A GIS BASED KNOWLEDGE MANAGEMENT TOOL FOR EXPLORATION: A CASE STUDY

Jørgen Jørgensen and Johan Sandell Bull-Njaa
Synopsis: Dan starts new project. Kent has worked the area before, but can't remember why they concluded negatively at the time. Dan ends up spending two months on his project, only to come up with the exact same conclusion as Kent had 5 years earlier.

- Knowledge is our currency
- Knowledge must be captured, shared and re-used
- Alternative: inefficiency and poor decisions
Users and workflows

Orion browser and editor

Corporate data warehouse

ORION
- Knowledge created in projects
- Turn condensed knowledge (summary) into facts
- Put in DB
- Add geography
Regional screening
- Licensing rounds
- Farm-ins
- Licences

Screen for opportunities
- basin modelling
- petrophysics
- writing licence applications
- planning and drill wells
- visit data rooms
- plan and drill wells
- go to licence meetings

Products
- Knowledge: learnings
- Recommendations
- Decisions
- Seismic interpretations
- Prospect/lead evaluations
- Presentations/reports

Common denominators
= Exploration project

1. Purpose: Increase the (geological) knowledge
2. Restricted to a geographical defined area
3. Related to only one exploration phase
4. Project leader
5. Start and end date
• Use browser to register project
• Draw polygon on map
• Fill in form
• (<5 min)

• Evaluate
• (1 week – 1 year)

• Use browser to summarise project: conclusions, learnings, decisions
• Update databases (prospects, seismic interpretations)
This application lets you query and visualize the data from our corporate databases. You can save the state of the application from the "I want to menu" and open it later. You turn on and off layers by selecting the layers tab below.

To register a prospect or exploration project go to the "I want to menu". When you register a feature, you fill in the form and choose how you want to register the polygon.

To go to the advanced version with more tools and functionality, click on the following link: Orion Slim

- Video of browser
- Created in Geocortex
- Intuitive user interface
DATABASE
EASY-TO-USE TOOL
WORKFLOWS