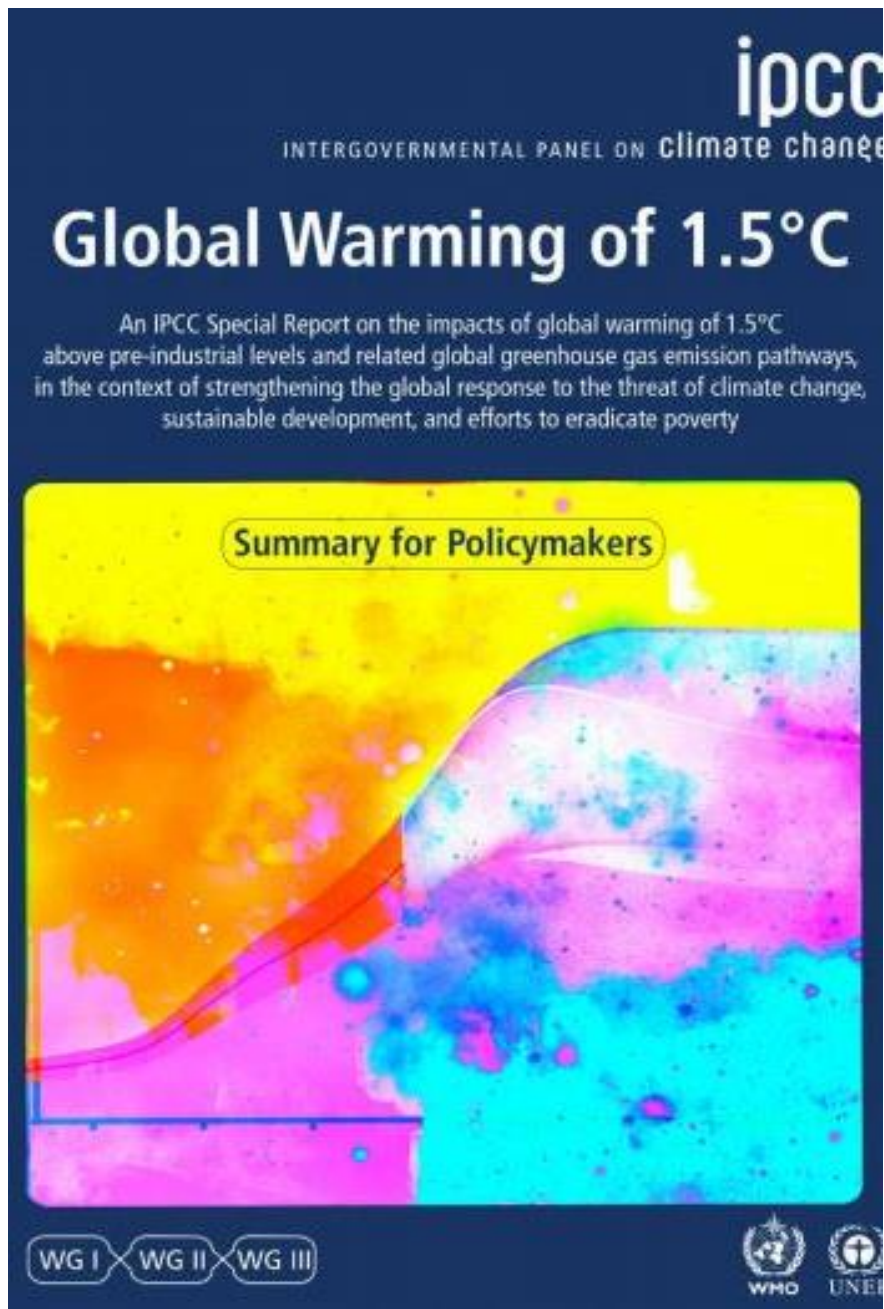


Geopolitic / 地缘政治

The increase of the major international agreements in the fight against climate change.

在应对气候变化方面，主要国际协定的增加。





The Global Assessment Report on Biodiversity and Ecosystem Services

Extensive media coverage of the IPCC special Report on the impacts of global warming or The IPBES Global Assessment Report on Biodiversity and Ecosystem Services.

大量媒体报道气候变化专门委员会关于全球变暖影响的特别报告或《生物多样性和生态系统服务全球评估报告》。

Science / 科学



Green Jobs are a generator of growth in the European Union.

绿色就业是欧盟经济增长的发电机。

Economy / 经济



Learning to farm the soil or recycle waste is now taught at school.

今在课堂上已经开始学习如何耕种土地和垃圾回收。

Education - 教育



The development of digital tools for green and solidarity citizen initiatives

为绿色而发展的数字工具以及自发的市民团结

Society / 社会

Spirituality 精神



In 2012, Christian BERNARD, President of the worldwide Rosicrucian Order presented a « Plea for Spiritual Ecology" » in the Senate of Brazil, on the occasion of the United Nations Conference on Sustainable Development (Rio-20).

2012年，在联合国可持续发展大会（Rio-20）之际，全球玫瑰十字会的总裁兼首席执行官克里斯蒂安·伯纳德在巴西参议院提出了“为精神生态辩护”。

Pope Francis published in 2015 an encyclical on human ecology name Laudato si' .

教皇弗朗西斯在2015年发表了一篇关于人类生态学的通周期文章，名为Laudatosi'。



COAL

Art et développement durable



MUSÉE DU VIVANT
AGROPARISTECH

Art / 艺术

COAL Prize has recognized for the past decade, young artists taking on environmental issues to create a culture of ecology.

在过去的十年中，COAL奖表彰了致力于关注环境问题的年轻艺术家，以创造一种生态文化。

The Living Museum in Paris is the first international museum on ecology.

巴黎生活博物馆是第一个国际生态博物馆。

(TRAITÉES CHIMIQUEMENT)



CERTAINES POMMES DE TABLE FRANÇAISES PEUVENT RECEVOIR JUSQU'À** :

1,8 TRAITEMENTS HERBICIDES (IFT)*** 15,7 TRAITEMENTS INSECTOCIDES (IFT)*** 28,8 TRAITEMENTS FONGICIDES (IFT)***



Green advertising has the wind in its sails.

绿色广告正在以更破浪之势兴起。

Advertising / 广告



Festival, Movie, Amusement Park : the entertainment industry is also on the crest of the green wave.

节日，电影，游乐园：娱乐业也站在绿浪的顶峰。

Entertainment / 娱乐



SO YES

We are living in an ecological **revolution that began in the 1970s, with people like René Dumont**, a French engineer in agronomy and an environmental politician. at first silent, **this revolution accelerated in the 1990s with the Brudlandt Report**; and which now affects society as a whole.

This is a real break in history because since the Neolithic Age human has continued to use and modify nature without worrying about the consequences.

所以“是的”

我们生活在一场始于20世纪70年代的生态革命中，诸如像勒内·杜蒙特这样的人，他是法国农学工程师和环境政治家。起初沉默，这场革命在90年代的布鲁德兰报告中加速前进；现在影响整个社会。

这是历史上的一个真正突破，因为自新石器时代以来，人类一直在消耗和修改自然，而并没有担心后果。

But, let's be careful !

This ecological revolution goes hand-in-hand with the rise of mistrust and distrust towards Government and industry bodies. Here are some examples.

但是，我们需要小心

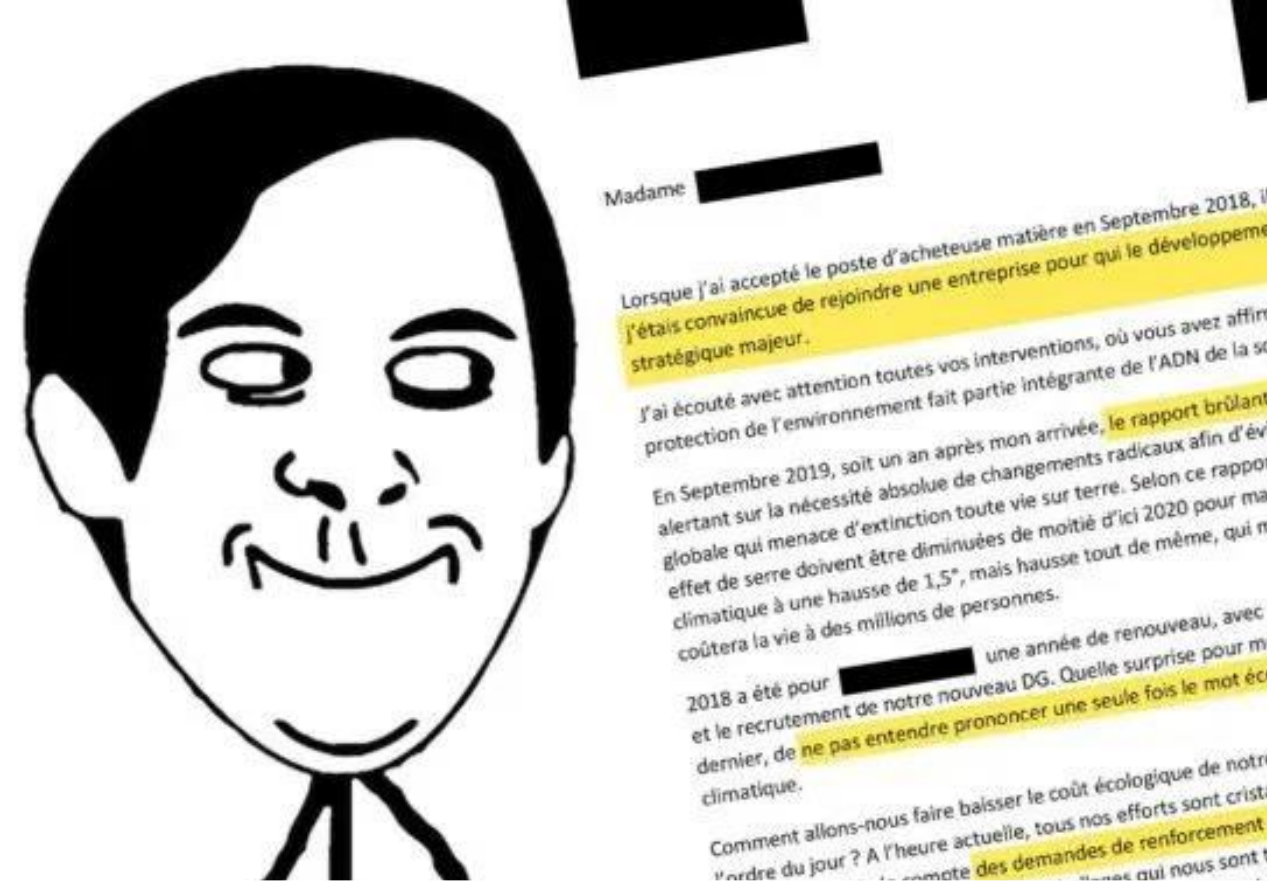
这场生态革命与对政府和行业机构的不信任和不信任的加剧是齐头并进的。下面是一些示例。





Since the media coverage of Greta Thunberg, young Europeans and Americans have increasingly been slitting their classes to protest against governments' inaction in the fight against climate change.

自从媒体对瑞典小姑娘GretaThunberg进行报道以来，欧洲和美国的青年人越来越多地分门别类，抗议政府在应对气候变化的斗争中无所作为。



A French woman shares her resignation letter to denounce the "ecological laxity" of her company.

一名法国女子分享她的辞职信，谴责她的公司的“生态松懈”。



Two young French people have developed a participatory platform to boycott companies that would accumulate responsibilities in the ecological and social crisis.

两个法国年轻人开发了一个参与平台联合抵制那些在生态和社会危机中积累责任的公司。

Businesses contested and Boycotted by young citizens.

年轻公民对商业进行反抗和抵制。

The advent of convictions for crimes against the environment

对危害环境罪行定罪的出现

The condemnation of the Dutch state for inadequacy in its policy to combat climate change was a historic first. The Hague Court of Appeal upheld the trial judgment in October 2019.

荷兰政府因其应对气候变化的政策不力而受到谴责，这是历史上的第一次。且海牙上诉法院于2019年10月维持了审判判决。

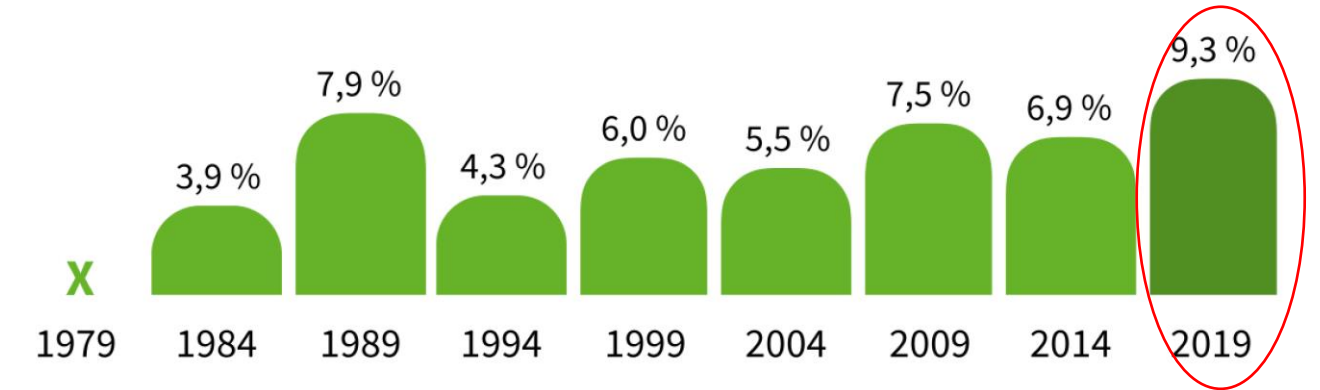


In May 2019, the ecological dynamic confirmed by a 40% increase in the representation of ecologists in the European Parliament illustrates a change in the citizen vote.

2019年5月，生态学家在欧洲议会的代表增加了40%，证实了生态动态，这表明公民投票发生了变化。



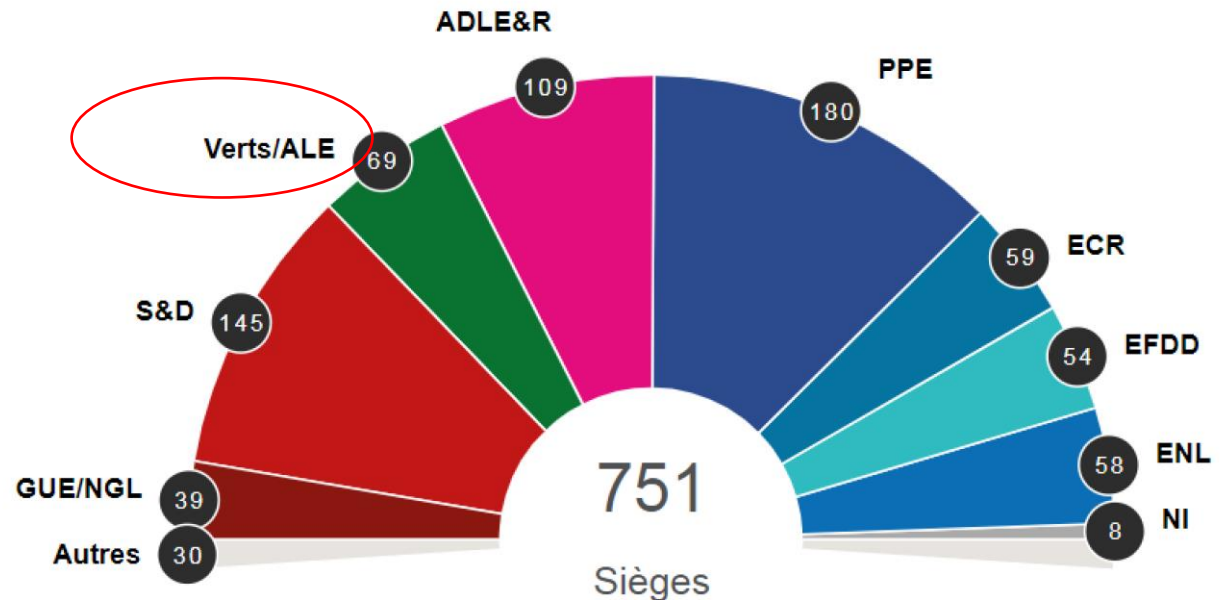
RÉSULTATS DES ÉCOLOGISTES AUX EUROPÉENNES



1984-1994 : Groupe Arc-en-ciel (ARC)

1989-1999 : Le Groupe vert au Parlement européen (V)

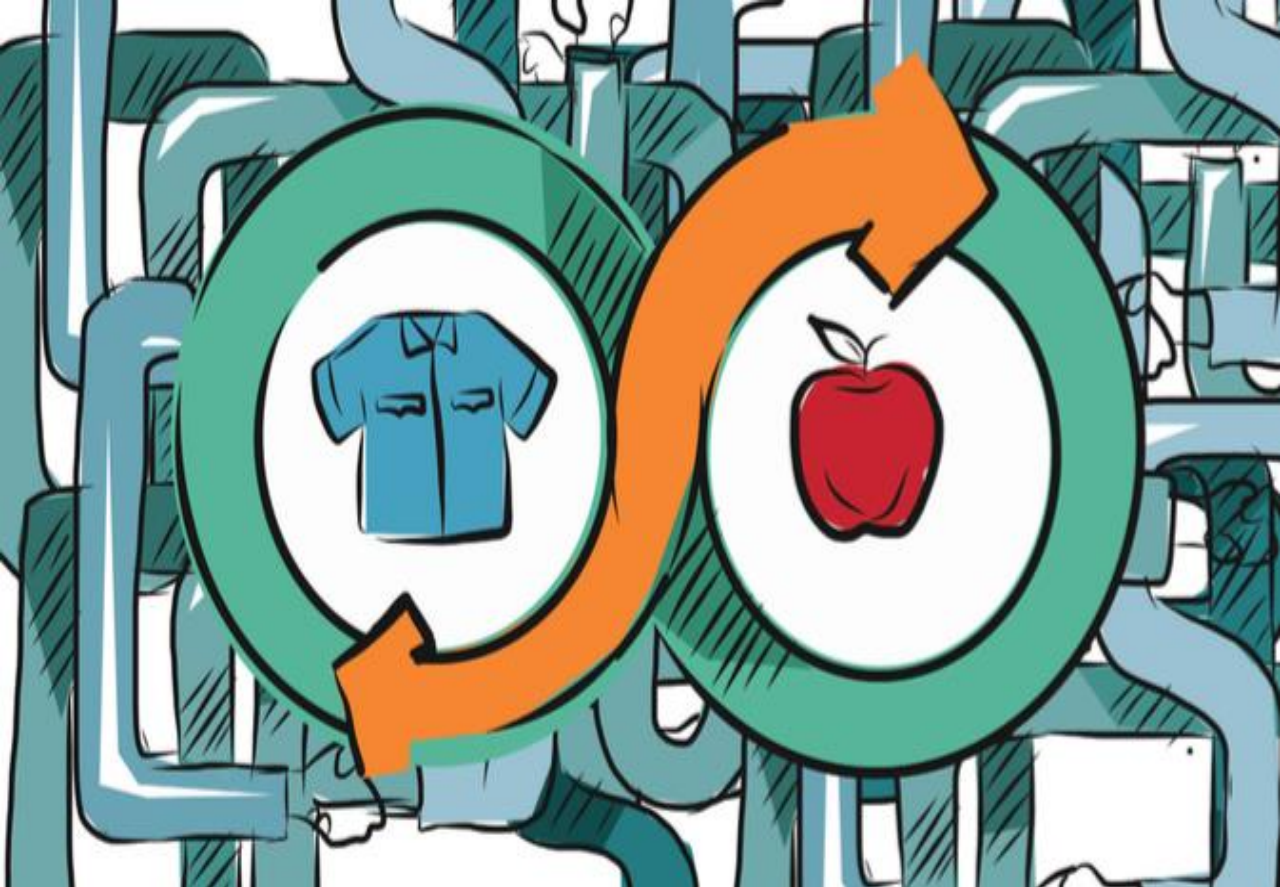
1999-2019 : Groupe des Verts/Alliance libre européenne (Verts/ALE)





Professional retraining : the quest for meaning

专业再培训：对意义的追求



TROC
Légumes.fr Je dis Je troc

Site gratuit
de petites annonces entre particuliers
pour trouver, échanger, ou donner
des fruits et légumes du jardin, près de chez-vous

1 Dans mon Jardin, je possède ...

2 Je dépose une annonce gratuitement sur www.troc-legumes.fr

3 Une personne m'a contacté grâce à mon annonce

J'ai trouvé de bons légumes d'un jardin, près de chez moi!

www.troc-legumes.fr

The image is a promotional poster for 'TROC Légumes.fr'. It features the website's logo at the top left, which includes a small yellow tag that says 'Je dis Je troc'. To the right of the logo, the text 'Site gratuit' is written in bold, followed by a description of the site's purpose: 'de petites annonces entre particuliers pour trouver, échanger, ou donner des fruits et légumes du jardin, près de chez-vous'. Below this, a three-step process is illustrated with numbered icons and speech bubbles. Step 1 shows a green stick figure with a speech bubble saying 'Dans mon Jardin, je possède ...' next to a list of various fruits and vegetables. Step 2 shows a computer monitor displaying the website's URL 'www.troc-legumes.fr' with a speech bubble saying 'Je dépose une annonce gratuitement sur www.troc-legumes.fr'. Step 3 shows two stick figures, one green and one orange, with a speech bubble from the green figure saying 'Une personne m'a contacté grâce à mon annonce' and a speech bubble from the orange figure saying 'J'ai trouvé de bons légumes d'un jardin, près de chez moi!'. At the bottom of the poster, the website's URL 'www.troc-legumes.fr' is repeated.

The barter system, an alternative to capitalism

易货制度，资本主义的一种替代



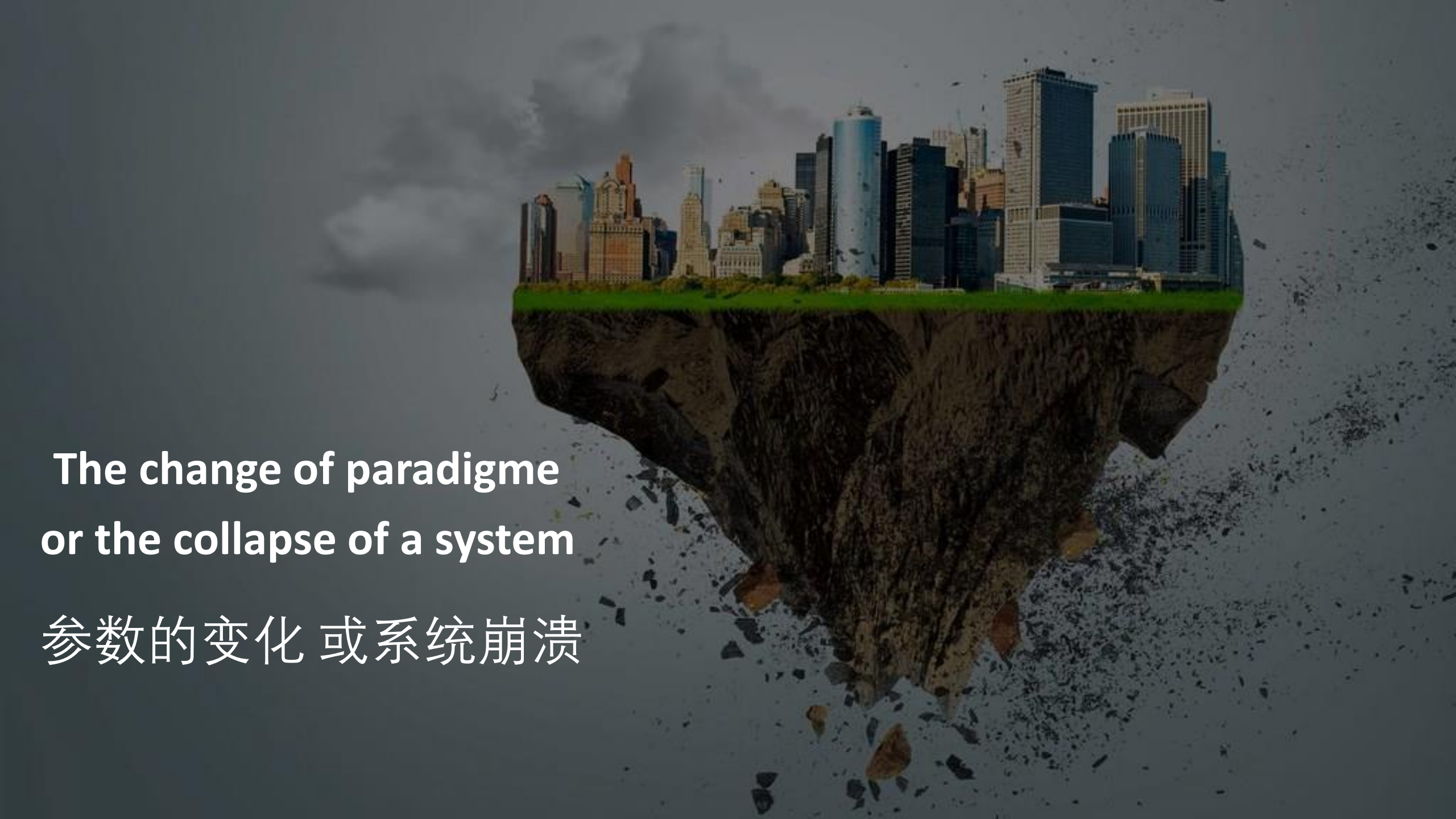
Broom made with recycled plastic bottles
用回收塑料瓶制成的扫把



Bed made with recycled pallets
用再生托盘制成的床

**The " Do it yourself " culture : a bulwark
against the unbridled consumerism.**

**"自己动手"文化：是对抗肆无忌惮的
消费主义的堡垒。**

A conceptual image showing a city skyline, including several skyscrapers, resting on a thin layer of green grass atop a large, dark, jagged rock formation. The rock formation is suspended in a dark, cloudy sky. Below the rock, a large amount of grey and brown debris is falling away, suggesting a collapse or disintegration. The overall scene is dramatic and evokes a sense of instability and impending disaster.

**The change of paradigme
or the collapse of a system**

参数的变化 或系统崩溃

Synthesis / 合成

The Global history key dynamics reveal :

- At the bottom of every civilizational aspiration there is an ethical or spiritual motivation
- The economy is not an absolute value. The interaction of selfishness is not enough to produce "naturally" the good of all as Mandeville or Adam Smith may have thought.

The Global history future key dynamics reveal :

- The creation of an ecological civilization is not a utopia but a fundamental trend.
- The Western world is experiencing an unprecedented politic and economic disruption.

全球历史关键动态揭示：

- 在每一个文明愿望的底部，都有一种伦理或精神动机。
- 经济不是绝对值。自私的相互作用并不足以产生曼德维尔或亚当·斯密所想的"自然"的善。

全球历史未来关键动态揭示：

- 生态文明的创造不是乌托邦，而是根本的趋势。
- 西方世界正在经历前所未有的政治和经济混乱。





Unanswered questions

未回答的问题

- Est-ce que nous allons continuer à alimenter le « capitalisme devenu fou » ou allons nous imaginer un système plus durable ?
- Will it be necessary to propose a universal ethic to build ecological civilization?

Conclusion / 结束

In the conclusion of *Candide*, Voltaire, the French philosopher asserts that "we must cultivate our garden", that is, the world. It is the responsibility of everyone to take care of the earth and to act for sustainable progress.

The only question is : are we ready to become gardeners of the world and the builders of ecological civilization?

法国哲学家伏尔泰在《老实人》一文中断言，"我们必须培育我们的花园"，即世界。人人有责任照顾地球，为可持续进步采取行动。

唯一的问题是：我们是否准备好成为世界的园丁和生态文明的建设者？



Sonia EYAAN
Deputy General Commissioner
France Pavilion
Expo 2019 Beijing

索尼娅·埃亚安
副总专员
北京世园会法国馆

