Step 2 – Mapping the structural components of the system and framework conditions

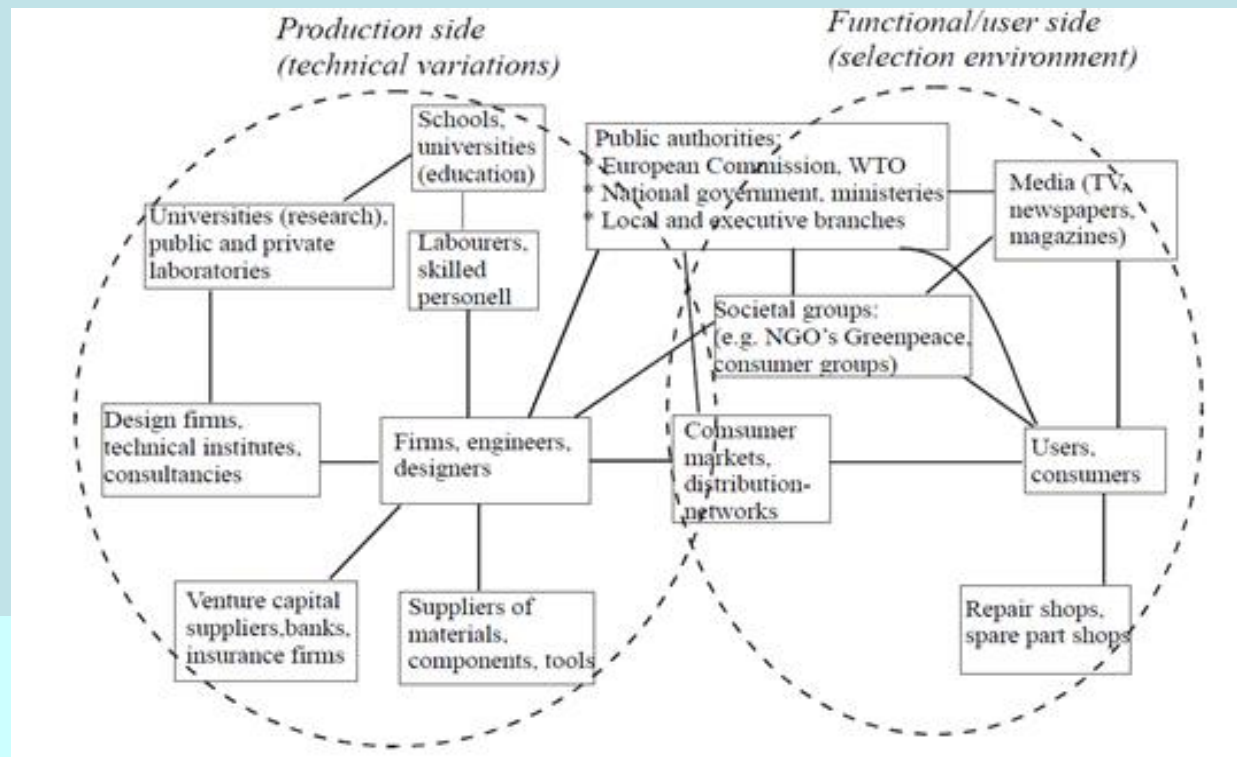## Outcomes/findings of this step:

- A mapping of the system consisting of up to 4 diagrams of key (groups of) actors and their functional relationships (in the spirit of Figure 2), accompanied by up to 4 lists of the 10 most important individual actors (such as the key actors for each of the headline functions).

- A discussion (4-5 pages) on the scale of the system's activities and capabilities under each of the four headline functions, including the key relationships between actors and functions (including at least one more diagram depicting the main relationships between actors across various functions).

- A brief discussion (2 pages) of the framework conditions relevant to the transition.

- Targeted revisions to the list / table developed as part of step 1. [list of technologies, knowledge domains, industrial sectors, products/services that are explicitly included (and/or excluded) in the thematic focus].

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- Need to map the system as it currently is.
- Highly aggregated. Begin with statistics, then interviews.
- Cover four sub-systems (or system functions):

1. Orientation and planning: Policy planners, trend-setters (visionary entrepreneurs, press, "influencers"

2. Resource mobilisation: HR and finance

3. Production: Goods, services and knowledge

4. Consumption: Users, associations

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a. Who are the main actors/constituencies delivering key functions in the system and what are their current capacities and activities in the sunset versus the sunrise regimes?

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- *b. What specific roles under each of the headline functions* (orientation and planning, resource mobilisation, production, consumption) *does each of the key actors perform in the system and how do they relate and coordinate with other actors?*

- *Are they, on average,* opposed to, neutral *or* supportive of *a transition towards the headline themes we examine* (consider colour-coding them in the diagrams as blue, white and green respectively)*?*

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- *c. What are the framework conditions under which the system operates?*
- *d. To what extent do the four functional sub-systems (orientation and planning, resource mobilisation, production, consumption) coincide with the geographic boundaries of the region (or region/nation) under review? What are the implications for its governance?*

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- *e. What are the current relationships (/interdependencies) between the four functional sub-systems (orientation and planning, resource mobilisation, production, consumption)?*

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