

World – 2030: scientific progress or turbulence and cataclysms? The path to Mars

Rui Verde

London, 12th April 2019

Foresee the future?

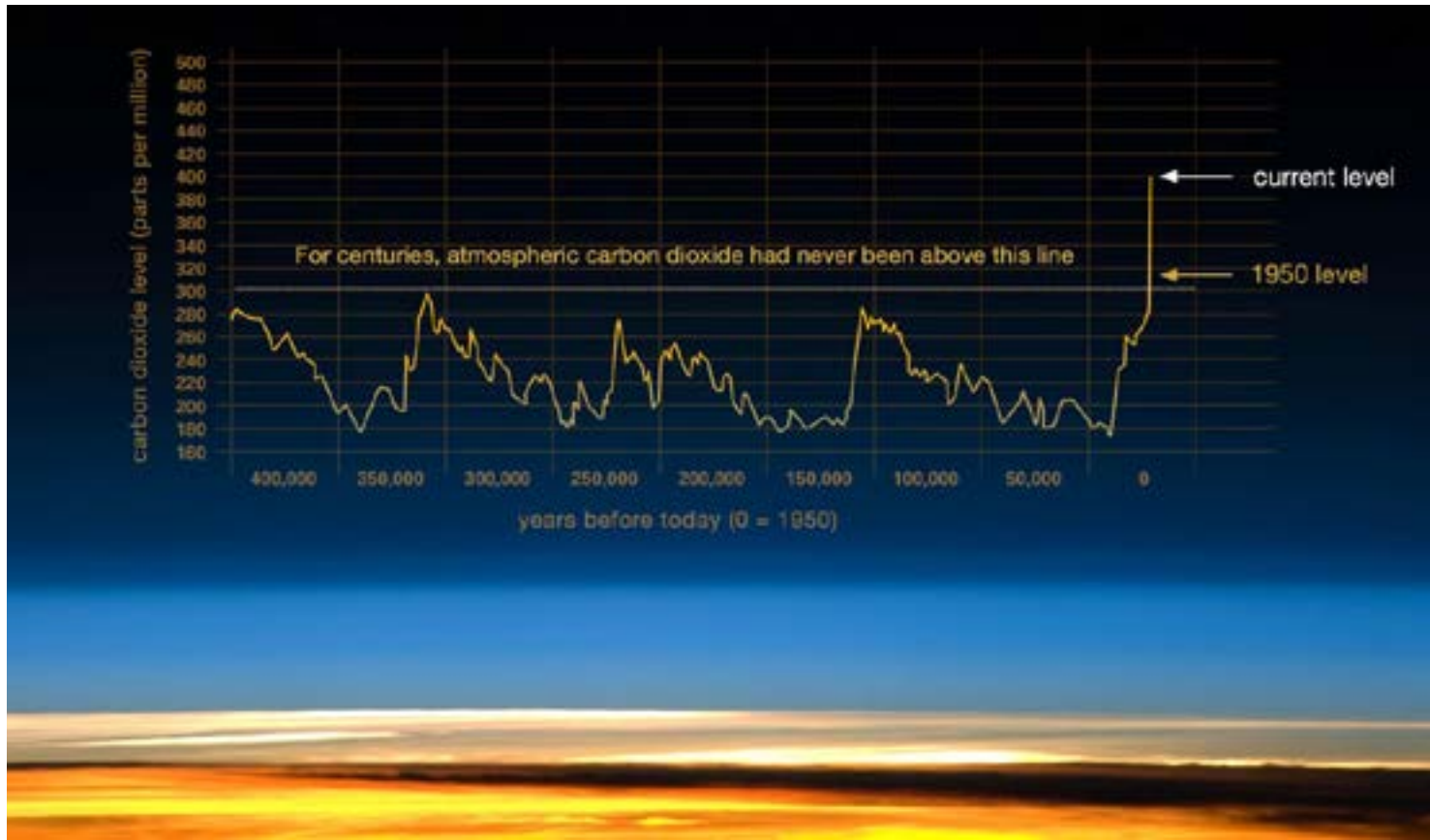
- "There is no likelihood man can ever tap the power of the atom."
Robert Millikan, USA, Nobel Prize in Physics, 1923
- 20 years after the power of the atom was tapped...





Turbulences and cataclysms

- Climate change ?
- Worldwide war ?
- Demographic explosion with Malthusianan effects ?



Climate change

- Water and desert? Or relocation to the Poles and Hinterland?
- Gaia hypothesis pushed forward.



Worldwide war

Prospects:

- The rise of China- UK and German (First World War-1914/1918)
- Gulf-domino effect-Iran/Saudi Arabia/Israel/Qatar
- “Crazy leader”
- New alliance Russia/China?



Demographic explosion with Malthusian effects

- This century the world will come face to face with the results of the biggest population explosion in human history.
- This is generally held, but could be wrong.
- Without taking action now, billions of people across the world could face thirst, hunger, slum conditions and conflict.
- It will be necessary:
 - doubling agricultural production in four decades,
 - water consumption will need a 30% increase by 2030, and
 - three billion extra people will seek shelter in urban settings by mid-century.



Mars

- The usual answer to those worries is to develop technology and/or impose restrictions.
- However, there is a enormous challenge that could constitute a novel answer:

Going to Mars and establish there human communities

- Investors should be aware of that opportunity and embark in such project.



The world's fastest growing economies

Forecast GDP growth, 2017



Source: World Bank

Meanwhile, on Earth

- Future of Economic Development is in the axis **Asia-Africa**
- China is already establishing strong relations with Africa.

Ex: Forum on China–Africa Cooperation (FOCAC)

- India initiated a policy movement towards Africa, too.

Ex: India-Africa Project Partnership (CII)

- So it is expected that such trends will improve.
- Investment in projects that link Asia and Africa.



A mosaic depicting a group of men in classical attire, possibly a philosophical or political assembly. The men are shown in various poses, some seated and some standing, engaged in conversation. The background features architectural elements like columns and a tree. The mosaic is composed of small, colorful tiles.

Europe and UK/Brexit

- Europe will be the Athens of the World, as Athens was the inspiration for education and culture in the Roman Empire, but not anymore an economic powerhouse.
- UK/Brexit can return to the anguish of the 1970s and even disintegrate if a strong, fresh and innovative leadership does not emerge.

Conclusion
All this may
be wrong
but...

