A field comes with one or more reservoir's, each containing multiple targets. The field has a set of well/wellbores that drains the targets in terms of volumes. Volumes are both measured and prognosed and constitiute the value of the target.

Every time a wellbore is made the reservoir properties (porosity, etc) are measured and stored in what we call a well-log.

The subsurface team that is tasked to find new volumes (targets) that can be drained to replenish production loss, or to increase the production. New volumes materialise as targets (areas of the reservoir that can be drained).

To understand a targets value wellbore paths are generated and simulated upon as illustrated by the yellow boxes.
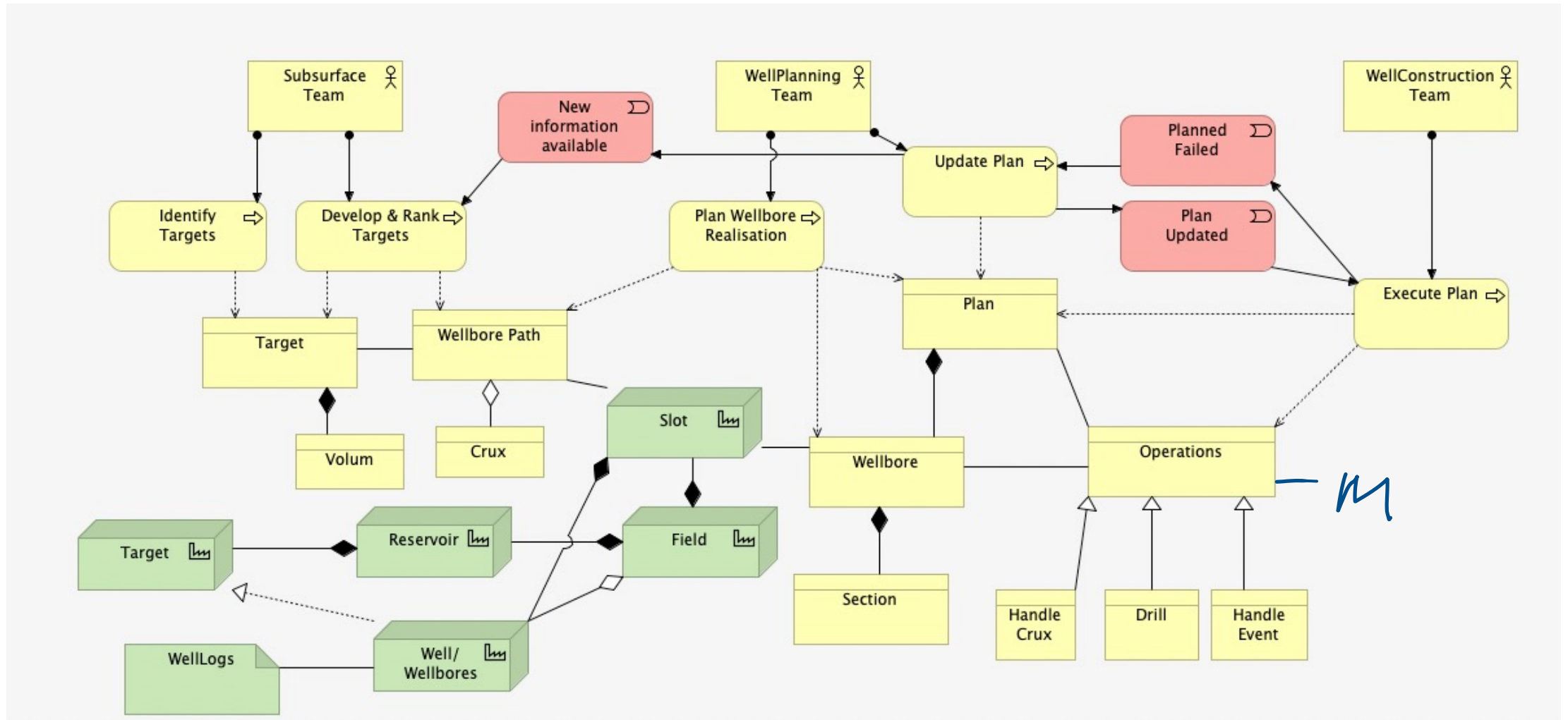
- The cyclic nature of the process is captured by the events that drives the loops. The model is oversimplified.

PP / FG   MUD

⊏ ― Kick → ⊢

M
E

For prioritized targets develop alternative realisations aka wellbores

Subsurface Strategy

Reservoir

Hazards

Volume

Target

State

Drilled

InMatruation

Alternative Realisations

Wellbore

Path

Sections

Operations

Facility

Value

Slot

Existing Well/ Wellbores

Construction Plan

Rig

Activities

Drilling is about the manaufacture of a specific wellbore

The construction plan captures how the actual wellbore will be produced by a specific rig and detailed construction methods.

The tasks required to produce a section of specific kind