

Climate change – Complexity

ID student: Activity 4

Biodiesel

You are given a part of the conceptual map regarding the *Biodiesel Production and Use (Figure 1)* that you have processed previously.

1) Starting from the point “BIODIESEL PRODUCTION”, please make one step (a) forward in any direction you wish and note the concept you have reached.

a.

2) Do the same for two steps (b) and for four steps (c).

b.

c.

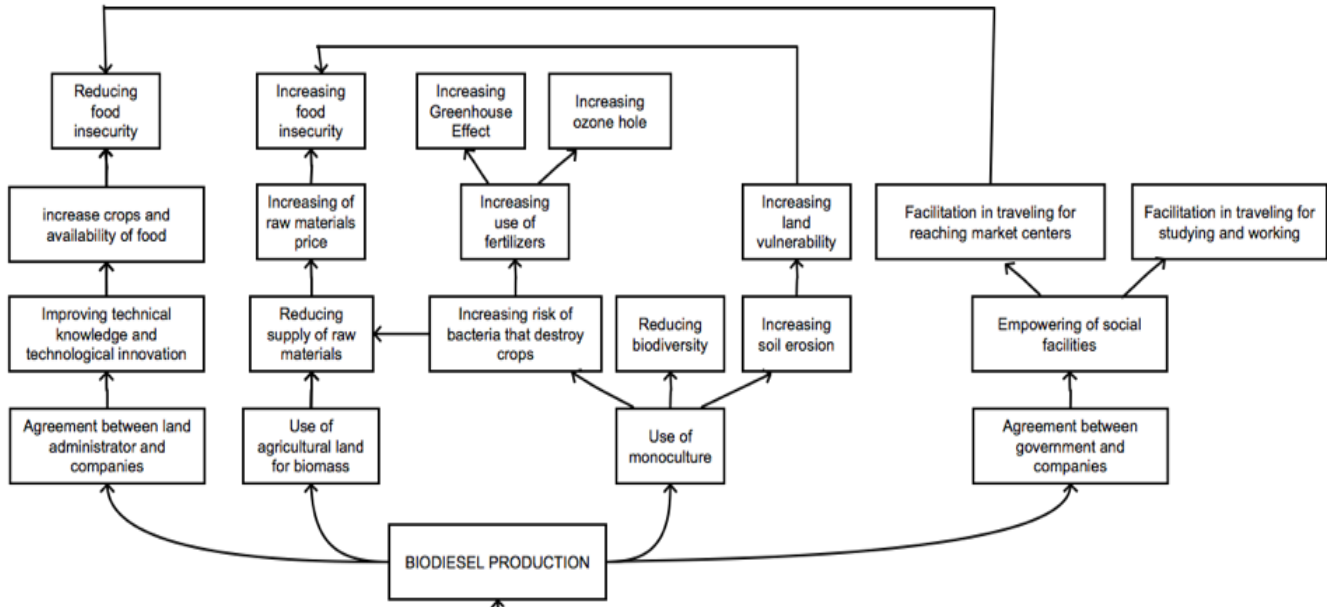


Figure 1. The concept map for “BIODIESEL PRODUCTION” (Modified from an activity from the I SEE module <https://iseeproject.eu/i-see-start-up-module-on-climate-change-01/>)

2) Reflect and discuss the extent to which a person could identify the connection of the concept you reached (in each one of the three above cases) with that of “Biodiesel Production” without being knowledgeable of the followed conceptual pathway.

3) In the conceptual map regarding Biodiesel Production what would you identify as a “critical state”? Explain your answer based on the characteristics of critical states.

4) From the critical states you identified before, make again one/two/three steps forward. Once you make a “decision”, how possible is it to return to the same critical state condition? How possible is it to avoid the consequent step?