

THE SPHERE

by Alex Tael



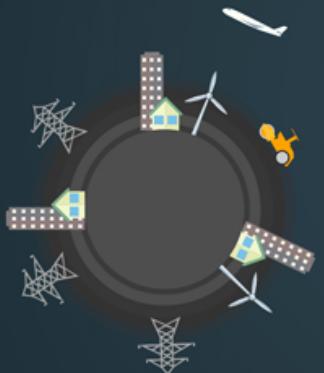
LITO



HYDRO



BIO



TECHNO



ATMO



NOO

The Sphere

“Bringing up doesn't only mean nursing and dandling, but also setting the direction for heart and soul”.
V.I.Vernadsky

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THE **LITOSPHERE**

THE EARTH'S CRUST



LAYERS OF THE EARTH'S CRUST



SEDIMENTARY LAYER



GRANITE LAYER



BASALT LAYER

The lithosphere is the supplier
of mineral and organic substances.



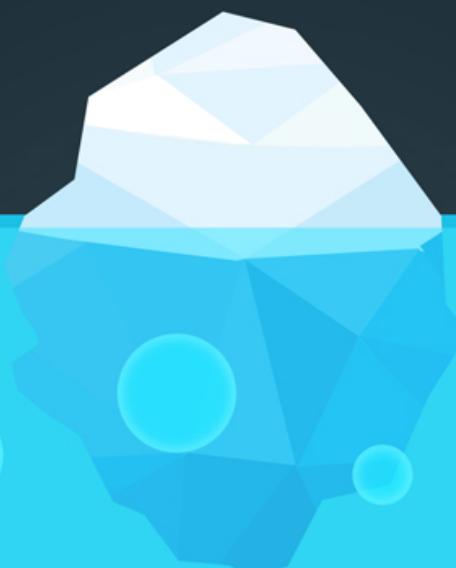
THE HYDROSPHERE

THE WORLD OCEAN



THE EARTH'S WATER RESOURCES

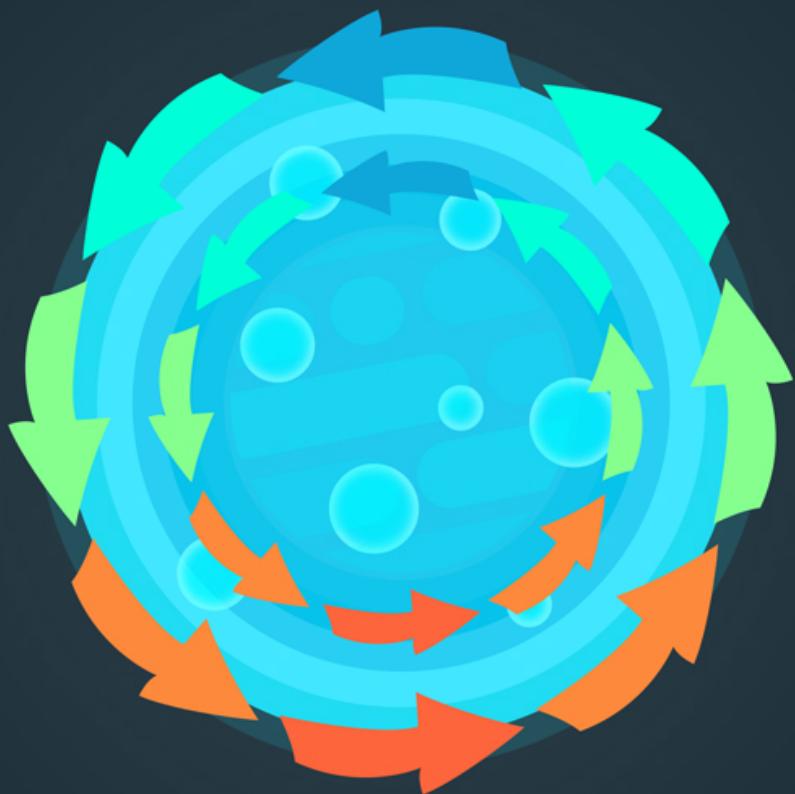
GLACIERS



SURFACE WATER

GROUNDWATER

Streams and currents transfer heat across the planet by moving ocean water heated up by the sun



WATER IS ESSENTIAL FOR BIOLOGICAL ORGANISMS' LIFE



THE BIOSPHERE

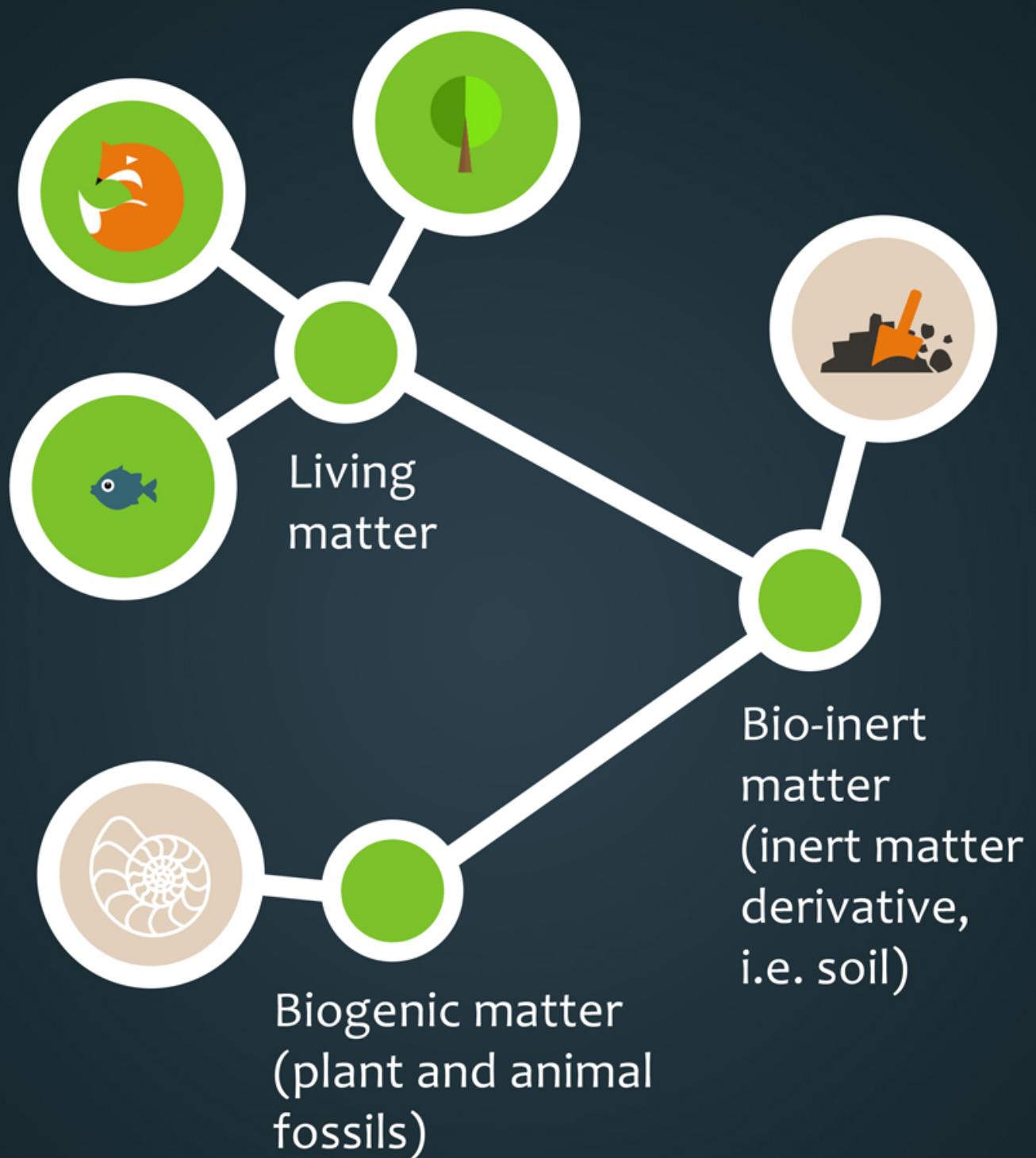
ANIMATE NATURE



The biosphere tends towards development, variety and balance



COMPONENTS OF THE BIOSPHERE

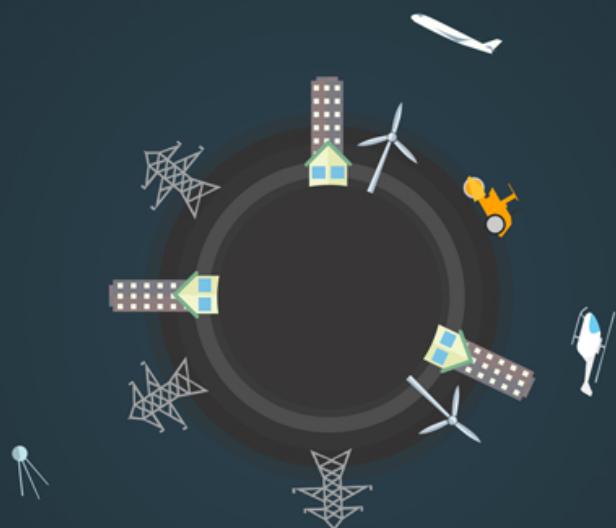


Human beings represent a biological species endowed with the freedom of choice and the ability to become intelligent



THE TECHNOSPHERE

ENGINEERING CREATIVITY



The technosphere protects people from nature and satisfies their needs of housing, transport, food production, education, etc



THERE ARE THREE TYPES OF TECHNOSPHERE:



Technocratic,
which destroys
the biosphere



Technological,
which doesn't harm
the environment



Biological, which is achieved
through developing human
organism's abilities and moving
away from technocracy

The technocratic technosphere
destroys and pollutes
the biosphere



THE **ATMOSPHERE**

A BLANKET OF AIR



LAYERS OF THE ATMOSPHERE

Air density decreases
with altitude in the
atmosphere

EXOSPHERE

200000 km

THERMOSPHERE

690 km



MESOSPHERE

80 km



STRATOSPHERE

50 km



TROPOSPHERE

7 km



The atmosphere protects our planet from solar radiation and the cold. It keeps in the air which all living organisms need

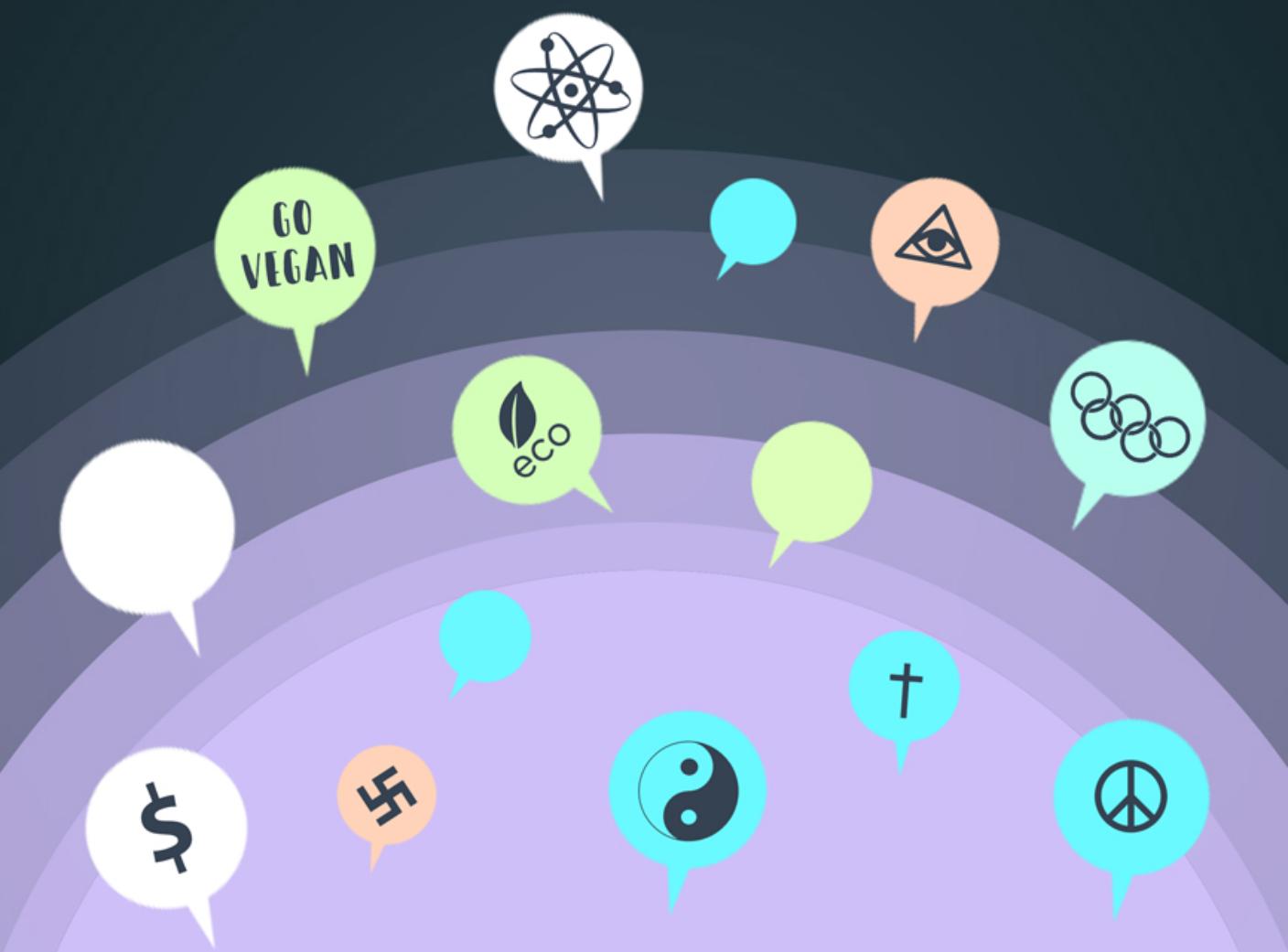


THE NOOSPHERE

THE SPHERE OF INFORMATION



The noosphere is created by people's thoughts. The more influential the idea is and the more followers it has, the more it affects life on our planet.



Thoughts can be kind, positive,
constructive or destructive.
Creativity is what makes a human
being a great geological power.



Let your dreams and deeds be kind
and pure, so that one day you can
become the power that will lead
our planet to harmony and
development

