

ORA

THE LIMITS OF THE PLANET IMAGINARIUM

with the scientific contribution of



Agencia
Spaziale
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EGOMIRGO



ISTITUTO NAZIONALE
DI GEOFISICA E VULCANOLOGIA





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THE LIMITS OF THE PLANET

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EGO  VIRGO



direction, visual art and sounds

Francesca Pasquucci and Davide Giannoni

IMAGINARIUM

piano

GIORGIO MARTANO

**"Planetary limits" are called the thresholds
that humanity should not cross to prevent the Earth from collapsing.
Nine fundamental environmental processes
by which the planet regulates itself.**

INTRODUCTION

1 / CLIMATE CHANGE

Pietro Mascagni- *Cavalleria Rusticana* intermezzo

Cities in chaos, of earthquakes, volcanic eruptions, polluted seas, alternate with the perception of cosmic "serenity."

We are catapulted into a dimension of total "disharmony," undoing the Platonic ideals of "Harmony of the Spheres" and any virtuous thought directed toward the natural equilibriums of Earth and Space, now gone lost due to the inordinate actions of man.

Time has run out; man has exceeded all "limits."



2 / LOSS OF BIODIVERSITY

Ottorino Respighi - *Notturmo*

Among the major causes of biodiversity loss are the increasing reliance on fossil fuels and the industrialization of agriculture.

NATURE'S TIME and MAN'S TIME are no longer aligned. Man has become a machine proceeding at an extreme speed, following a rhythm of his own that disrupts the rules of the SPACE OF THE POSSIBLE, and every action is no longer sustainable. Initially, music builds a wonderful Natural Radio. Colors and shapes arise from the perfect composition of groups of animals and plants, representing the ultimate expression of the beauty of the balance of biodiversity.

Suddenly, however, the radio begins to lose visual harmony, the compositions undergo uneven shifts coming to give us the dystopian vision of a lost instrument. The rhythm is broken, lost. Man, through the use of knobs, has sped up Nature's time to align it with his own, causing the imbalance of species and biodiversity.

3 / CHANGES TO NITROGEN AND PHOSPHORUS CYCLES

Ildebrando Pizzetti - *Da un autunno già lontano n° 1 and 2*

The use of chemical fertilizers and large-scale use of nitrogen and phosphorus is wiping out a giant swarm of bees. Humans have completely distorted the natural cycle of nitrogen and phosphorus, with serious consequences on land and sea animals, and on the waters themselves.

Scholars define the N₂ input limit into the atmosphere as a "giant's valve" that controls a massive flow of nitrogen throughout the year.

"Our" giant is now battered, adrift. He can no longer manage his nitrogen flows and his body is exploding, risking the inevitable leakage of poisonous gases.

4 / LAND USE

Mario Castelnuovo Tedesco - *"Candide" Marcia dei soldati bulgari*

The giant's head presents itself one last time to living beings.

It still has a composition made of natural elements and virtuous engineering parts, but the transformation of the face into a destructive machine is underway. A machine that emits noxious gases relentlessly.

5 / CHEMICAL POLLUTION

Mario Castelnuovo Tedesco - *"Le stagioni": Inverno e Estate*

The new face of the giant is that of a mad chemist giving birth to a kind of psychedelic hell. A hallucinogenic assembly line, a mad laboratory, moving behind, in and through the devilish mechanical face, of a "being" that has become haughty and greedy.

6 / FRESHWATER AVAILABILITY

7 / OCEAN ACIDIFICATION

Gian Francesco Malipiero - preludi autunnali 1 and 4

Water is BLUE GOLD. Waterfalls share the scene with skyscrapers made of sheet metal and scrap metal and plastic materials, surrounded by modified vegetation that still seeks a respite. As the waters recede, because vital resources begin to run out, they are followed by the last biological forms remaining. The water loses all life, and what remains is enclosed in the one, precious, remaining bubble.

8 / DESTRUCTION OF THE OZONE LAYER

9 / CONCENTRATION OF ATMOSPHERIC AEROSOLS

Nino Rota - preludio 2 and 5

Dystopian buildings turn into giant spray canisters, which they discover - love to still be habitations of human beings.

The canisters spray large amounts of gas, accompanying unregulated emissions from industrial chimneys and machines.

The ozone layer is being altered, eroded, and ultraviolet rays, breaking through the barrier, take all energy away from the life forms on the way.

Planetary limits have been exceeded, life on Earth has reached collapse.

FINALE

Giacomo Puccini - *Manon Lescaut* intermezzo



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