



SCALEFARM Initiative by Nikolaos Nikolov

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SCALEFARM is an initiative that targets significant environmental problems. My country, Greece, has three problems: huge amounts of organic waste, use of soil with pesticides, and dehydrated soil. SCALEFARM solves those problems with two ways: sustainable organic composting and vertical farming.

Recycling in Greece is at 16% which is way below European average of 27%. Sustainable organic composting annihilates household biodegradable waste such as egg shells or cucumber peels. Those materials are getting composted and after 30 days they are added to soil as manure which helps in plant's growth. Using organic waste from home, we do create nutritious soil which is used for better and sustainable planting.

Sometimes soil contains pesticides which creates high amounts of algae when washed out. Those pesticides go to seas and water is getting hotter and without oxygen, so fish die. Using composted soil, we do create plants that are fresher, and more nutritious to people.

Vertical farming does two things in the same time: it saves lots of space and reduces the amounts of water needed up to 95%. As a result, we have more free space, less water used, and fresher fruits and vegetables.

SCALEFARM gives a solution to important problems in the contemporary society that will be harmful for future generations and cares for a more sustainable world to live in the future.

Let's SCALEFARM, let's make the world our future generations can live in!