**Exercise 2:** Stocks and Flows

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**Photos Location**: Marietta, Georgia, United States of America

**Exercise 2 :** *“In the previous videos, the concept of "stocks and flows" was introduced and many examples were presented, in order for you to better understand it. Now, we would like to make you implement this knowledge, based on your personal experience and judgment”*

1. First, identify the most important stocks and flows (at least three) entering, staying in

and eventually leaving your area (or city).

**My answer:**

* Stocks and flows of Waste material – recycled trashes
* Stocks and flows of land for residential and commercial usage

2. Describe your findings based on the concept of stocks and flows by presenting the

necessary information or examples.

**My answer:**

* **Stocks and flows of lands:** There are numerous construction projects in the city of Marietta, mostly for residential construction. Although there are lots of brownfields and lands inside the city under construction (i.e. as the stock lands), the local government makes very large buildable areas nearby creeks for residential construction projects (i.e. as the flow lands). Indeed, the lower land price of the human-made lands motivates many construction companies to invest on this type of residential construction projects.
* **Stocks and flows of Waste materials:** The city of Marietta has a tight waste management plan. The trashes are categorised base on recyclable material and non-recycle material. This plan is being followed in both public and private places. This plan makes the sustainable usage of the materials for the society and communities. The recyclable materials are considered as the flows of waste material, while the non-recyclable materials are the stocks waste materials. In fact, the researchers and scholars of universities in Marietta are hardly working to develop new methods and techniques to reuse or recycle different types of waste materials.

3. Imagine and shortly describe how these stocks and flows could change in the future for

the benefit of your area.

**My answer:**

* **Stocks and flows of lands:** New developments would reduce the land or apartment unit price.
* **Stocks and flows of Waste materials:** The rate of first-hand material consumption and production will be considerably reduced, for example, the cutting trees , steel/oil extraction will be reduced; hence, it protects and preserves the natural environment, and simultaneously, the price of goods will be maintained.