

Sustainable and inclusive growth is only possible on fertile soils.

Material and energy flows in biological systems are the basis for human survival. Therefore, it is necessary to manage the vital chemical elements and the bioenergy in an ecologically, economically, and socially sustainable way.

According to an article published in K. Skogs- o. Lantbr. akad. tidskr. Suppl. 16 (1984) by Sune Pettersson, carbon (C), hydrogen (H) and oxygen (O) together make up about 96% of the dry matter in plants. These three elements are the most important building blocks for bioenergy. The remaining 4 % of the dry matter consists of other elements such as nitrogen (N), calcium (Ca), magnesium (Mg), phosphorus (P), potassium (K), sulfur (S), chlorine (Cl), iron (Fe), manganese (Mn), boron (B), copper (Cu), zinc (Zn) and molybdenum (Mo). All are necessary for photosynthesis. Bioenergy in food is the most important energy for humans.

All of today's decision makers are personally responsible for the unsustainable management of the vital chemical elements and bioenergy.

Questions to CONSILIUM.EUROPA.EU

2023-12-16 23:50

What do you do for the humans to survive?

People need clean air, clean water, and nutritious food. The human body consists of all the chemical elements that with today's handling of waste and sewage create costly polluted emissions to air and water and thereby threaten biological diversity and human survival. These are the same elements that are necessary for photosynthesis and that plant biomass consists of (H, C, O, N, P, K, Ca, Mg, S, Cl, Fe, B, Mn, Zn, Cu, Mo...).

Today, instead of returning to cultivated land, 98% of plant nutrients pollute air, water and everything with very costly unsustainable waste and sewage systems.

Should it be more important to invest in technology that utilize bioenergy and recycles all the essential elements for photosynthesis to have fertile soils and nutritious food containing bioenergy and nutrition than to invest in nuclear energy?

Bioenergy is the sun's radiant energy that is converted during photosynthesis and stored in the biomass of plants. In addition to food, bioenergy in residues and waste can be converted with the help of microorganisms into biogas, which in turn can be converted into electricity, heat, and cooling. Why do most of today's biogas plants use approx. 100-year-old methods with large losses and thus low yields? In addition to biogas, biofertilizer is produced. Thus, part of bioenergy and all the vital elements are returned to cultivated land, many of which are degraded today due to man-made chemicals. **"Soil degradation in the EU costs more than EUR 50 billion per year."** (EEA Soil. Modified 06 Dec 2023)

Will investments in nuclear energy that the 22 countries are planning reduce emissions to air and water and ensure the production of nutritious food? The project will only benefit the production - for a few decades due to uranium reserves - of electricity for the privileged people who already live in abundance.

Investments in bioenergy are investments for the future for all people on earth.

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Please present a cost-benefit analysis with all effects on health, environment and climate for both bioenergy and nuclear energy.

Who can improve biogas plants for use in local systems in all villages and in all neighborhoods of the world's cities?

Who can design waterless hygienic toilets and logistics systems to use human waste and food waste mixed with plant material from parks, gardens, agriculture and forests as well as food industry residues in local high-tech biogas plants?

THE APPEAL TO DECISION MAKERS:

"Human survival must be the central task!"

People need

- 1) laws where only sustainable processes are allowed
- 2) innovations in CIRCULAR BIOECONOMY to reach "knowledge-intensive economy"
- 3) a fair transition that support "the ~~green~~ SUSTAINABLE and digital transition" avoiding "greenwashing"

As a member of The Rebellious Mothers, where some have helped me with the text, I have posted:

<https://biotransform.eu/wp-content/uploads/2023/11/Protect-lives-with-sustainable-development-RS.pdf>

If you care about your loved ones, act now!

All individuals are personally responsible for building a sustainable future, including you who are reading this.

Everyone is welcome to discuss, comment, criticize, but preferably IMPROVE and TEST the "SBRS concept" which is attached and described in more detail at www.biotransform.eu to influence the outcome of COP28 and cohesion policy.

<https://biotransform.eu/wp-content/uploads/2022/08/From-Photosynthesis-to-Photosynthesis-SBRS-concept-RS-BS.pdf>

2023-12-01 14:50 (Stockholm time)

Best regards

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CV can be found on the first page of the website