Project:

Owner:

Version:



Positive Impact (Maximise)



Negative Impact (Minimise)

Technology / Product (direct 1st order effects)

Capture (e.g. of waste or emissions)

Resource use during production

Energy / resource and emissions during use

Waste generated during disposal

Application of Technology / Product (indirect 2nd order effects)

Substitution (e.g. of paper through digitalisation) **Optimisation** (e.g. of energy usage & processes)

Induction (of resource consumption, e.g. energy)

Obsolescence (e.g. via shorter product life cycles)

Societal & Structural Change (systemic 3rd order effects)

Incentivisation (e.g. of fuel saving drive styles) **Decision making** (e.g. via agent based models)

Rebound effects (e.g. via additional consumption)

New risks (e.g. via rising network vulnerability)







