

1 IVT Faculty Research Strategy 2013 - Action Plan

Focus Area: Petroleum and Geology
Sub Area: Oil & Gas

(This presentation is in response to questions from IVT)

Action Plan 2013

Q: Which activities to be completed within the Priority Area Oil & Gas in 2013 ?

- Applications to NRC for SFI, SFF, FME, ERC, NFR, KMB?
 - Partner with UiT, UiS, UiO, UiB, UNIS in application for Arctic centre (SFI?)
 - Partner with IRIS, UiS, SINTEF in application for IOR centre (SFI?)
- Increased international visibility?
 - Arrange 3 international conferences in Trondheim (IO13, ROSE-13, SPE ATW Norne)
 - Participate with paper presentations at key international conferences (SPE, SEG, EAGE, SCA,...)
 - Continue international research collaboration with universities in USA, Canada, Brasil, Nederland, Italia

Action Plan 2013

Q: Which activities to be completed within the Priority Area Oil & Gas in 2013 (continued)?

- Increased no. of publications?
 - Establish economical incentives (research funding) for refereed publications
 - More emphasis on paper-based Ph.D theses
- Strengthen research network?
 - Continue to be active in existing international research network
 - Increase collaboration with UiT, UiO, UiB, UiS, UNIS, SINTEF through the planned centre applications
- Marked strategy?
 - Visibility through research results and graduates hired by industry
 - More industrial participation in large research projects
 - Be more active in applications to Petromaks 2



NTNU

Det skapende universitet

Action Plan 2013

Q: Which activities to be completed within the Priority Area Oil & Gas in 2013 (continued)?

- Industrial networks?
 - IPT has extensive industrial collaboration and agreements with 25-30 companies. This will continue and be strengthened.
- Ph.D program support from industry?
 - Out of the around 60 Ph.D students within upstream oil and gas, around 60% are financed by industry. This will continue at around the same level
- Organizational changes at NTNU?
 - There is already extensive collaboration between IPT and many NTNU departments within oil and gas. The link between IPT and IGB will be strengthened without organizational changes

Action Plan 2013

Q: As a area leader, whom would you as an area leader invite to participate in realization of the selected research topics?

- Internally at IVT?

- IGB and IPT are close partners within geoscience. Within EOR we want more collaboration with INDECOL and the Nano lab, and within flow assurance with EP

- Externally?

- NTNU: Cybernetics, Physics, Math, Chemical Eng., Chemistry
- SINTEF: Petroleum, ICT
- Nationally: As previously listed
- Internationally: As previously listed

Action Plan 2013

Resources (funds and personnel)

- Which of the planned activities in 2013 require funds?
(max 500 000 NOK)
 - The application processes for the two center applications (IOR and Arctic) require travel funding (Stavanger, Tromsø, Oslo, Bergen, Svalbard), in addition to external assistance for recruitment of industrial participation to the centres. We apply for NOK 500.000

Action Plan 2013

Resources (funds and personnel)

- Do you need Ph.D scholarship (max 1)?
 - The Ph.D scholarship will be associated with one of the new centres (IOR and Arctic) in a basic research topic. Nano particles for EOR is one possible area, but also subsurface mapping in arctic.
 - At which department will the Ph.D student be located?
 - At IPT