

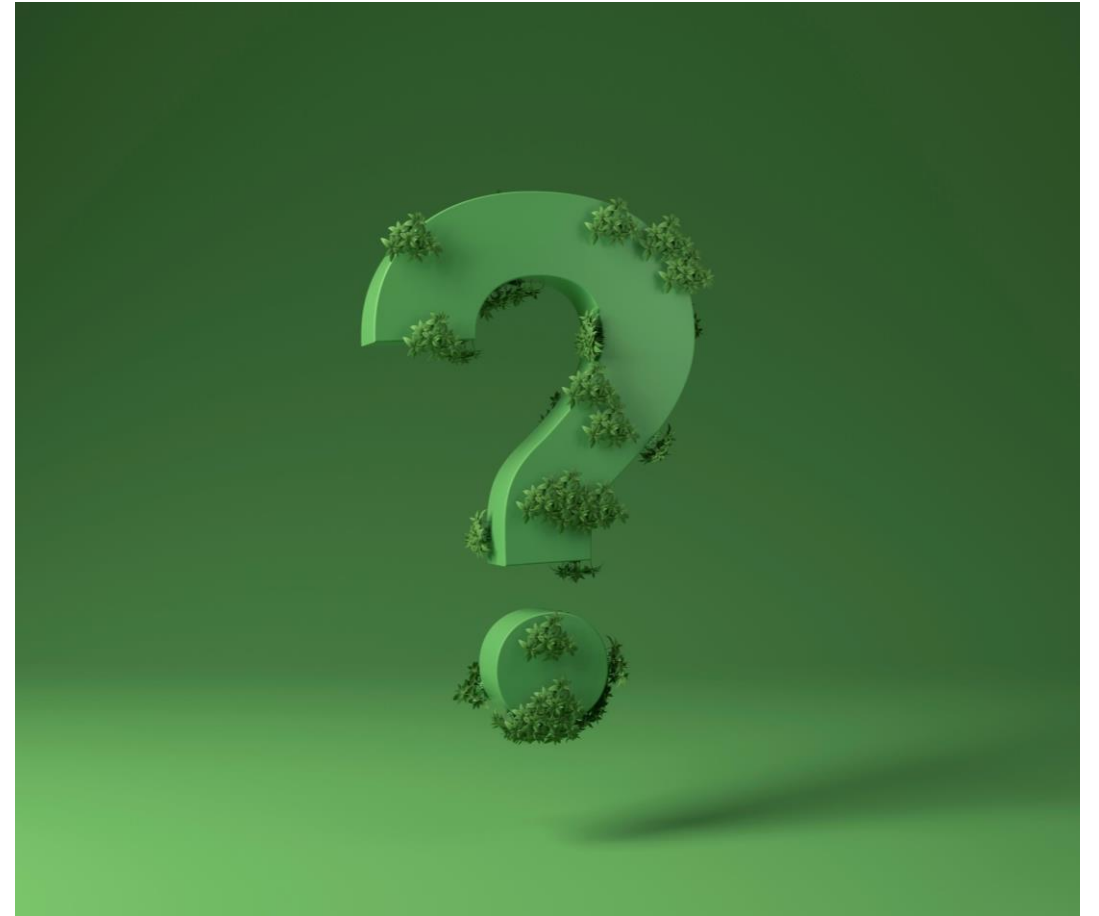
A scenic view of a city at sunset. The sky is a mix of orange, red, and purple. In the foreground, a blue and white train is moving across a bridge. In the background, a large, ornate church with a tall spire is silhouetted against the sunset sky. The city buildings are also visible in the distance.

# Scenario methods to drive and monitor sustainable transition

Håkan Johansson, Trivector Traffic  
[hakan.johansson@trivector.se](mailto:hakan.johansson@trivector.se)

# Why work with scenarios?

- ▶ What is a likely development with discussions already made?
- ▶ Need to know possible developments to be better prepared for future
- ▶ How can the goals we set be achieved?
- ▶ ....

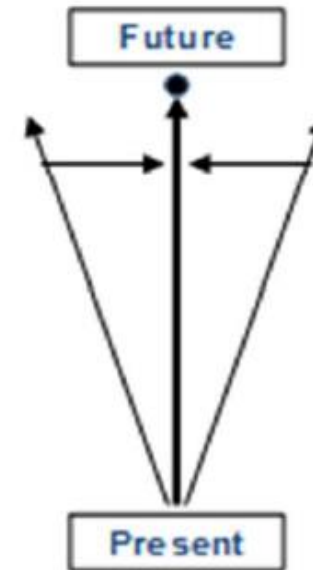


# Different scenario techniques

- ▶ Forecast – predictive scenario
  - builds on decided measures and known factors
- ▶ Explorative scenarios
  - different possible futures
- ▶ Backcasting
  - starts from a desired future and explores what it took to get there

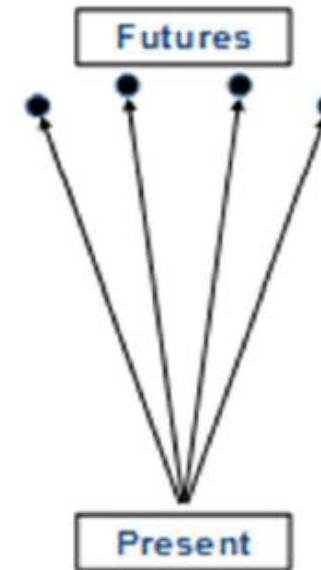
## Forecasting

Project most likely future



## Scenarios

Explore alternative futures



Assess feasibility of desirable future



# Scenario cross one way to explore scenarios

*Each axis includes uncertainties*

Low technologic development

High volume car and truck traffic

High technologic development

Low volume of traffic

# Different questions require different techniques

- ▶ What is a likely development with discussions already made?
  - Forecast
- ▶ Need to know possible developments to be better prepared for future
  - Explorative scenarios
- ▶ How can the goals we set be achieved?
  - Backcasting



# But often a combination is the best solution

- ▶ Forecast to see likely future with decisions already made. But also, the gap between the likely future and the goal. A first step to recognize the need of measures.
- ▶ Explorative scenarios can also be used to test effect of different measures. How close do we then get to the goal?
- ▶ Backcasting is preferable done in workshops with different actors. Besides identifying a route (or more than one) to reach the goal, it also is recognized to be a method to get better understanding of different actors view and reach consensus.



# There are several more techniques

