

Mobility

Since the Netherlands have a lot of rivers cutting through and a lot of harbor area, the main transportation would be waterborne transport for local demand and exportation. The prior would and could supply the inner with the goods produced in the valley.

The Designing and Planning of the Buildings

In this section, I am going to address what material/features the new homes must have and what old ones must convert to.

- A Sustainable building Design: Smart building integration, Luminotechnical study, energy efficiency, rainwater harvesting;
- Eco materials, such as bricks made of mineral waste, bamboo, green concrete*;
- Solar panels over parking lots;
- Small Wastewater treatment plant;
- Waste collection/Selective collection;
- Study the possibility of installing the barraginha technique in the city as well as in the countryside with the goal of erosion control as well as water harvesting;

*For the new houses, if possible, it would be crucial and revolutionary to use the old facility.

It is to show the consumers and residents that even though we are degrading the environment (with new houses) we are doing with environment-friendly materials. As a result, we show an attribute that few countries have which is the material policy about climate change without being a 'hypocrite'.

APPRESENTATION

My name is Rogério Ubaldo. I am making this present assignment as one of the requirements of the course Energy Transition Challenge.

Thus, I would like to share some ideas about design, material, and legislative proposals which were inspired by the following webinars IPCC – Reason to change, GZI Next, Circular Economy, and Artificial Intelligence & The sustainable development goals once I believe that could be more tangible when put into practice and could bring the energy transition a step further.

The ideas are as followed:

Legislative Action

- A bill/act that updates the municipal urban code/city's master plan which, legislative about the green areas in the buildings that ought to be at least 30% of the total area as well as an obligatory Small Wastewater treatment plant for all houses which will felicitate the procedures of public Wastewater treatment plant;
- A bill/act that regulates the Waste collection/Selective collection. If already, have it must update it;
- Tax incentive (for 5% to 10% for citizens at the municipal) for people that accept and insert green action in their own house;
- A bill/act that banned agriculture facilities from using potable water, and made drip irrigation a standard;
- A bill/act that obliges people and companies to give social function in their propriety within two years after purchase, the reason for this act is to avoid real estates speculation as well as monetary/credit fraud and reduce habitation crises;



Furthermore, thank you for your time and consideration. I do appreciate it.

Sincerely,

Rogério Ubaldo Broilo Victor