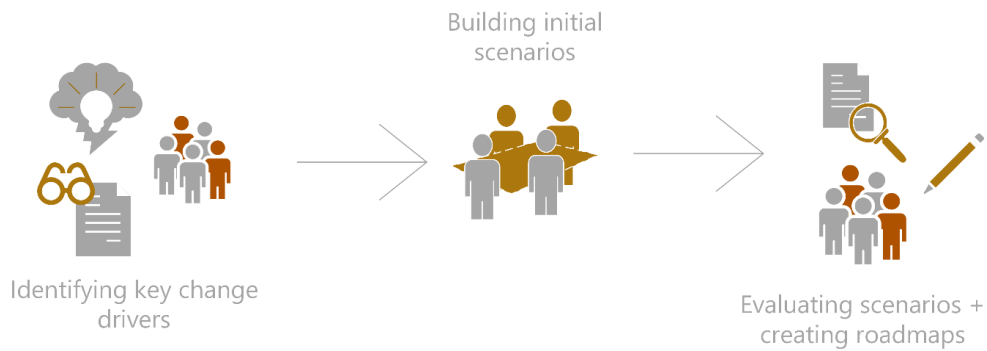**Three phases of the research work**

Firstly, trends and megatrends associated with the research topic are identified via internal brainstorming and from literature. These are then grouped and ranked based on the impact and certainty in 10 years (by 2032) in order to identify the key change drivers. Secondly, various hypotheses are made based on the change drivers, and four initial scenarios (most-likely, normative, optimistic, and pessimistic) are created, first internally, and then further developed at the workshop with experts during VBM Researchers' Day.

The scenarios are currently being refined in the last phase of research, and a set of group interviews are planned with experts from the areas of extractivism, law, production technology, materials, and value chains. This is to develop a roadmap on how specific technology developments associated with digital manufacturing combined with legislative measures can trigger a change away from extractivism.

What does change drivers, trends, and megatrends mean?

Change drivers are trends and megatrends that will affect the future occurring of an event within a defined scope. It includes uncertainties and assumptions. Trends are events that are happening around at any given time. They occur over a shorter period of time and have local impact. Megatrends are events that have persisted for a long time and that are expected to continue for many more years with a worldwide impact.

Workshop with VBM researchers in November 2021