Hydraulic modelling as an asset management tool Āpōpō Dunedin Branch Event, 18 April 2024

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Hydraulic modelling as an asset management tool

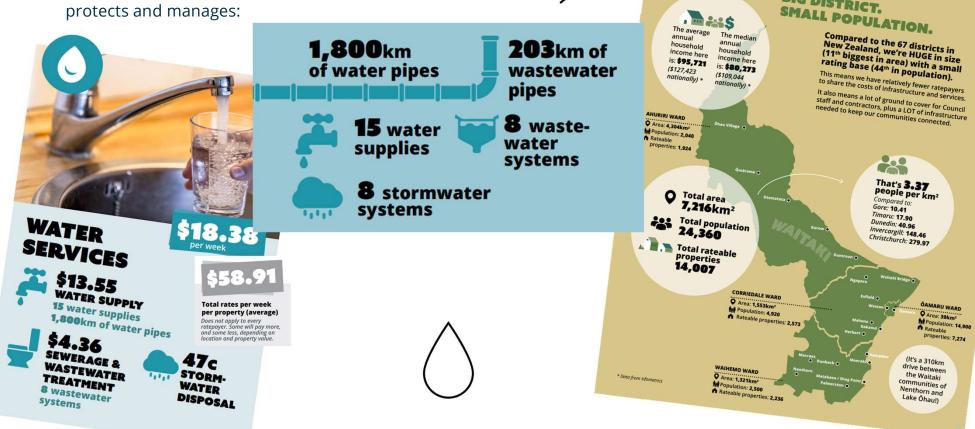
Overview

- Introduction to Waitaki DC Water Services Team
- What is hydraulic modelling? How do we do it?
- How is the use of hydraulic models integrated across the Water Services Team?
- Modelling as an asset management tool



What we do

The Water Services Team provides, maintains, protects and manages:

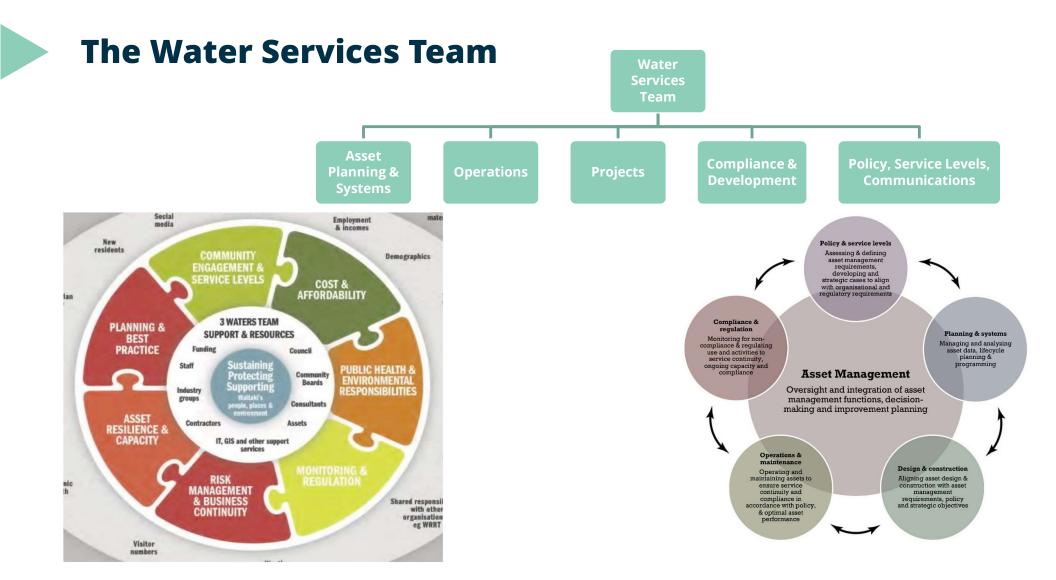


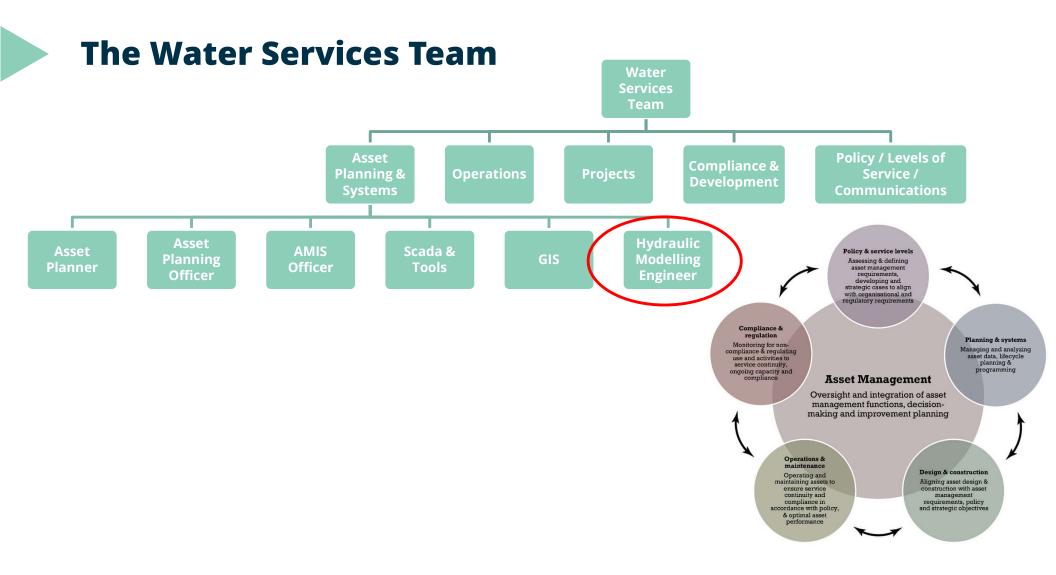
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MAPPING THE

BIG DISTRICT.

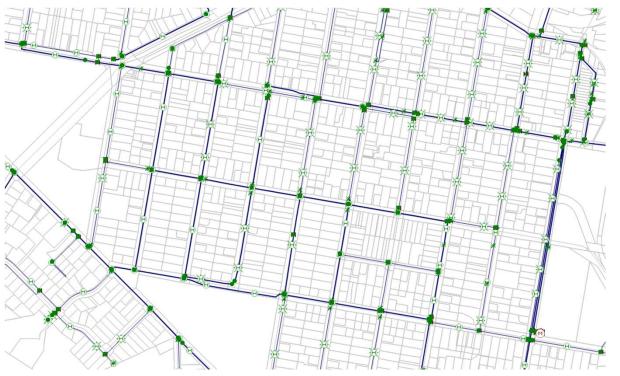
CHALLENGE

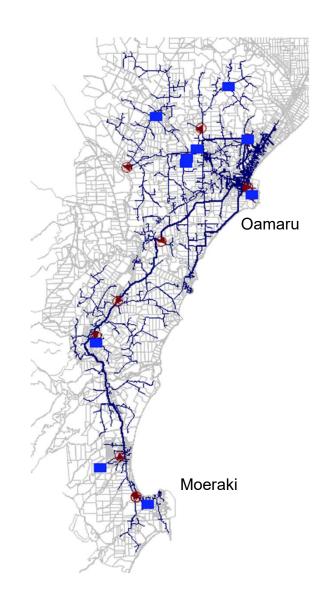




Water models

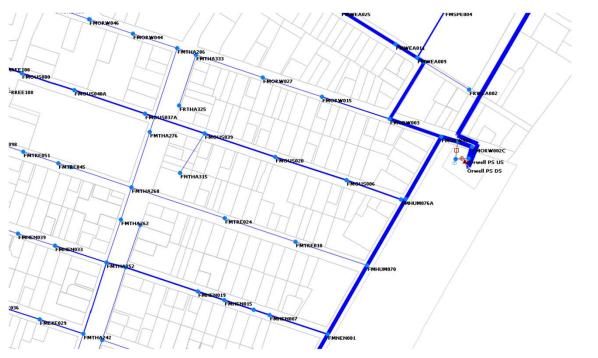
- Infoworks WS Pro
- 11 water supply networks modelled

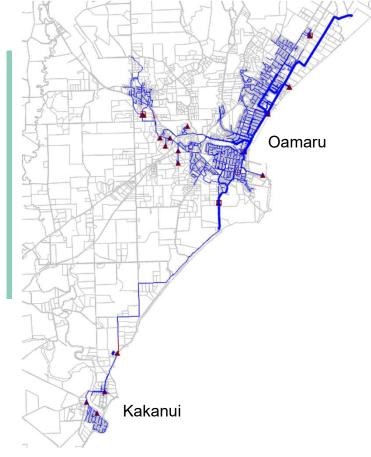


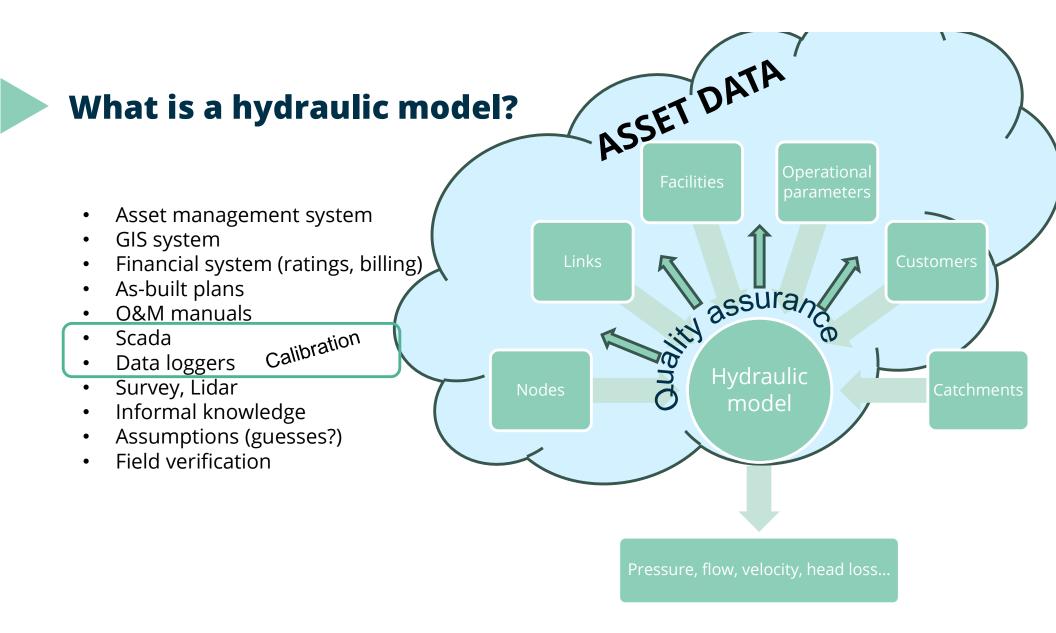


Wastewater models

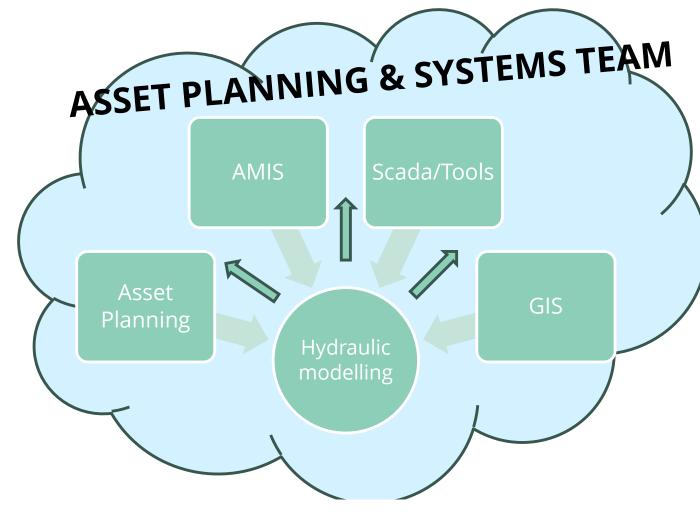
- Infoworks ICM
- 6 wastewater networks modelled



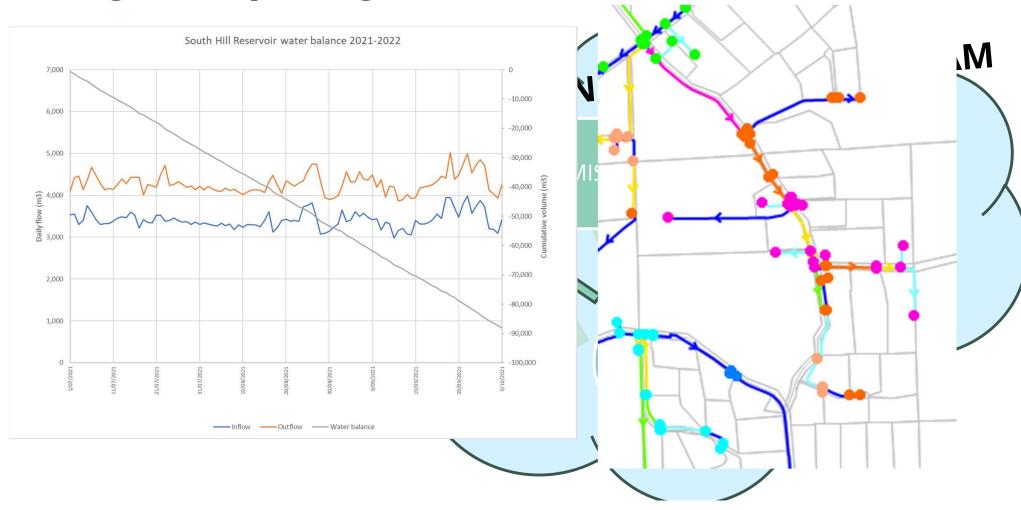


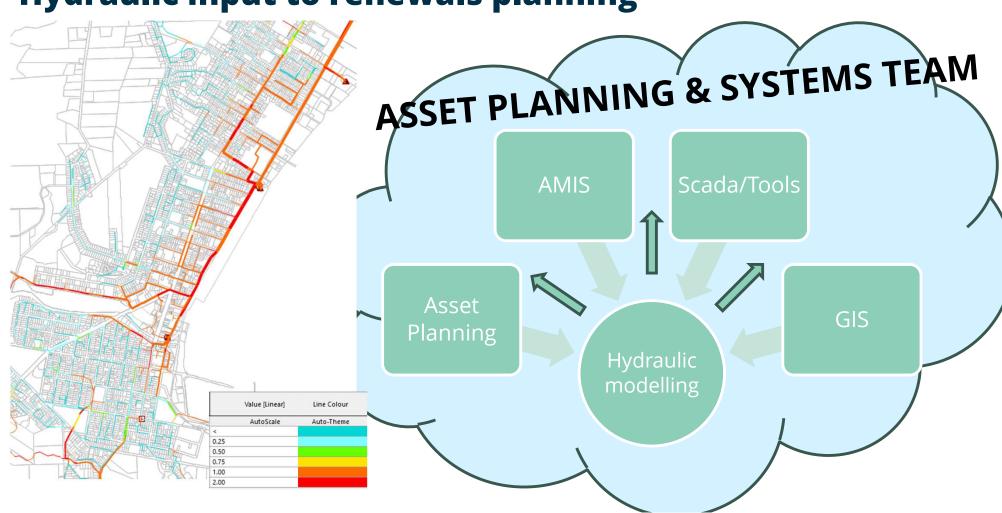


How does modelling sit within AP&S team?

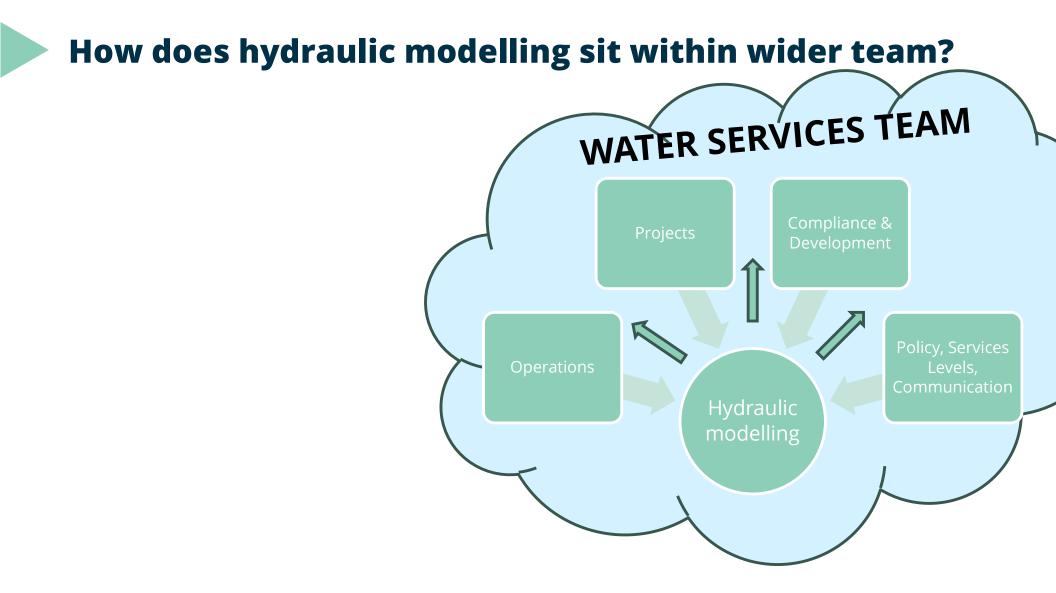


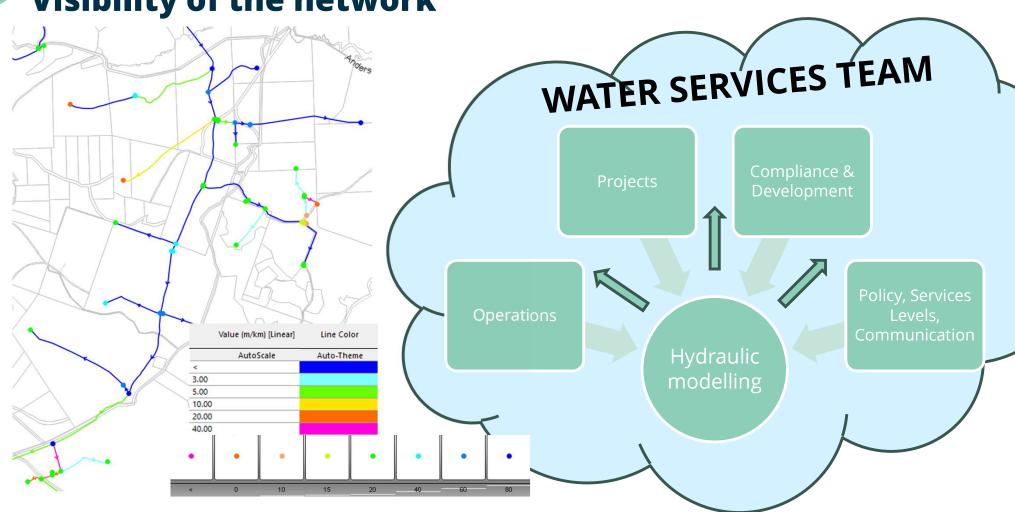
Using and improving asset and Scada data





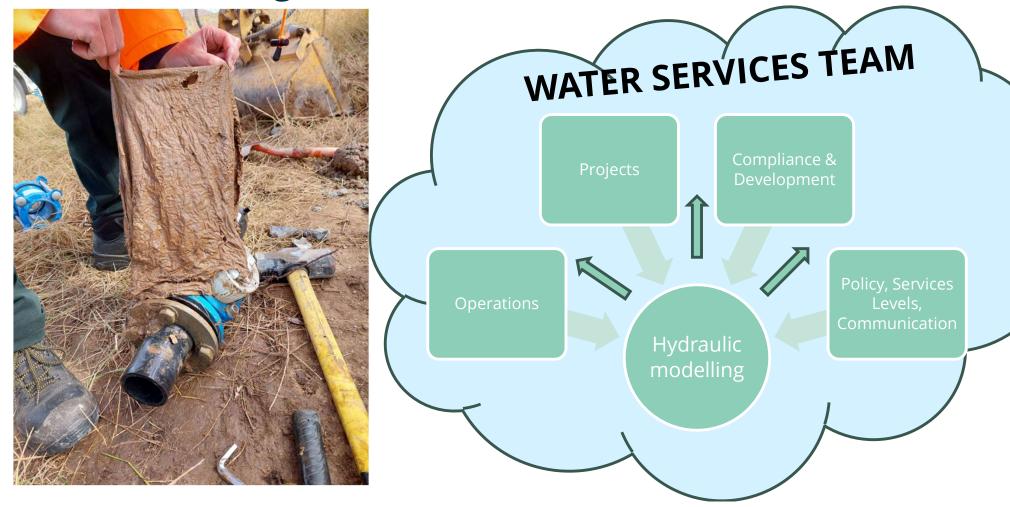
Hydraulic input to renewals planning



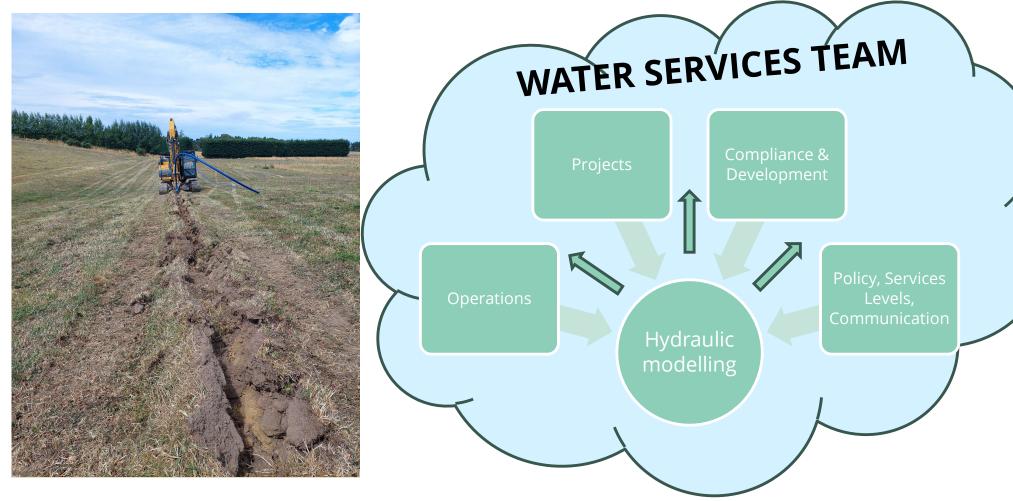


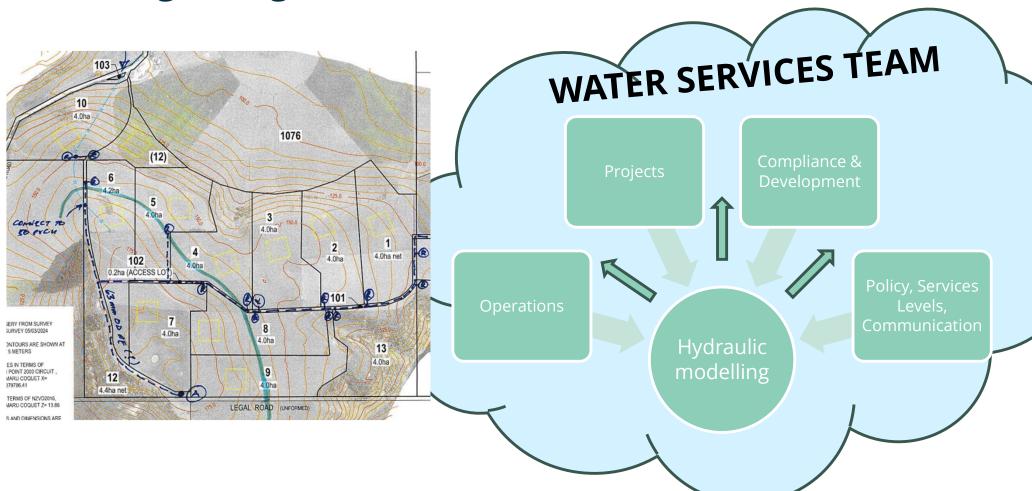
Visibility of the network

Network management – leak detection

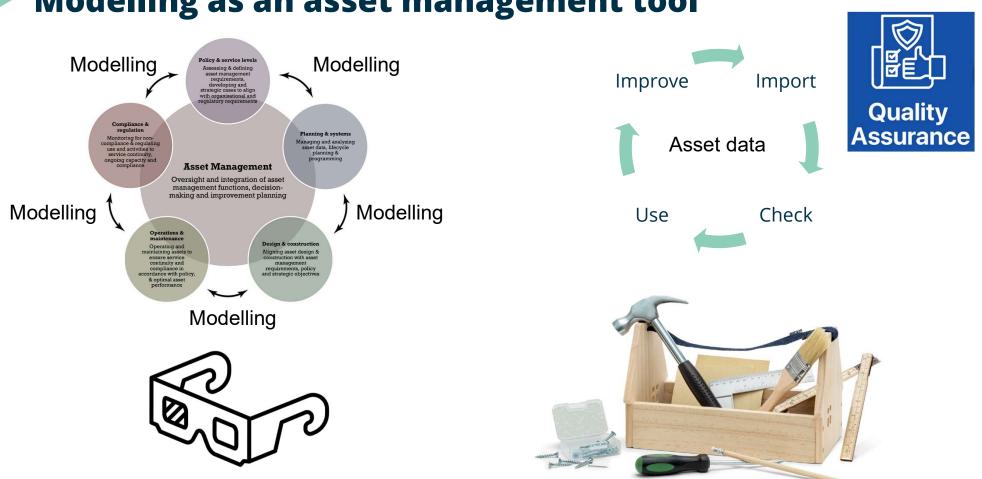


Design





Dealing with growth



Modelling as an asset management tool

Thank you. Questions?



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