**1.3. SCREENING ANALYSIS OF THE INPUT AND OUTPUT OF THE PRODUCT LIFE CYCLE *with links to aspects within 1.4***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Design stage** | **Pre-manufacturing** | **Manufacturing** | **Distribution** | **Use** | **End-of-life** |
| **INPUT** | **Energy** |  | *5.9 – 5.10 – 5.25 – 5.27* | *5.14 – 5.25 – 5.27* | *5.16 – 5.17 – 5.25 – 5.27* | *5.22 – 5.23 – 5.25 – 5.27 – 5.28 – 5.29 – 5.30* | *5.25 – 5.27 – 5.31 – 5.32* |
| **Materials** |  | *5.7 – 5.8 – 5.25 – 5.27* | *5.12 – 5.13 – 5.25 – 5.27* | *5.19 – 5.25 – 5.27* | *5.20 – 5.21– 5.25 – 5.27 – 5.28 – 5.29 – 5.30* | *5.25 – 5.27 – 5.31 – 5.32* |
| **Water** |  | *5.11 – 5.25 – 5.27* | *5.15 – 5.25 – 5.27* | *5.18 – 5.25 – 5.27* | *5.24 – 5.25 – 5.27 – 5.28 – 5.29 – 5.30* | *5.25 – 5.27 – 5.31 – 5.32* |
| **OTPUT** | **Emissions to air** |  | *5.7 ... 5.10* | *5.12 ... 5.14* | *5.16 – 5.17 – 5.19* | *5.20 ... 5.23 – 5.26* | *5.31 – 5.32* |
| **Emissions to water** |  | *5.11* | *5.15* | *5.18* | *5.24 – 5.26* | *5.31 – 5.32* |
| **Waste** |  | *5.7 – 5.8* | *5.12 – 5.13* | *5.19* | *5.20 – 5.21 – 5.26* | *5.31 – 5.32* |
| **Social impacts** |  | *5.33 – ...* | *5.33 – ...* | *5.33 – ...* | *5.33 – ...* | *5.33 – ...* |

- Evaluate inputs (use of natural resources) and outputs (pollution) within specific phases of life cycle:

No impact x

High negative impact - - - High positive impact +++

Medium negative impact - - Medium positive impact ++ Evaluation is only indicative, core criteria is an impact on quality of life

Low negative impact - Low positive impact +

- For identification of some inputs and outputs can be used input - output analysis at the level of production process (TOP 20 within step 1.2)

GOAL OF THIS ANALYSIS IS NOT TO FILL IN ALL CELLS BUT TO INDICATE AREAS WITH POSSIBLE POTENTIAL FOR IMPROVEMENT WHICH SHOULD BE FURTHER ANALYSED IN MORE DETAIL