

Spatial Planning of Green Economy Using Landscape Ecology Approach

By Asef Darvishi

PhD candidate of shahid beheshti university of Tehran, IRAN

The Green Economy was one of the two themes of the 2012 United Nations Conference on Sustainable Development held in Rio de Janeiro, commonly known as Rio+20 (Gasparatos et al 2017). But even though this topic is important, there is a lack of clarity around what green economy policy measures encompass, and how green growth related to sustainable economic development and poverty eradication can take place. (Leal Filho et al, 2017). However, Green Economy (GE) is a relatively vague concept that builds on a number of implicit assumptions, which have been scrutinized in scientific literature (Falkner 2016; Bowen & Hepburn 2014).

Ecological economics and environmental economics as related theories to green economy (Loiseau et al. 2016) both are studied in the ecological level of the organization (As a result, also the green economy). In the environmental economics, environment is a subsystem of the economy. and in the ecological economics, economy is a subsystem of the environment.

In this study, by integrating the ecological economics and the environmental economics, we will try to study the green economy at the landscape level in order to utilize such characteristics of landscape as the explicit spatial dimension, the stronger focus on human habitat and human action and its character as at least partially a product of the human mind and communication—hence, not only a material phenomenon (Bastin, 2014).

In this study, for linking the landscape and green economy, we need paradigm shift from Ecological economics to landscape.

Research goals:

- 1- Develop a conceptual framework compatible with the green economy
- 2- Spatial planning of green economy based on landscape scale.
- 3- The Effect of Green Economy Development on landscape under Different Scenarios

Research Questions:

- 1- Can the green economy be achieved at the level of the landscape?
- 2- What are the landscape effects on the realization of the green economy?
- 3- Is the Green Economy Capable to spatialization?
- 4- Is it possible to estimate the percentage of realization of the green economy?
- 5- What are the Local, Regional and Global effects of realization of the green economy?