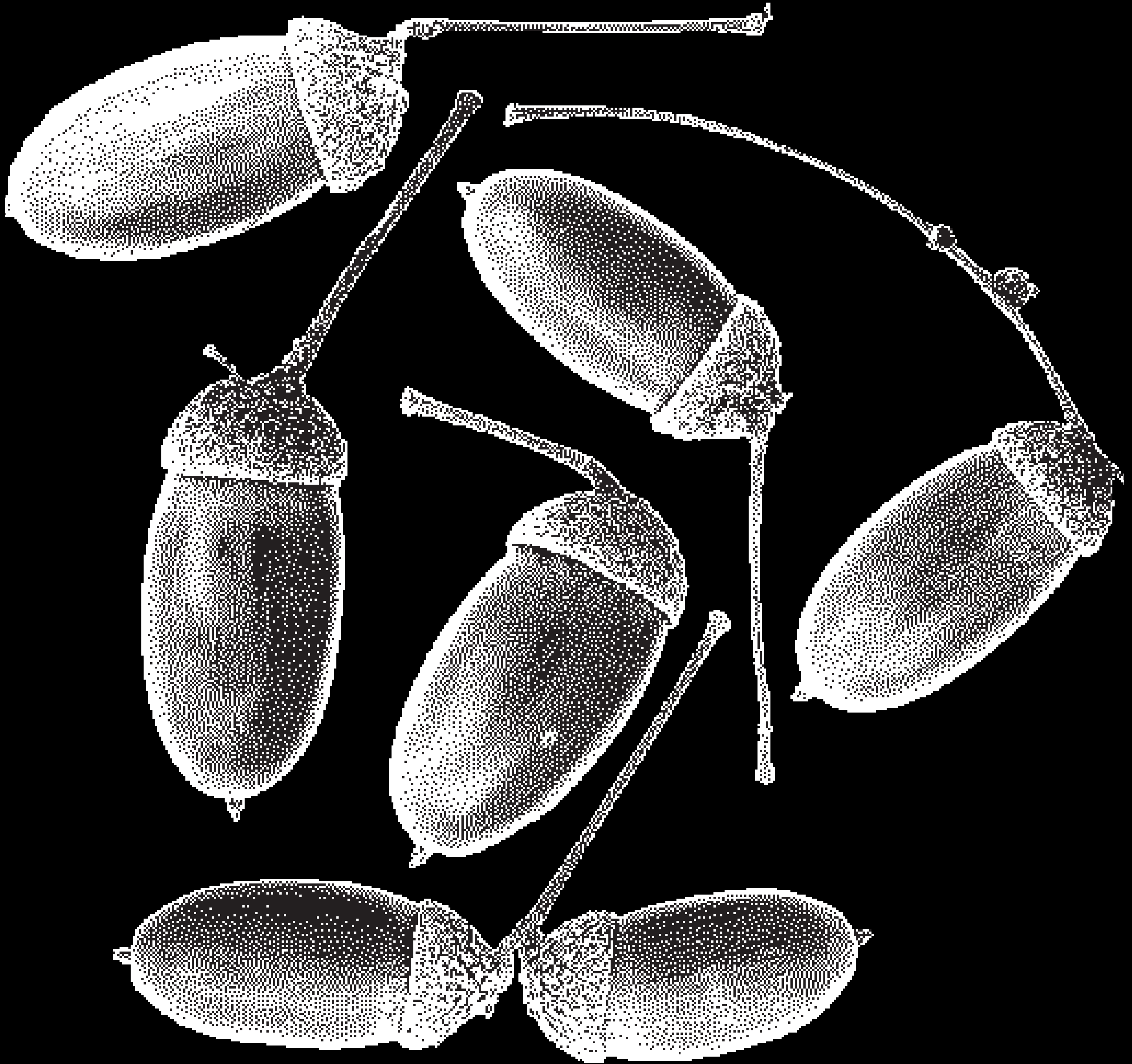


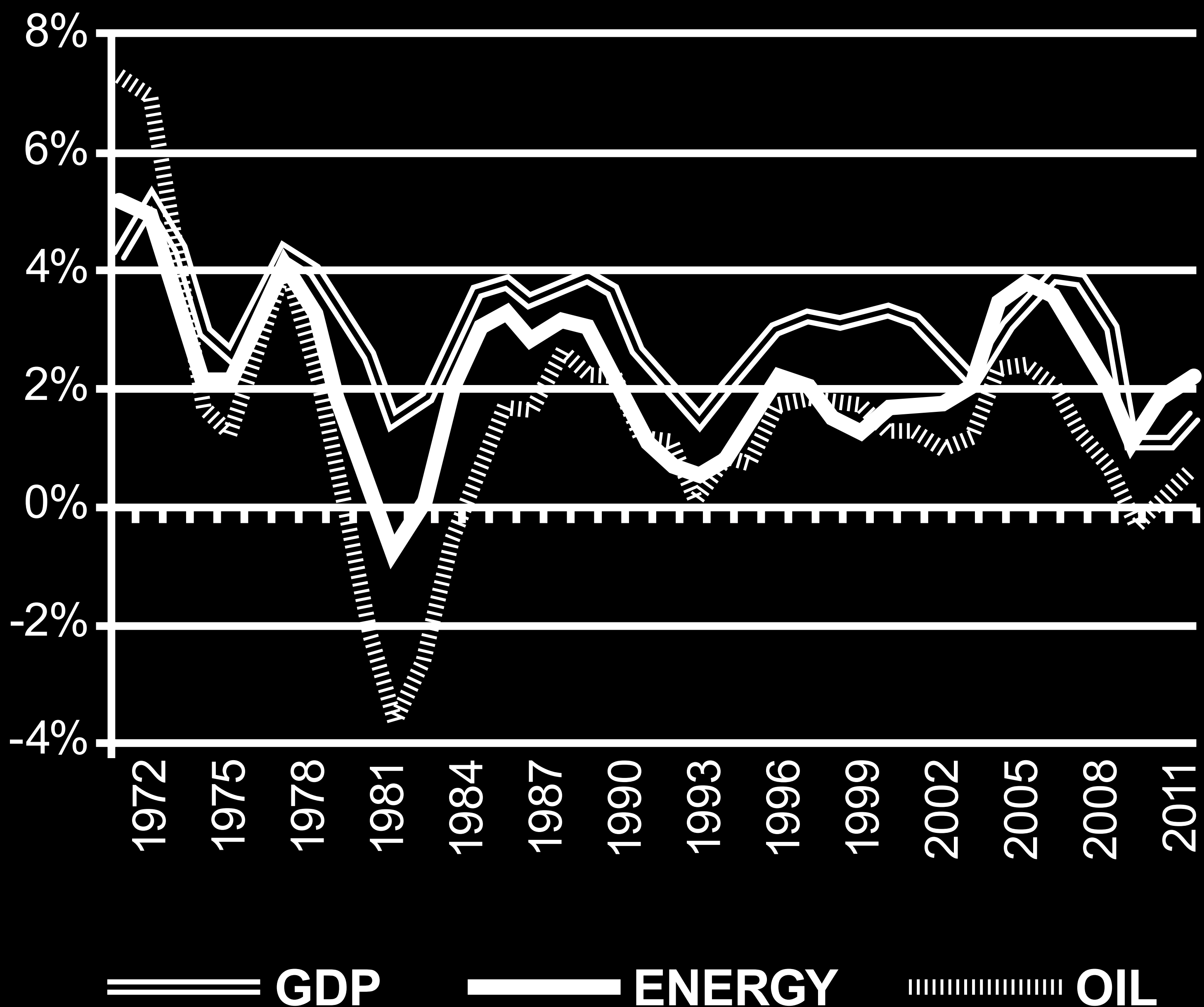
THE SEVENTH GENERATION PRINCIPLE



**ACCORDING TO IROQUOIS WISDOM,
IN EVERY DELIBERATION, BE IT PERSONAL
OR COLLECTIVE, WE MUST CONSIDER
HOW IT WILL AFFECT OUR DESCENDANTS
SEVEN GENERATIONS INTO THE FUTURE.**

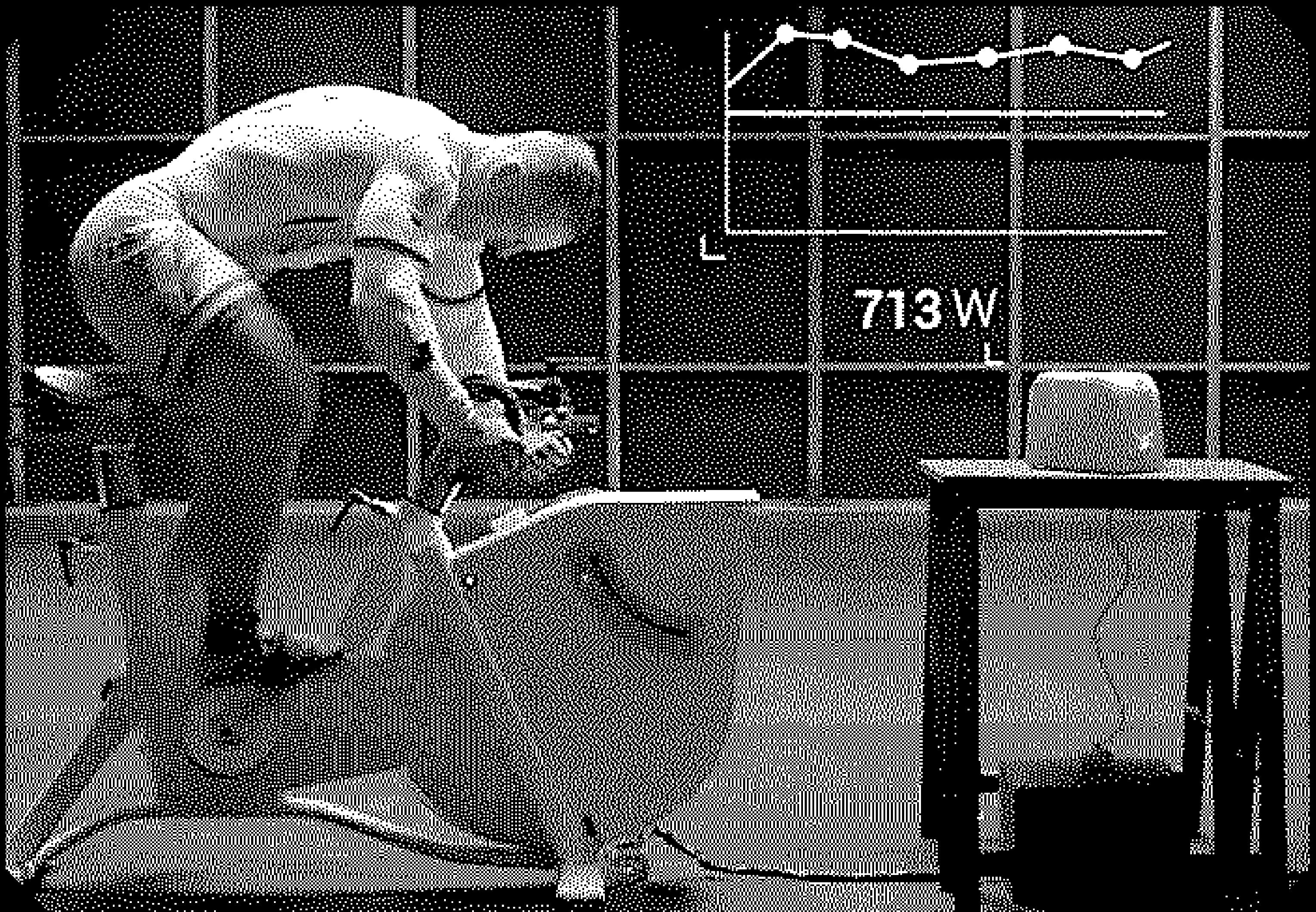
ENVIRONMENT, ENERGY, ECONOMY LINK

WORLD GROWTH IN GDP, ENERGY AND OIL



**CONTEMPORARY EXPONENTIAL
ECONOMIC ACTIVITY IS DIRECTLY TIED
TO ENERGY CONSUMPTION,
WHICH IN TURN IS DIRECTLY CORRELATED
TO ENVIRONMENTAL CHANGE.**

ENERGY SLAVE



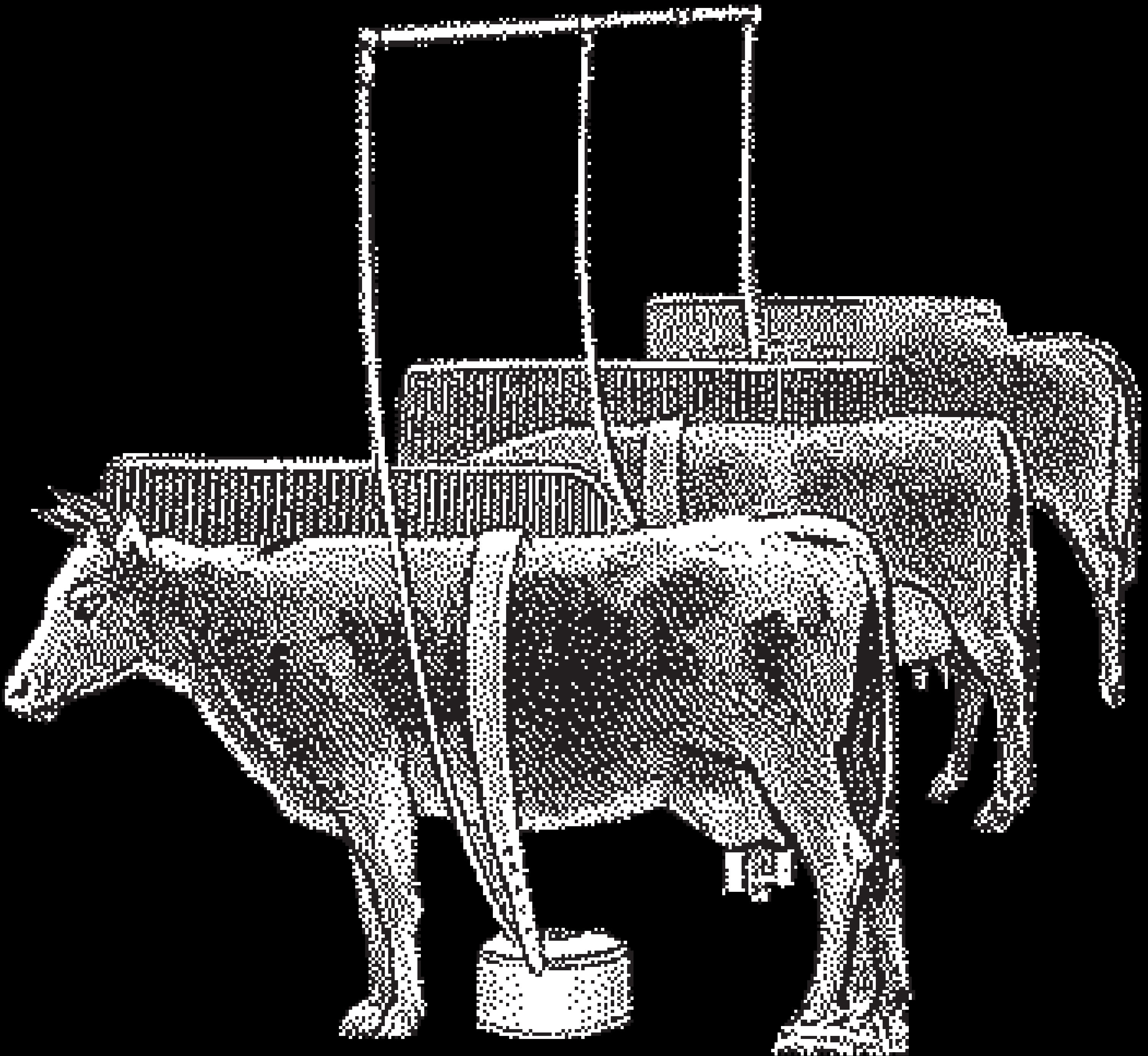
**AN ENERGY MEASURE ALLOWING
TO COMPARE THE ENERGY CONSUMPTION
REQUIRED FOR THE OPERATION OF
A MACHINE OR INFRASTRUCTURE, TO THE
PHYSICAL WORKING CAPACITY OF AN ADULT.**

INTERSPECIES COMMONS



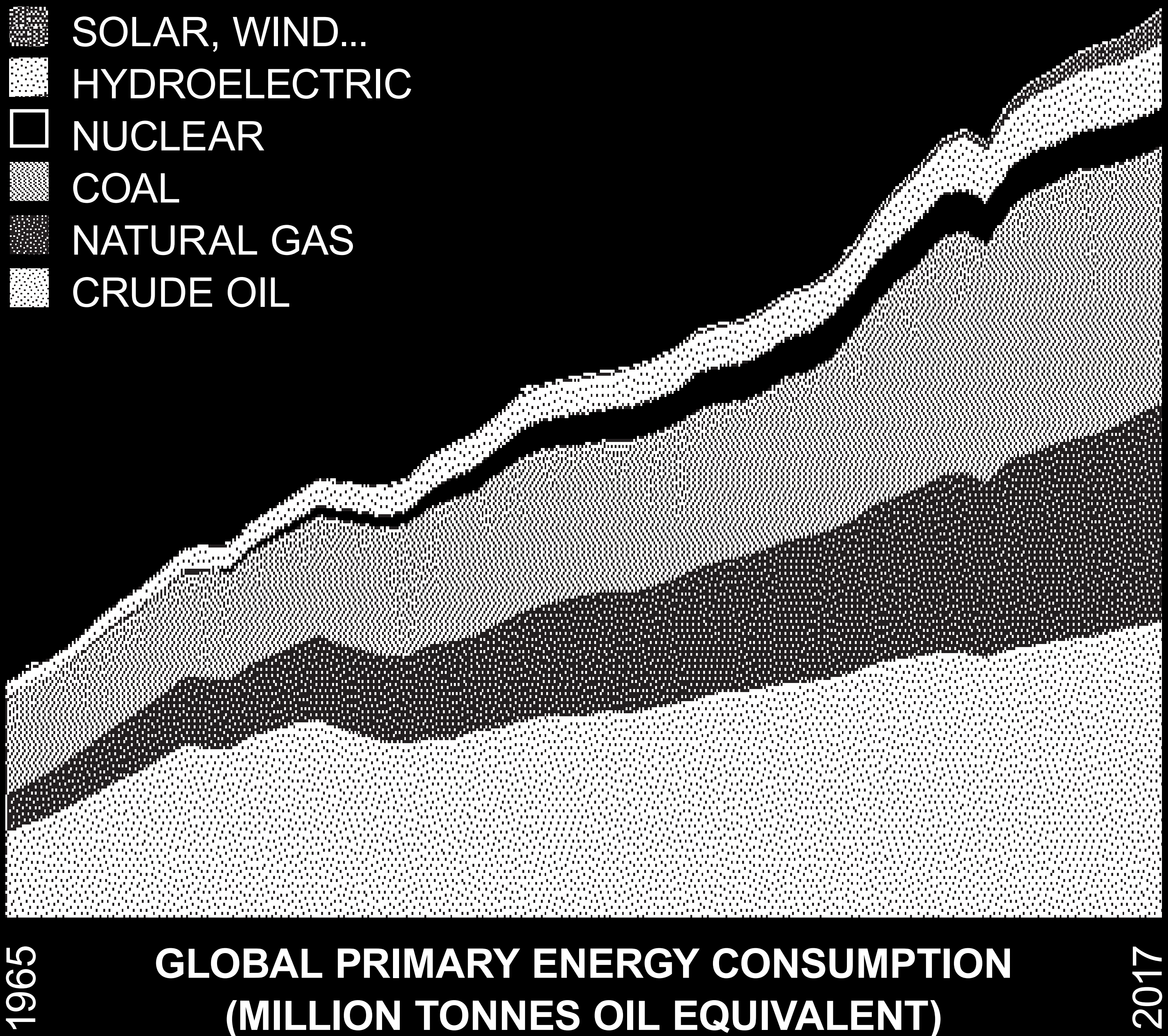
**RESOURCES SHARED AND MAINTAINED
COLLECTIVELY BY A HUMAN
AND NON-HUMAN COMMUNITY.**

INTERSPECIES WEALTH TRANSFER



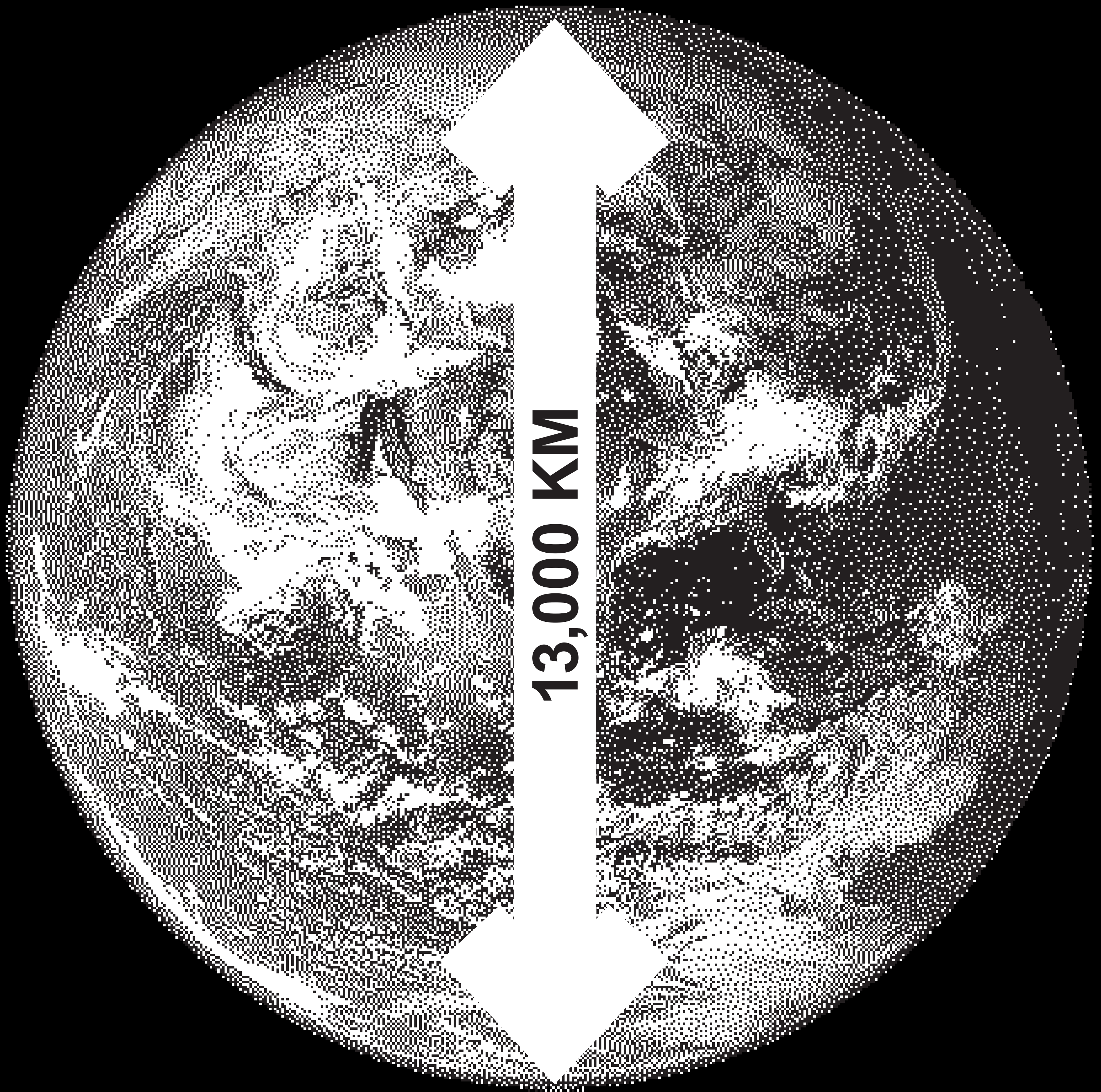
**POPULATION GROWTH AND RISING LIVING
STANDARDS IN INDUSTRIALISED SOCIETIES
COME AT THE EXPENSE OF BIODIVERSITY
AND THE QUALITY OF LIFE OF OTHER SPECIES.**

THERE HAS NEVER BEEN AN ENERGY TRANSITION



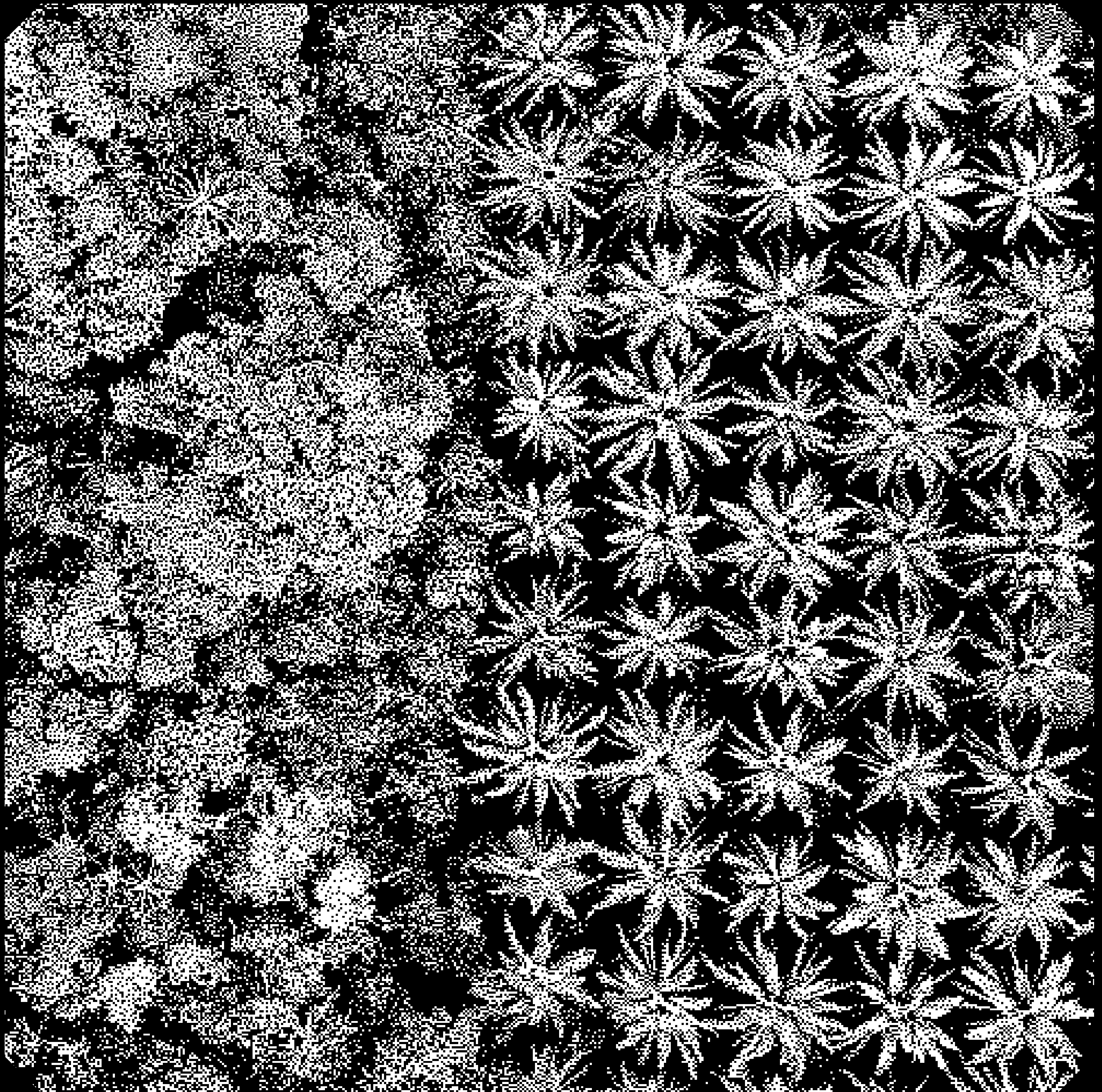
**HISTORICAL CHANGES IN ENERGY
RESOURCES HAVE ESSENTIALLY ALWAYS BEEN
ENERGY ADDITIONS, NOT TRANSITIONS.**

PLANETARY BOUNDARIES



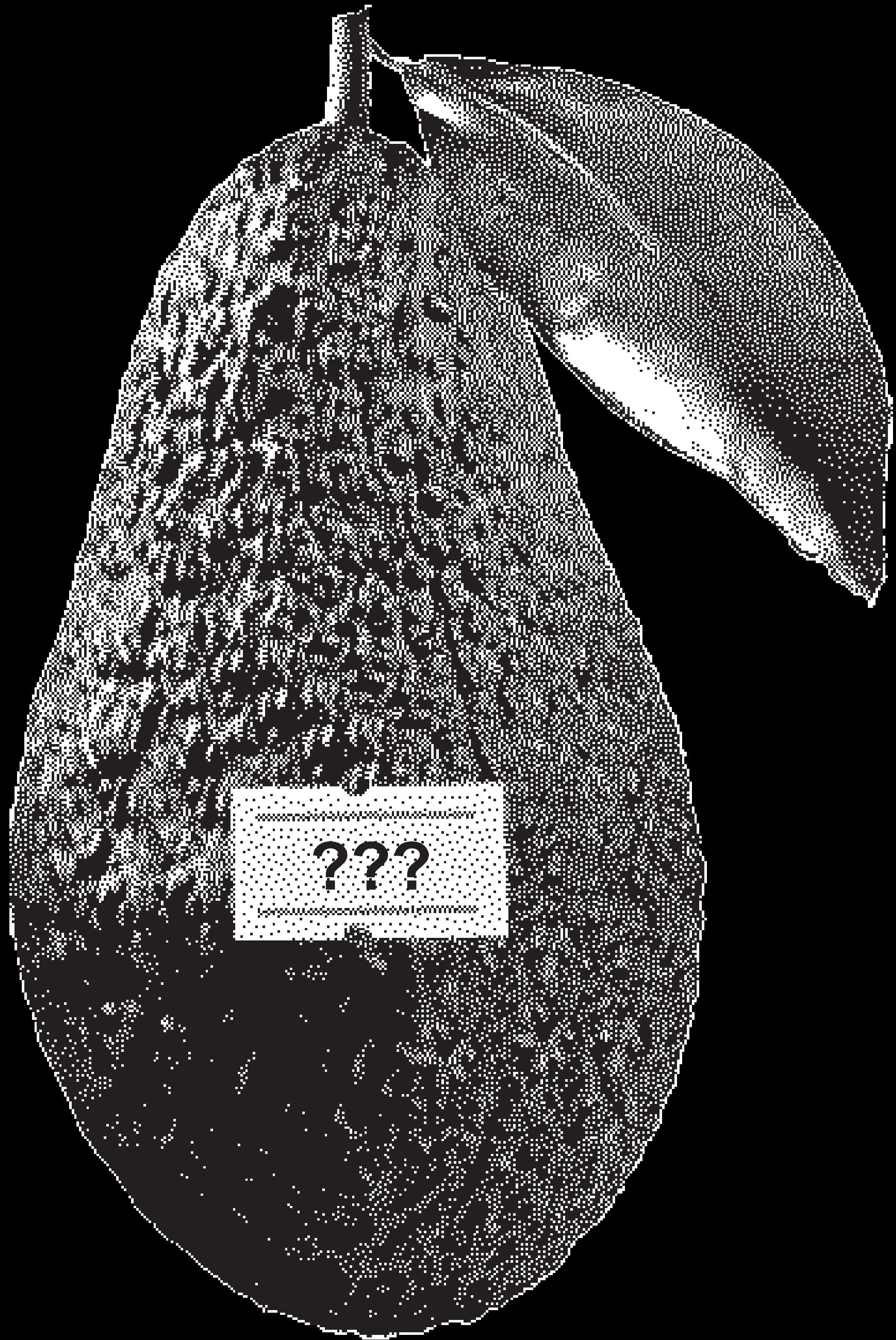
**A SET OF PLANETARY BOUNDARIES WITHIN
WHICH HUMANITY CAN CONTINUE TO DEVELOP
AND THRIVE FOR GENERATIONS TO COME.**

PLANTATION



**A SIMPLIFIED AND IMPOVERISHED BIOLOGICAL
MODEL DEVELOPED TO PUT THE PLANET
AND ITS RESOURCES TO INTENSIVE WORK.**

TRUE COST MARKET



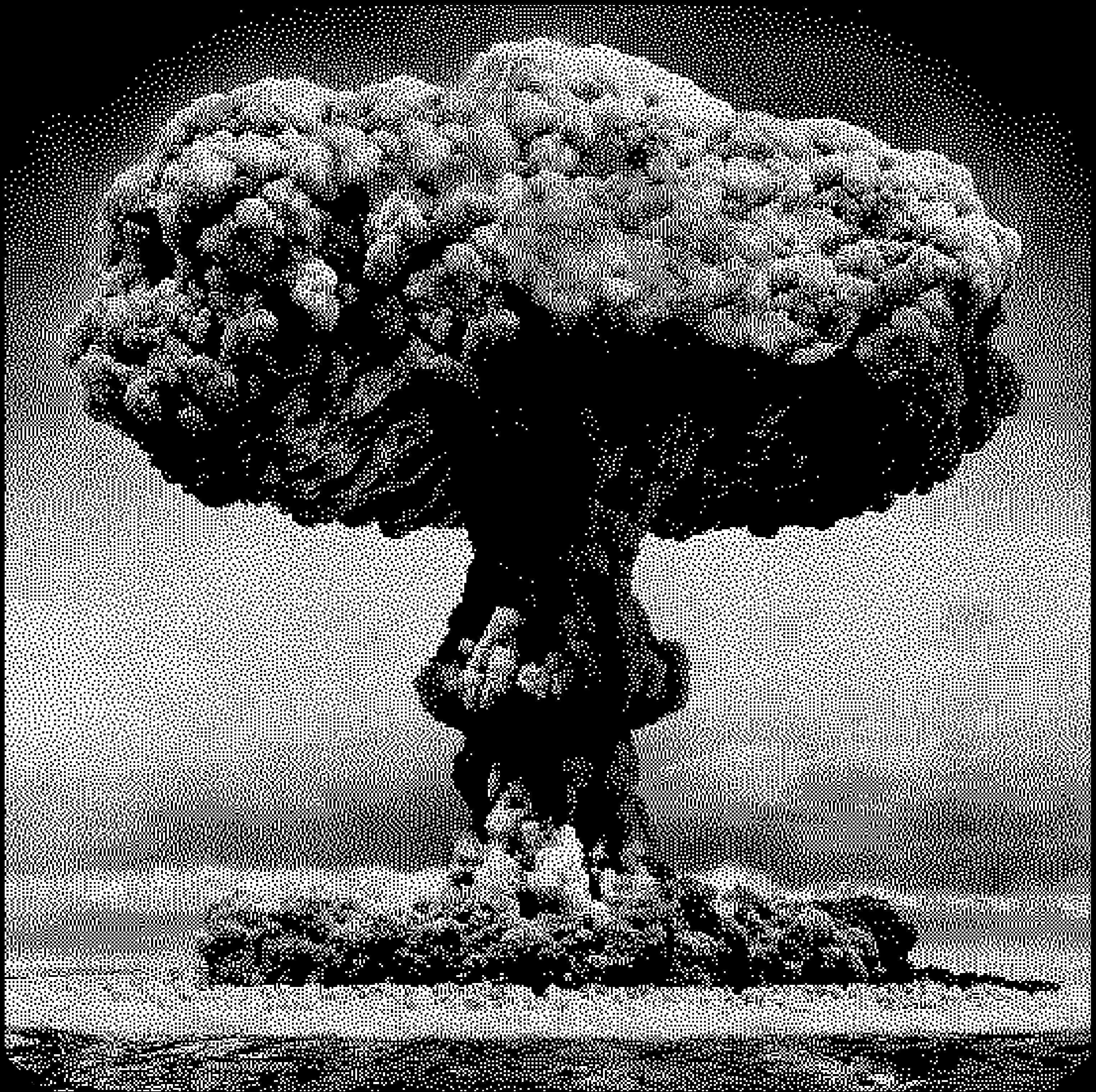
**AN ECONOMY THAT INCLUDES THE COST
OF NEGATIVE EXTERNALITIES
ASSOCIATED WITH GOODS AND SERVICES.**

ZOMBIE ENERGY



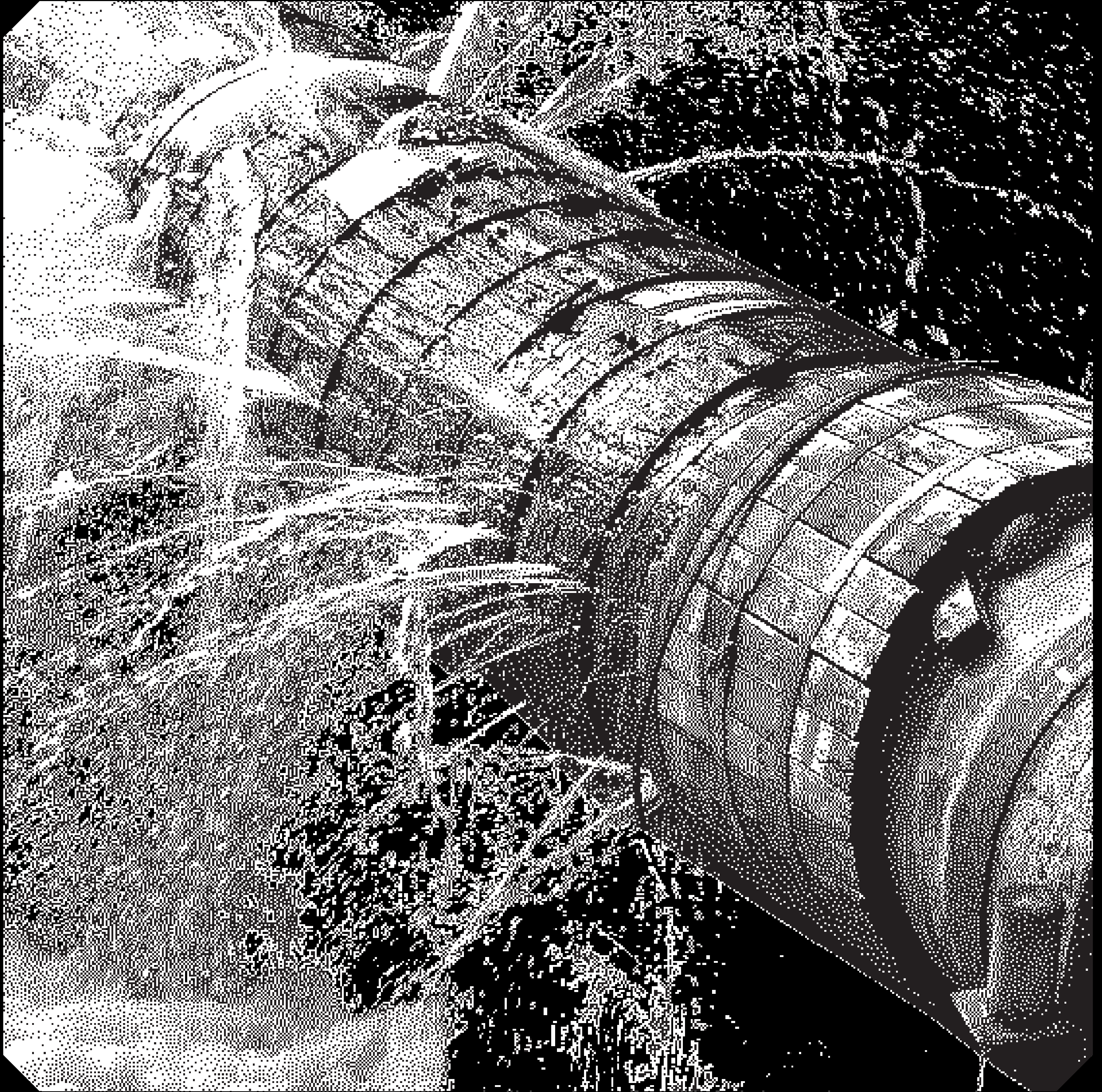
**MODERN SOCIETY'S STOCK OF MACHINES
IS ANIMATED BY LONG-DEAD INORGANIC
ENERGY (IN THE FORM OF COAL, OIL OR GAS).
FOSSIL (DEAD) ENERGY THREATENS
TO DESTROY THE BIOSPHERE.**

GLOBAL ARTIFICIALITY



**THE ARTIFICIALIZATION THAT RESULTS
FROM HUMAN ACTIVITY IS OMNIPRESENT
AND GLOBAL (NUCLEAR ISOTOPES,
COMPOSITION OF THE ATMOSPHERE,
CELL STRUCTURE, PLANTATIONS, ETC.).**

BROKEN WORLD THINKING



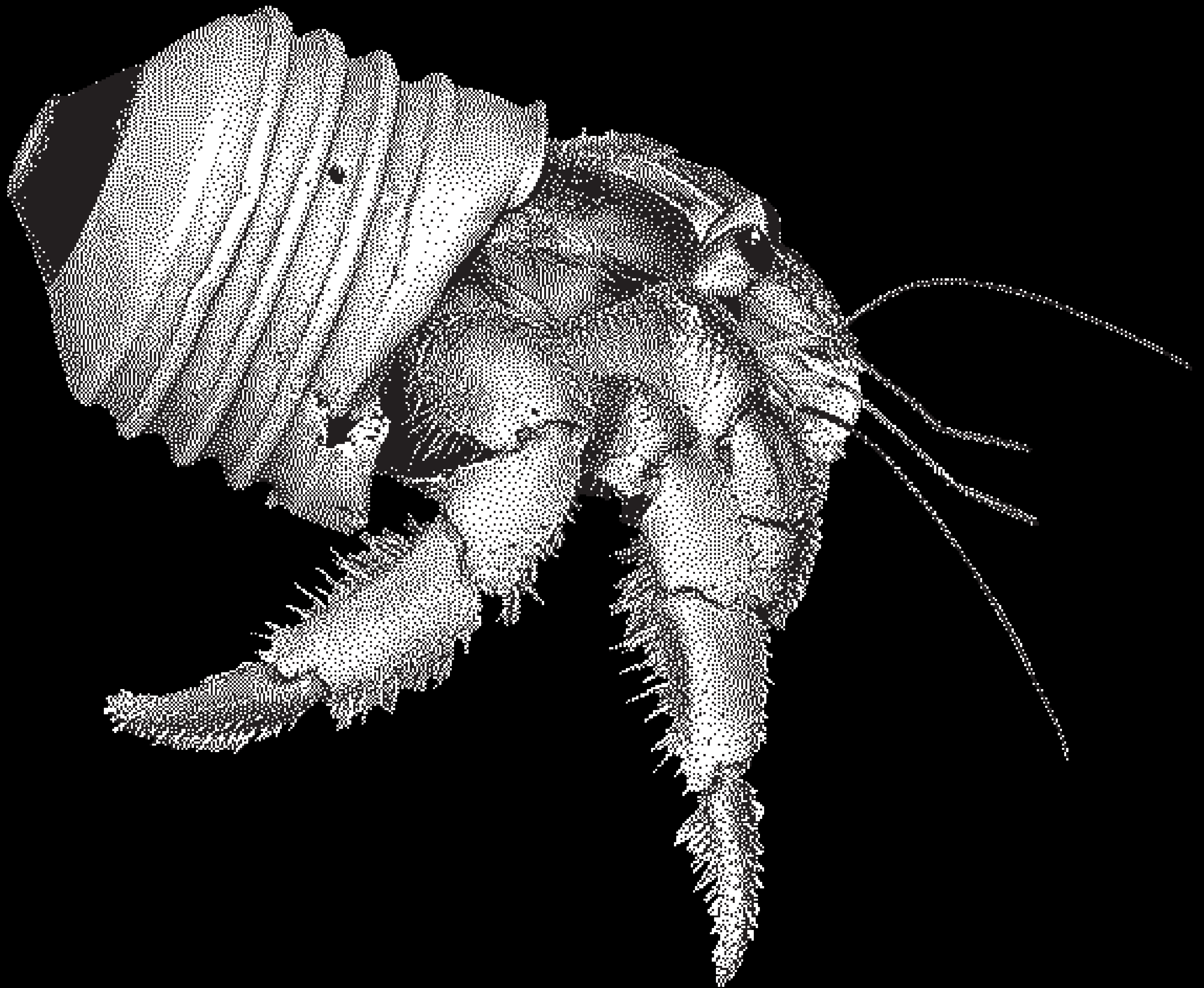
**INVITES US TO THINK ABOUT THE WORLD
FALLING APART AS AN OPPORTUNITY TO COME
INTO RELATIONSHIPS OF CARE, REPAIR
MAINTENANCE (RATHER THAN MERELY
NOVELTY AND INNOVATION).**

COLLAPSE INFORMATICS



**NOW THAT COMPUTING IS AS CHEAP
AND ACCESSIBLE AS EVER, IT'S TIME TO
STUDY, DESIGN AND DEVELOP SYSTEMS
IN THE ABUNDANT PRESENT
FOR USE IN A FUTURE OF SCARCITY.**

DEFUTURING



**PRACTICES OF DESIGN, TECHNOLOGY,
RESEARCH AND INDUSTRY THAT DEPRIVE US
OF CERTAIN FUTURES, INCLUDING DESTROYING
THE POSSIBILITY OF A HABITABLE FUTURE.**

JEVONS PARADOX



**OPTIMISING OR IMPROVING THE ENERGY
EFFICIENCY OF A COMMODITY
ALSO TENDS TO INCREASE ITS OVERALL
RATE OF CONSUMPTION.**

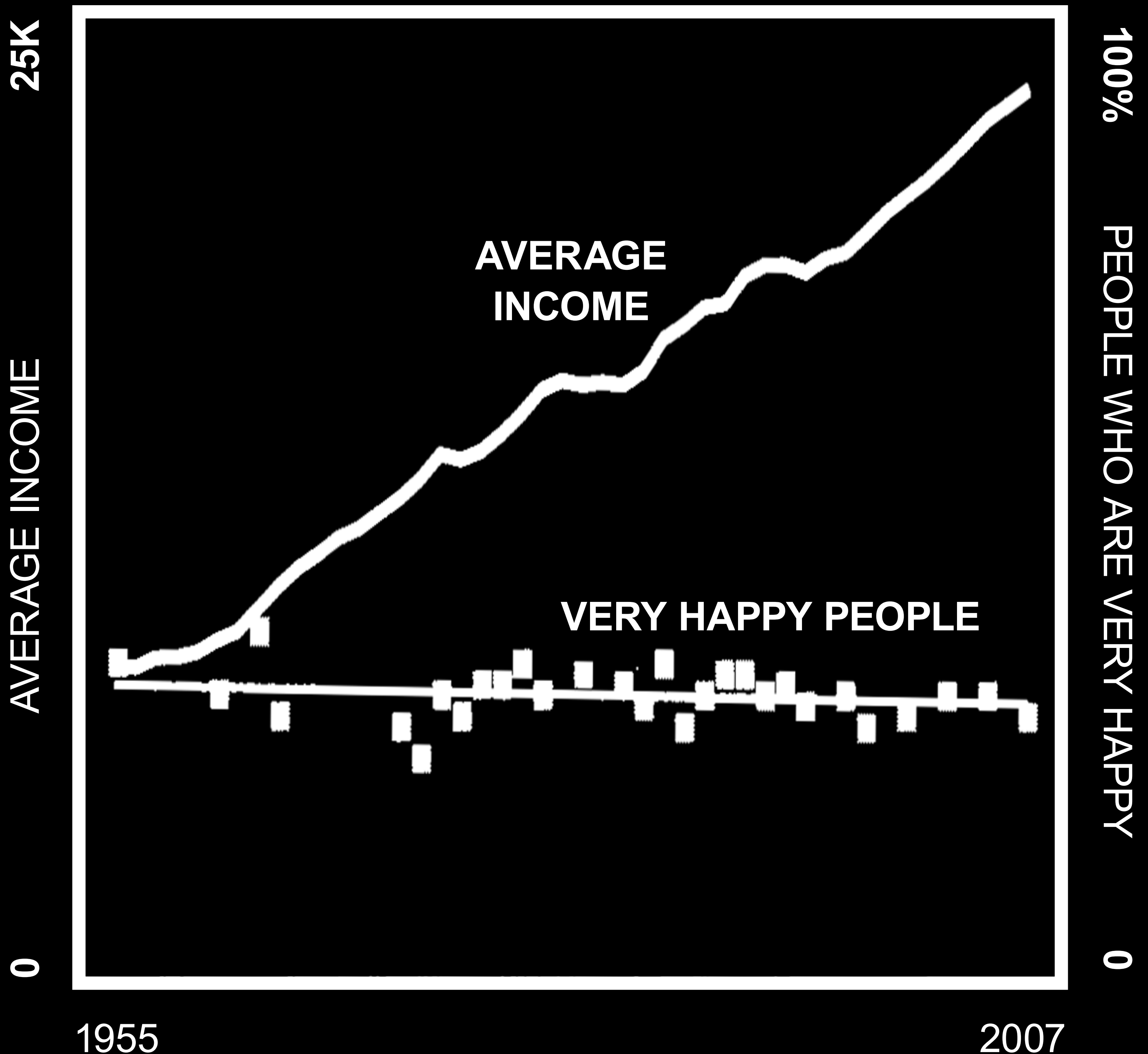
NEGATECHNOLOGY



**THERE ARE MANY SITUATIONS, WHERE LESS
TECHNOLOGY AND COMPLEXITY, NOT MORE,
MAY BE DESIRABLE FOR A SYSTEM.**

PROSPERITY WITHOUT GROWTH

AVERAGE INCOME & HAPPINESS, USA



PROSPERITY TRANSCENDS MATERIAL CONCERNS. BEYOND A CERTAIN THRESHOLD, GROWTH NO LONGER CORRELATES WITH AN INCREASE IN WELL-BEING.

ECOSYSTEM SERVICES



**ECOSYSTEMS PROVIDE MANY SO-CALLED
ECOSYSTEM SERVICES. SOME ARE ESSENTIAL
FOR LIFE (SUCH AS POLLINATION) AND
ARE THEN CONSIDERED COMMON GOODS.**

NEGATIVE COMMONS



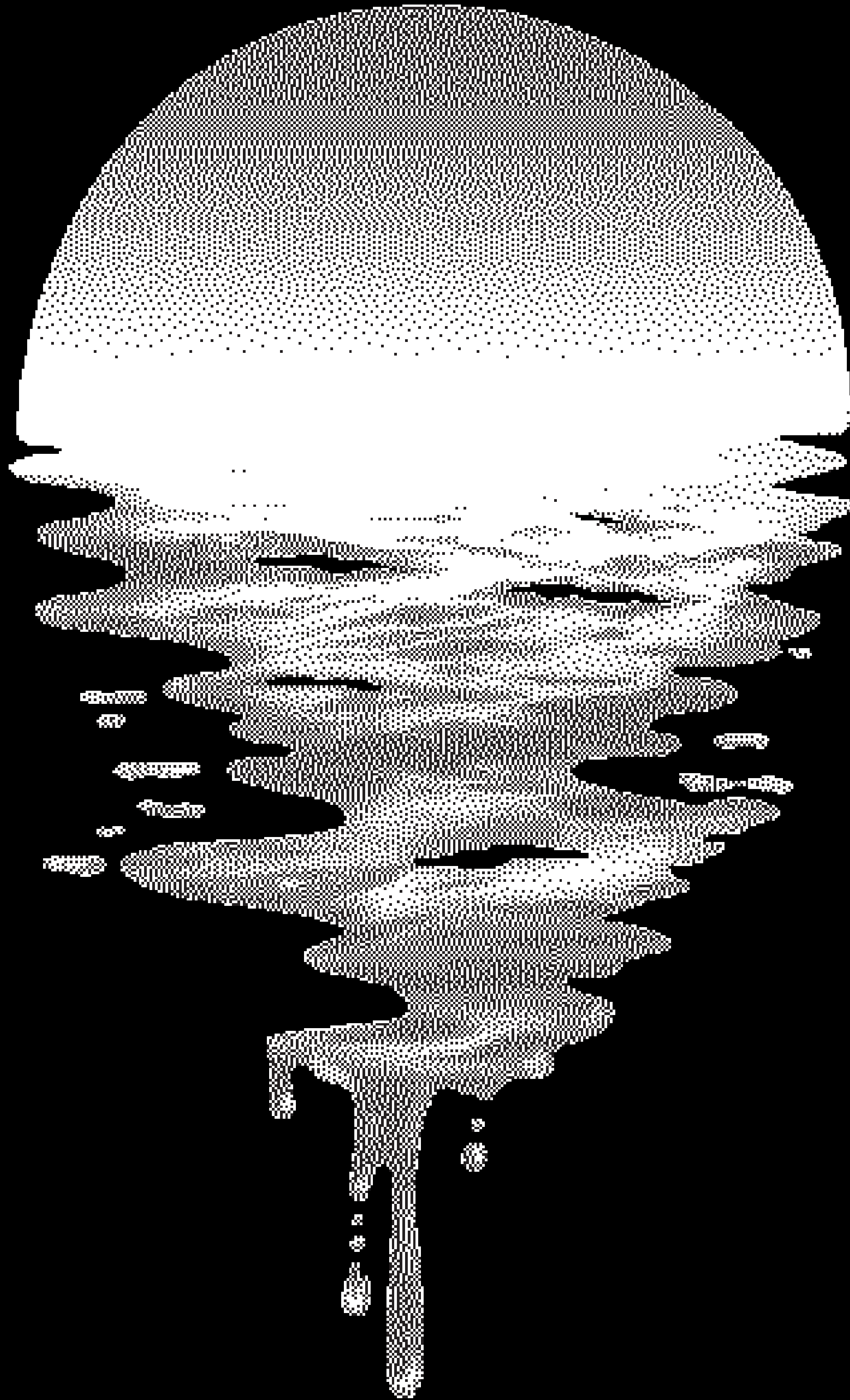
**A SET OF «NEGATIVE» ASSETS
WE COLLECTIVELY INHERIT THAT NEED TO
BE TAKEN CARE OF, BUT ALSO POTENTIALLY
PREVENTED FROM BEING PRODUCED
IN THE FIRST PLACE.**

CAPITALISM ≠ SOCIAL PROGRESS



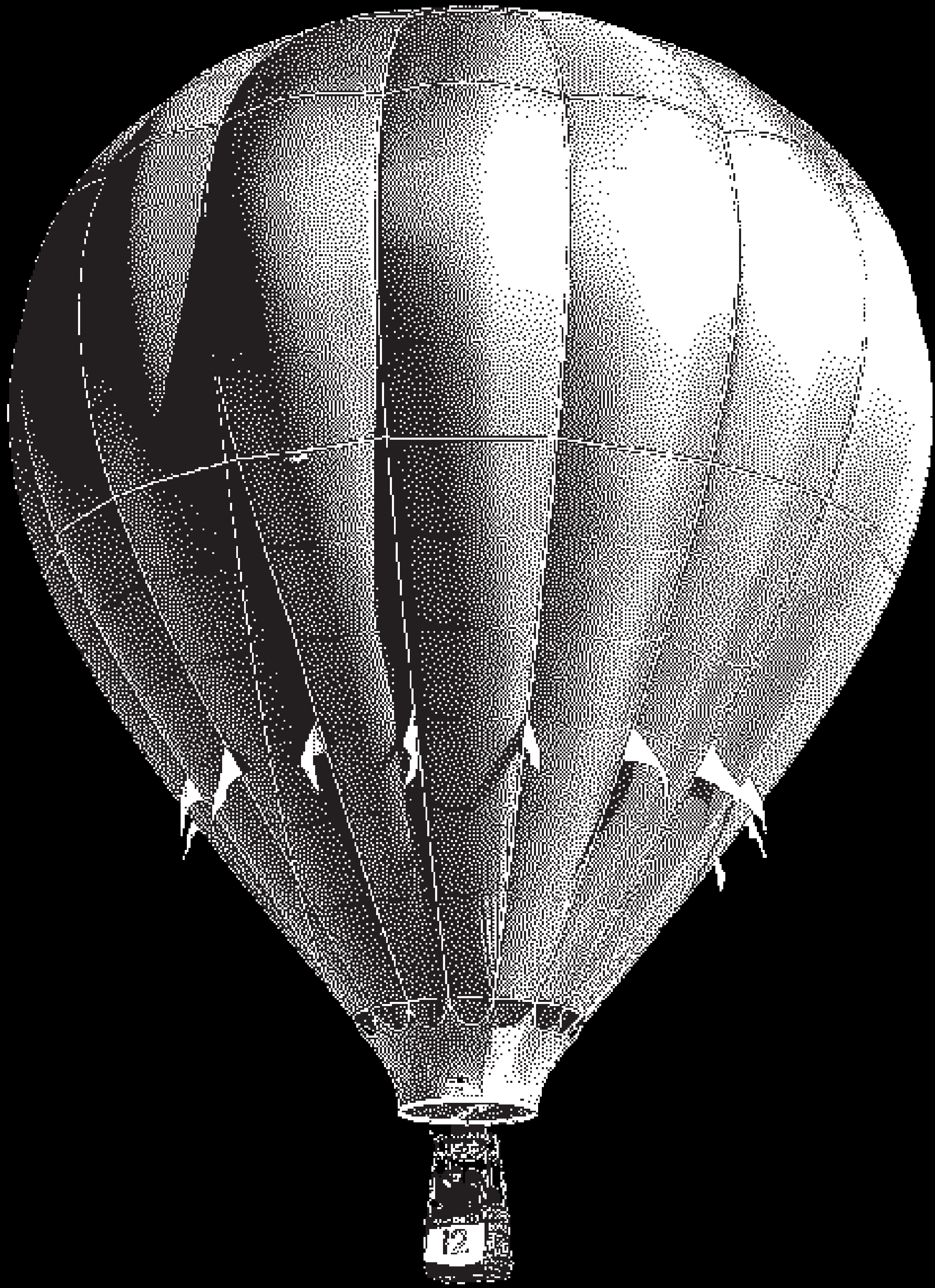
**IT'S NOT THANKS TO CAPITALISM
BUT TO PROGRESSIVE POLITICS THAT WE
ARE LIVING LONGER. IN THE ABSENCE OF
PROGRESSIVE FORCES, GROWTH HAS OFTEN
WORKED AGAINST SOCIAL PROGRESS.**

ANCIENT SUNLIGHT



**FOSSIL FUELS ARE THE END PRODUCT
OF MILLIONS OF YEARS OF SUNLIGHT SHINING
ON PLANTS THAT GET CONVERTED TO OIL
AND COAL, AND GAS. WE ARE NOW UTILISING
THE LAST HOURS OF ANCIENT SUNLIGHT.**

LOW TECH



**THE POTENTIAL OF PAST AND OFTEN
FORGOTTEN KNOWLEDGE AND
TECHNOLOGIES WHEN IT COMES TO
DESIGNING A SUSTAINABLE SOCIETY.**

BLACK SWAN THEORY



**AN UNFORESEEABLE EVENT WHICH HAS
A LOW PROBABILITY OF OCCURRING AND
WHICH, IF IT DOES OCCUR, HAS FAR-REACHING
AND EXCEPTIONAL CONSEQUENCES.**

GEODIVERSITY



**GEODIVERSITY BEGETS BIODIVERSITY.
YOU NEED TO HAVE A DIVERSE GEOLOGICAL
SETTING IN ORDER TO CREATE THE SET OF
NICHES THAT YOU NEED FOR VARIOUS LIFE
FORMS TO SPECIALISE.**