## Integrated Resource Project Classification: a Sustainable Approach

Part of the United Nations Resources Management System

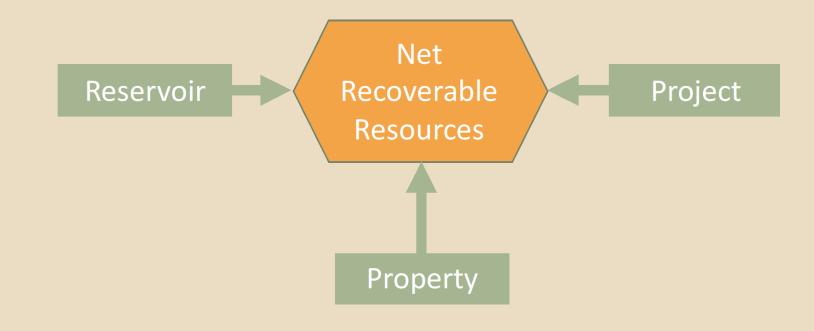
#### **Resource Data Sources**

Resource estimation requires three key disciplines:

- Commodity specialists
- Project and facility engineers
- Commercial specialists

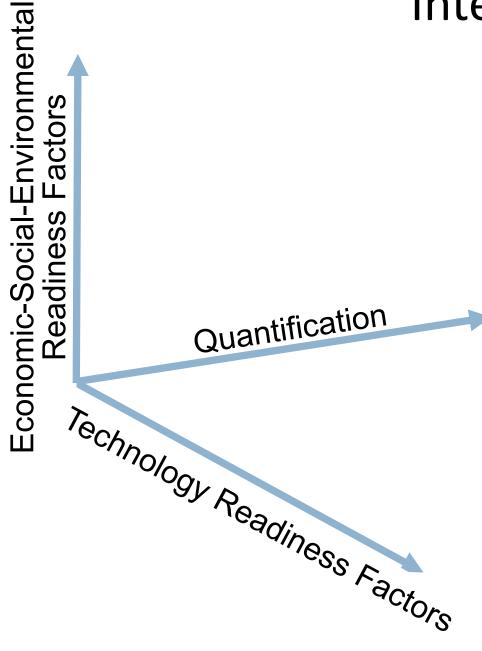
Each discipline address different challenges in the assessment of the project resources

A full understanding of the maturity of a project requires an understanding of each of these analyses



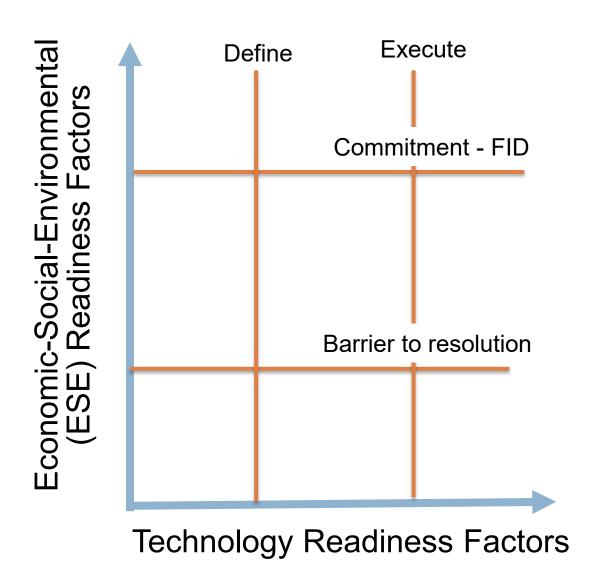
Taken from Society of Petroleum Engineers (SPE)
Petroleum Resources Management System (PRMS)

# Integrated Resource Assessment

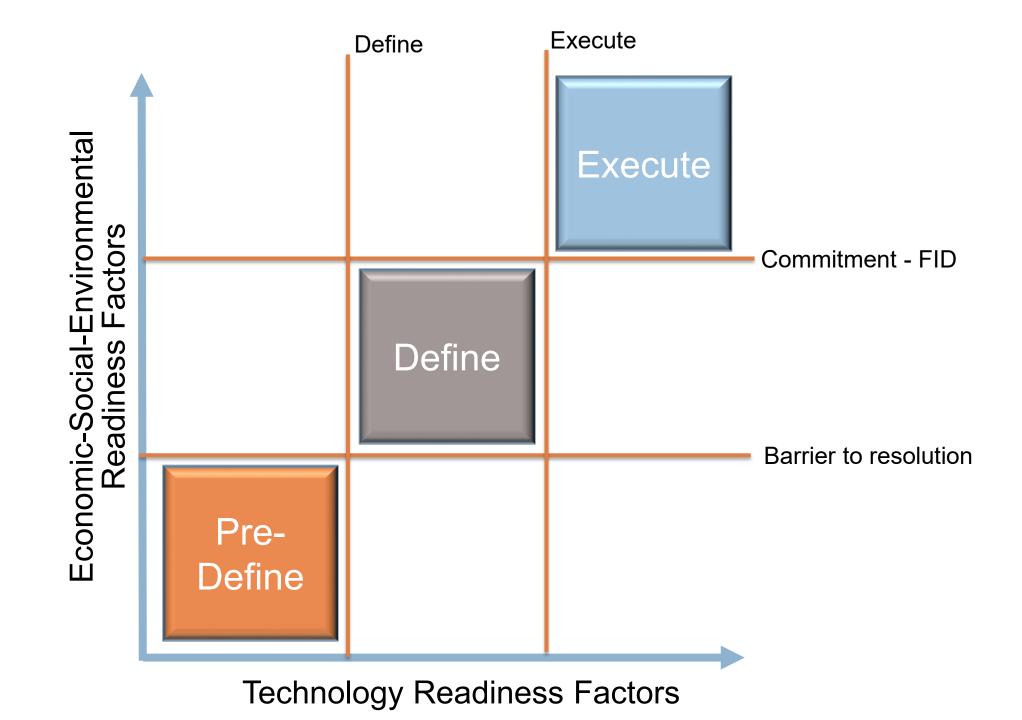


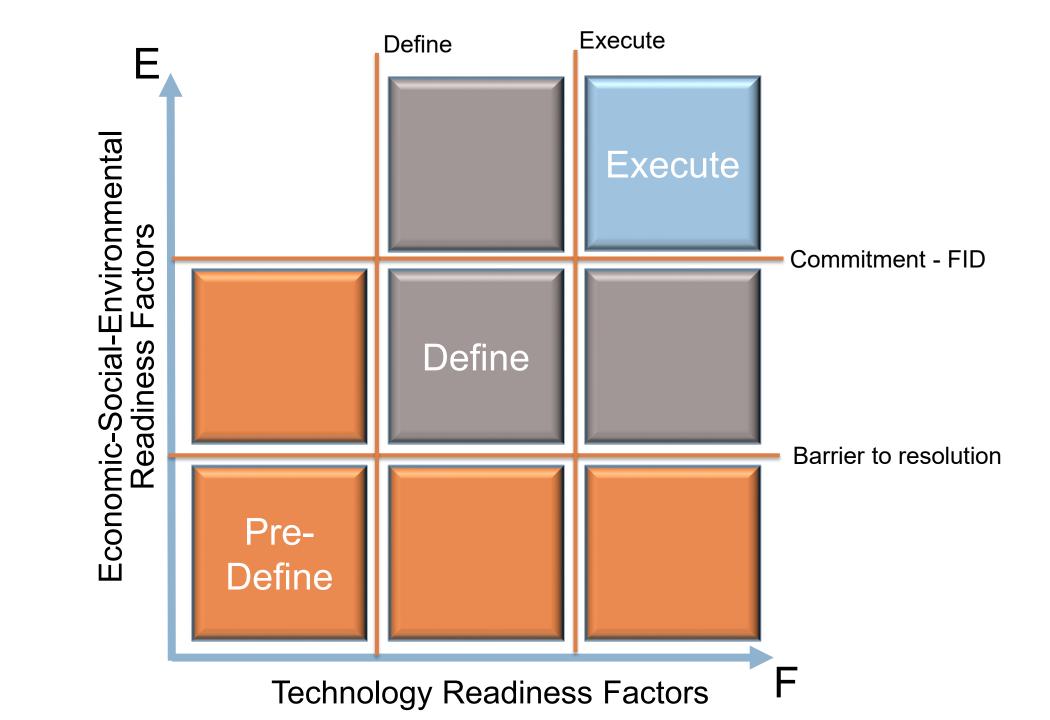
- Input from the three disciples can be thought of as viewing the problem in a 3D view
- Each discipline can assess the project and its maturity can be described
- Thus, the barrier to a project progressing to the next stage of the capital value process (CVP) can be identified and addressed

#### **Defining maturity: Readiness factors**

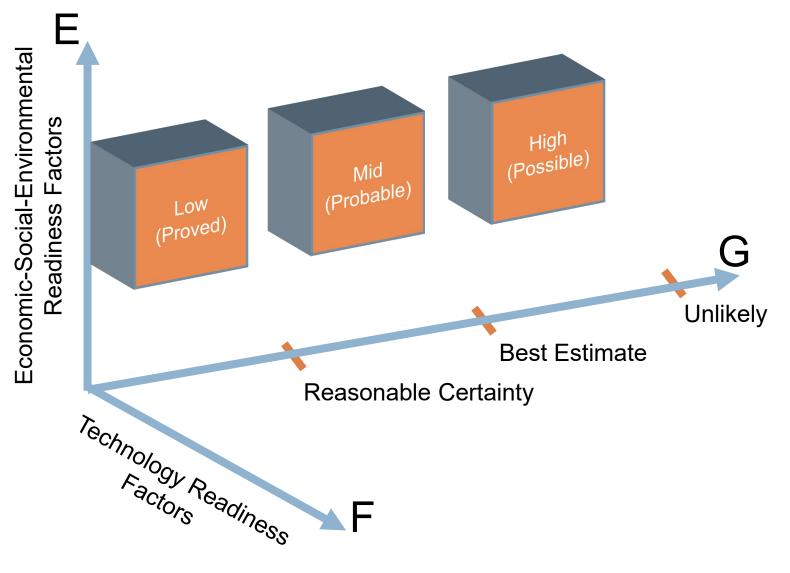


- Readiness is the potential of the project to cross the next level of maturity
- ESE readiness measures progress towards commitment and a final investment decision (FID)
- The CVP stage gates naturally fit with a project's technical or physical construction feasibility
- A project will always be classed at a single point on the grid
  - If it appears to be at multiple locations, it likely means that the project is not ring-fenced and consists of more than one project



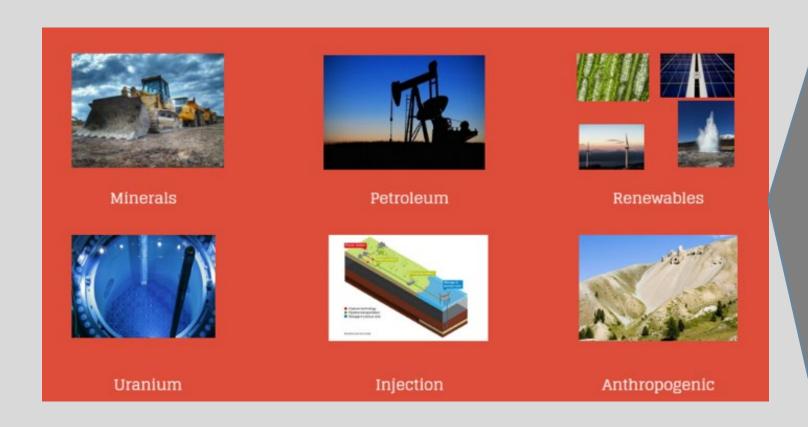


#### Quantification is a bit different



- The axis is not a measure of maturity, but a description of the range of value
  - Monetary
  - Non-monetary
- Resource volumes, emission volumes, net present value, production profile, quantified impact on local economy (e.g. jobs) are some of the values that can be captured.

### Consistent classification and management of all resources



The matrix can be used for any commodity providing a consistent framework for the comparison of different projects