The ExplorePlan (DELFI) Journey

Boosting the Discovery of New Exploration Opportunities

SIS Forum 2019

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Equinor | A Leading Digital Explorer

- More business opportunities
- Increase efficiency in the value chain
- Capture better acreage
- Improved success rate
- Delivering profitable, high quality resources
- Boosted moral and motivation!
Exploration Process | Pain-points

**Consequences**
- Sub-optimal decisions due to time loss and incomplete data foundation
- Knowledge decays & loss

**Teams/Leadership**
- Insufficient communication
- Unclear roles and responsibilities
- Individual interpretation of requirements
- Knowledge moves with people

**Data and Information Pool**
Data is …
- difficult to find
- non-searchable, neither referenced nor indexed
- hidden behind applications
- not single source & different formats

**Platforms and Applications**
Fragmented Tool landscape
- Multiple applications (no one big picture!)
- No contextual flow (how did we get here?)
- No decision capturing (why was that done?)
Mission Statement
A hydrocarbon exploration management tool that plans, tracks and facilitates the creation, iteration and maturation of new and existing opportunities in the exploration funnel.
ExplorePlan | Components and Goals for Phase 2

**Project**
- Subsurface projects planner: overview, including project types, team and tasks
- Defines and manages decision gates: milestones, deliverables

**Knowledge Board**
- Boards fully customizable for user type, opportunity type and technical requirements
- Board timeline and versioning (decision gates)
- Consumes any data sources (unstructured data, Petrel etc.)
- Collaborative functions for teams and reviewers
- Dynamic reports of predefined templates (documentation requirements)

**Data Discovery**
- Smart search and shopping basket
- Data analytics to quality control data

**Opportunity Inventory & Assessment**
- Interactive interface to prospect evaluation tool (GeoX)
- Multi-scenario assessment function
- Analogue suggestions for probability distributions
- Auto-populate parameters from analogous prospect assessments
- Interactive analytics of prospect parameters from a portfolio selection
ExplorePlan | Information Streams and Interfaces

Projects

- Project A
  - Prioritizing a Project
  - Decision/Approval
  - Decision/Approval
  - Project Closure

Knowledge Board

- Board Creation v.0
- Board v.1
- Board v.2
- Board v.4 - Final

Deep Links to applications

Data Discovery

Petrotechnical Suite ++

- 3rd party Software

Opportunity Inventory & Assessment

Data & Information

Prospect Evaluation

ExplorePlan | Information Streams and Interfaces

- SIS Global Forum | ExplorePlan - SLB-EQN Digitalisation Collaboration
- Schlumberger
- Equinor
- Prioritizing a Project
- Decision/Approval
- Project Closure
ExplorePlan | Data & Analogues discovery environment
ExplorePlan | Knowledge Board
ExplorePlan | Funnel Inventory & assessment tool
Boosting the Discovery of New Exploration Opportunities

- Work more efficiently
- Always build on knowledge, never lose it
- Make better-informed decisions
- Find more oil and quicker
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