



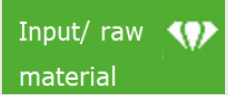







Adios avocados ?!

Two scenarios on Food production and availability in 2100: Greentopia and Efficientopia



What would be the outcome of different scenarios both aimed at feeding the European population in a global context in the year 2100? The first, (Greentopia) would be a democratic system aimed at food security in a sustainable way, making use of optimal production areas in- and outside Europe based on trade and individual choices. The second scenario (Efficientopia) foresees a dictator-like society completely focused on providing exactly the required nutrients to the population on an individual basis, requiring full control of the population and food production based on nutrient yield and processing into food pellets. In both systems, the avocado may disappear from the menu.

Result of food system choice:	GREENTOPIA	EFFICIENTOPIA
	World population limitation (5 billion) Social and environmental factors are important.	Excessive population growth (10 billion) Fortress Europe
	Democratic global cooperation through trade and based on SDG's and consumer preferences Excessive state control within 'perception of freedom of choice'	Full surveillance of European population by dictatorial government, using nutrients as leverage in international policies and trade. Full control of production means. Absolute state control via food access.
	Food production demand driven and based on consumer preference and product yield / market value withing required SDG's	Food production based on maximum nutrient yield per hectare and processing potential into pellets for efficiency and complete FLW reduction
	Food availability based on freedom of choice by consumers but steered through 'true pricing'	Food availability based on individual nutrient requirements and used as means of control
	Circular, climate neutral / zero emissions and environmentally friendly food production. Organic agriculture is the norm Limited animal-based food	Maximum efficiency via nutrient-based production Only functional animals in the food system for circularity and use of non-arable areas for protein production and no pets
	Realization one should take care of the planet. Nature as policy	Scarcity driven care for the environment leading somehow to same result. Only the most productive crops at the best location leaving more space for nature. Nature as by-product
	Focus on mitigation of climate change	Focus on adaptation to climate change
	Full developed circular systems with maximum use of input and waste streams.	Crops selected based on efficient production of required nutrients. Efficient buffers & distribution of value chains Less fresh food to control nutrient waste
	Eating still a social event with freedom of choice of food type	Basic nutrient filled pellets like cow feed with a flavour. 'Adios avocados'
	Abundant food available but access limited indirectly via 'true pricing'.	Food access controlled, adapted, and distributed based on minimal exact personal daily nutrient need

Outcomes, impact and take away's:

- Both seeking production in most suitable area to do so.
- Both systems seeking efficiency in production and FLW reduction and additional space for nature
- Food is available in both systems.
- Consensus on AI-based best solutions may lead to state control becoming prevalent in any system.
- FLW reduction for sustainability- or efficiency reasons lead to same outcome.
- Scarcity driven care for the environment leading somehow to same result as SGD driven care.
- Environment and nature are important in both systems.
- Crop- and production selection based on nutrients could have been included in Greentopia for efficiency increase.
- Good ideas do not always lead to the best outcome and bad ideas may have positive side-effects.
- From a bad scenario, still some ideas may be used to implement in a democratic system.
Specifically, the idea to focus food production on nutrient value production per land unit for efficiency reasons.

As outcomes from both systems are not always as expected beforehand, please keep a critical but open mind to different angles and possibilities.



Adios avocados ?!

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Disclaimer: *We do not choose for these 2 scenarios specifically. And surely, we do not aim to promote or endorse any system. Especially not a dictatorial system. The scenario choice is the result of a thinking process. The scenarios are meant to think about what the result of specific actions or policies could be.*