



NORWEGIAN PETROLEUM
DIRECTORATE



Workshop on CCOP metadata system development

Davao City, Philippines 7 – 9 September 2009

Mr. Kjell Reidar Knudsen, Norwegian Petroleum Directorate



Terminology

Project title

”Metadata on Natural Gas Resources”

=

Metadata for **Information related to Petroleum Resources**



Last workshop :

Metadata (generally speaking...)

Metadata: Data about the data/information

Data/Information
(Data resource)

People can

- read metadata to see if the box is worth opening/using
- search for information inside a lot of boxes by reading the metadata

Computers can

- store the metadata to make it possible to search for specific information
- use the metadata to be able to connect to the server where data is stored
- use the metadata to read the data (and use it)



Last workshop :

Purpose decide what is “the black box”

Metadata may be made on all levels of details:

A map/report/URL/database:

Description, Keywords, ownership, contact person

The item structure (ex document format, database structure):

Drawing, picture, map, size, weight, data model

The medium:

Magnetic medium, optical medium

The digital file:

Protocol, file format, Header type

Which level of metadata is useful for the EPPM

Last workshop :

- ◆ Subject Based classification
- ◆ Controlled vocabulary
- ◆ Taxonomies
- ◆ Thesaurus
 - ◆ ISO 2788 Monolingual
BT, SN, USE, TT, RT
 - ◆ ISO 5964 Multilingual

This workshop:

Topics given in program:

- ◆ **Metadata system development – Norway**
 - ◆ How it started? Who needs the system?
 - ◆ What is the value of a metadata system for oil & gas resource development?
 - ◆ What International standards were considered?
 - ◆ Lessons learned that could of value to the CCOP Member Countries

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Focus on the fact that metadata have to match the scope and needs of the users

How it started

- ◆ Correspondance (letters, telexes and faxes)
 - ◆ In and out of NPD. Journal and its attributes
 - ◆ Managed by our document center
- ◆ NPD Library
 - ◆ Books and reports
 - ◆ Research project index
- ◆ The need for a Thesaurus

NPD letter index 1973



Journalregister, 19 73 B 1

Jnr.	Avsender	Innhold	Dato	Arkivbetegnelse
OD 1 Utg.	Ingrid Bjordal	Innkalling til konferanse kontorass. 10.1. kl 12.40	2.1.	
OD 26	Bakke, Wilhelm Transp.	Tilbud transport ved flytting	15.12.72	
OD 32	Brandsberg-Dahl, S	Kopi av brev til Bygningssjefen i Stvgr. - Innredning, Lagård- veien 80.	9.1.	
OD 33	Brandsberg-Dahl, S	Kopi av brev til Statens Arbeid tilsyn - Kontorer, laboratorier og lager, Lagårdsveien 80	9.1.	
OD 37	Brandsberg-Dahl, S	Kopi av brev til Murmester Wiig ang. Mur- og pussarbeidene, Oljedir., Lagårdsvn. 80	15.1	
OD 38	Brandsberg-Dahl, S	Kopi av brev til SBED ang Oljedirek., Lagårdsvn. 80, Mur- og pussarbeidene	15.1	
OD 94	Brandsberg-Dahl, S	Kopi av brev til Norema A/S ang anbud skillevegger, OD, Lagårdsveien	20.1.	

4 metadata elements

Journalregister, 19 73

B

1

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OD 32	Brandsberg-Dahl, S	Kopi av brev til Bygningssjefen i Stvgr. - Innredning, Lagård-	9.1.	
OD 125	Brandsberg-Dahl, S	Kopi av brev til Ing. Lars Vambheim, ang. Hvelvdør, OD	3.2.	
OD 126	Brandsberg-Dahl, S	Kopi av brev til A/S Joh Olsen Pengeskapsfabrik ang Hvelvdør, OD, Lagårdsveien 80, Stavanger	2.2.	

NPD letter index 1981

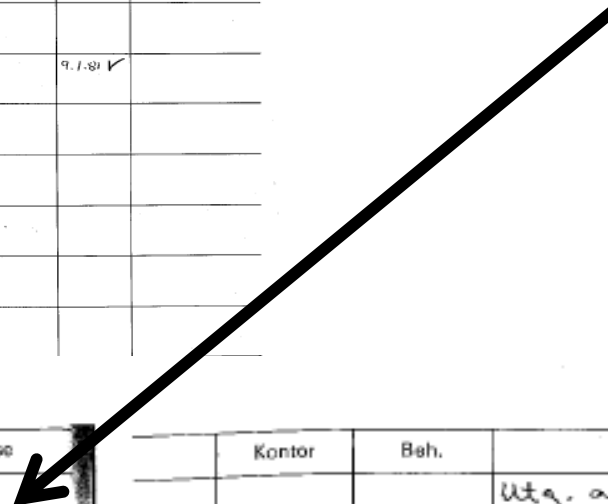
- filing system key introduced



Journal, den 2 JAN. 1981

Jnr.	Avsender	Innhold	Dat.	Avkivbetegnelse	Kontor	Beh.	Ekspedisjon	Dato	Ann.
1 tlx.	Neste OY	Suggest meeting in Stvgr.	29.12	FB 008.3			Utg. avs.	2/1-81	
2 tlx.	Global Marine	Godkjenning av ansatte	31.12	SAP 701.21.65 BFB 86.3					
3	PTI	Kurs for borere-deleksamen I.	23.12	SAP 701.21.65 BFB 86.3					
4	Univers. i Oslo	Statusrapporter og regnskapsoversikter 1981.	23.12	RG 721.1 ED					
5	Ed-Hughes Inc.	NPD requirements for Pipe Handling Systems.	19.12	SM 755.A			Utg. avs.	15.1.81	
6 tlx.	Rauma-Repola OY	Ref: I st pection, change of one T-connection.	31.12	SBB 770 RR-12 TSR					
7	Ukjent	The 28-28 schedule for all expatriots working in Norway.	22.12	JJ 701.21.65					
8	Oregon State University	Not received copy of report Prepared by Veritas.	15.12	AI 088.7			Utg. avs.	9.1.81	
9	Tennoco Oil Norsk	Fourth Quarterly Report Recon. Lic. 066.	24.12	RG 711 SSE					
	Sjefartsdir.	Sub-committee on Standards of Training and Watch-keeping, 14. session.	22.12	JJ 700.2 IMCO AST					
	TRCO	Tor Unit Technical committee meeting no.45-revision.	31.12	JØR 744.3 TOR PT					
	vanger Drilling	Bekreftelse av gjennomgatte kurs.	30.12	SAP 701.21.65 BFB					
		Seismiske undersøkelser blokk 35/3 Northern Horizon.	30.12	JJ 711 ES					

Comprehensive Norw. standard code list for public administration



Journal, den 2 JAN. 1981

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1 tlx.	Neste OY	Suggest meeting in Stvgr.	29.12	FB 008.3
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3	PTI	Kurs for borere-deleksamen I	23.12	SAP 701.21.65 BFB

Kontor	Beh.	Ekspedisjon	Dato	Ann.
		Utg. avs.	2/1-81	

NPD Filing System key 1973 - 1990

730.4	Progressrapporter - Ekofisk
730.5	NGL - saker
730.6	Bruk av konsulenter
730.9	Diverse
731	Forskning teknologi
731.0	Forskning teknologi - gen
731.1	Universiteter
731.2	Vitenskapelige institusjoner
731.3	Oljeselskap
731.4	Konsulenter
731.5	Egne utredninger
731.9	Forskning teknologi - div
733	PRODUKSJONSBORING
733.0	Generelt
733.01	Oversendelsesbrev DHSV testrep
733.1	Boreprogram/borehullsdata
733.2	Uinterpreterte borehullsdata
733.21	Geologiske materiale
733.3	Interpreterte borehullsdata
733.4	Kjernebeskrivelse
733.5	Produksjonstester væskeanalyse
733.6	Daglig melding telex
733.7	Hastighetsmåling
733.9	Diverse
734	RESERVOAR - ANALYSER
734.0	Reservoaranalyser - gen
734.1	Interpreterte reservoardata
734.2	Reserveberegninger
734.3	Produksjonsprognoser
734.4	Selskapenes reservoaranalyser/multi rate tester
734.5	Interne reservoaranalyser
734.6	Konsulentreservoaranalyser
734.9	Diverse
736	PRODUKSJONSDATA
736.0	Generelt
736.1	Produksjonsoppgaver Prod lift inventory
736.2	Bill of lading / Shipment Sailing advice
736.21	Motakerland av råolje
736.3	Datainnsamlingsystemer
736.7	Analyserapporter
736.9	Diverse
737	Unitisering
737.0	Unitisering - gen
737.1	Standardavtaler og andre lands avtaler
737.2	Internasjonale avtaler om unitisering
737.3	Unitiseringsavtalene
737.4	Behandling av unitiseringsavtaler
737.9	Diverse

The Norwegian standard code list for public administration had to be **extended for petroleum administration**

NPD Filing System key

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737.3	Unitiseringsavtalene
737.4	Behandling av unitiseringsavtaler
737.9	Diverse

Eksempler på bruk av nøkkelen:

Skal man ha saksnummer til en sak som angår royalty Ekofisk, må EK føyes til saksnummeret.

Eksempel:
703.1 EK.

Gjelder saken boreprogrammet for plattform C hull nr. 13 på Ekofisk, blir arkivbetegnelsen:
733.1 EK-C-13.

Når saken gjelder undersøkelsesboring (Wild-Cats) blir dette arkivert geografisk på hull.

Eksempel:
Geologisk materiale på hull 30/10-1
Hår betegnelsen:
725.21 - 30/10-1.

Faste installasjoner blir arkivert på felt. Mobile plattformer blir arkivert alfabetisk (eller på bygge nummer).

Eksempel:
Saken gjelder utstyr boredekk Norskald.
Arkivbetegnelsen blir da:
772.3 - Norskald.

Dersom saken gjelder oljesel generelt blir betegnelsen
707.4

Gjelder saken oljesel Ekofisk blir betegnelsen
707.4 EK.

More information was squeezed into the same metadata element

How it started

- ◆ Correspondance (letters)
 - ◆ In and out. Journal ant its attributes
- ◆ Library
 - ◆ Books and reports
 - ◆ Oil Index
- ◆ Thesaurus

NPD Library

- ◆ Until 2004
- ◆ 16 000 Books & reports
 - ◆ Standard library index system
- ◆ Partnership with other Libraries
 - ◆ (online access to common index)
- ◆ Oil Index and INFOIL/SESAME

NPD Library - Subjects/Topics

- ◆ Petroleum Geology
- ◆ Geophysics
- ◆ Exploration
- ◆ Exploitation and production of oil and gas
- ◆ Offshore structures
- ◆ Pipelines
- ◆ Transportation
- ◆ Petrochemistry
- ◆ Supply services
- ◆ Petroleum economy
- ◆ Petroleum law and policy
- ◆ Safety and control
- ◆ Environmental and social impact of petroleum activities

Database OIL

◆ Content

- ◆ 38 000 references (1992) to Norwegian articles, reports and papers regarding petroleum
- ◆ Updated 6 times a year
- ◆ Covers information from 1974

◆ Access

- ◆ Online-search via telephone modem
- ◆ Printed "Oil index" 4 updates/year
- ◆ "Floppy disc" version of the database for PC
- ◆ Search engine "BRS Search"

An NPD Norwegian Petroleum Thesaurus was made



- ◆ "Petrus"
- ◆ Controlled vocabulary and analytical relations between terms within one or several disciplines
- ◆ Used for the library system ODIN and the database OIL
- ◆ From 1985 the maintenance was done together with Statoil
- ◆ Used until 1994 when it was replaced by a commercial thesaurus for Petroleum

Database INFOIL/SESAME

- ◆ Index of Petroleum Research Projects for Norway and UK
 - ◆ metadata incl descriptions
 - ◆ Thesaurus for terminology for the offshore industry

For each project, the following information is given:

Title
Name, address and telephone number of contractor and project manager
Sponsoring organisation(s)
Start and finish dates
Costs (optional)
Brief abstracts usually including objectives
Keywords

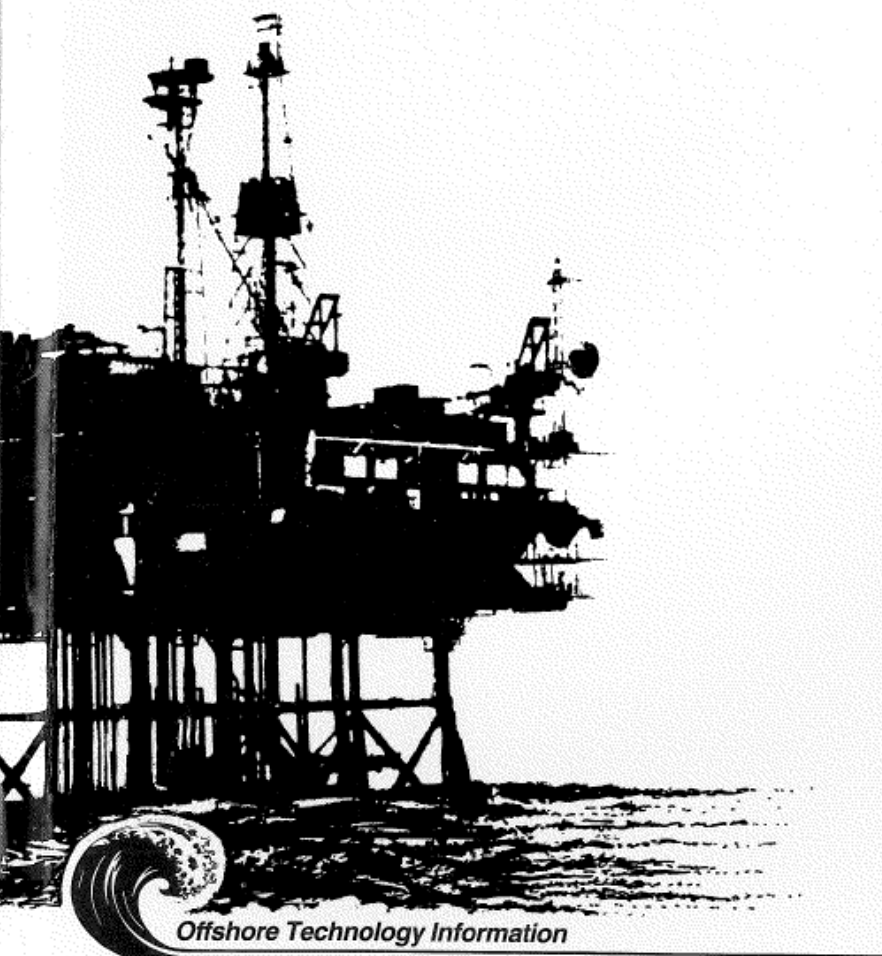
All information is in English. However, searches can be made by keywords in English or Norwegian. The number of recorded projects continues to rise and reached about 1900 at the end of 1987. New projects are entered periodically as they become available.

INFOIL/SESAME Thesaurus



OTI 88 505

INFOIL 2 THESAURUS TERMINOLOGY FOR THE OFFSHORE INDUSTRY



Offshore Technology Information

Department of Energy

NOTES ON THE THESAURUS

Purpose and scope of the thesaurus

The purpose of this thesaurus is to provide a list of preferred terms, with related terms given to help in choosing the most appropriate terms, for indexing documents and descriptions of research projects in offshore engineering.

While meeting the specific requirements of the INFOIL 2 database, the thesaurus is suitable for indexing collections of documents or providing keywords for other indexing applications in the field of offshore engineering.

The emphasis is on offshore oil and gas, and land-based support for the offshore industry, particularly considering the activities on the North West European Continental Shelf. A thorough coverage of petroleum geology has not been attempted, nor is coverage provided of refining and the downstream petroleum industry.

How to use the thesaurus

All entry terms are in alphabetical order, and are arranged to establish a uniform order for the related terms, indicated in each term with appropriate abbreviations used, which are as follows:

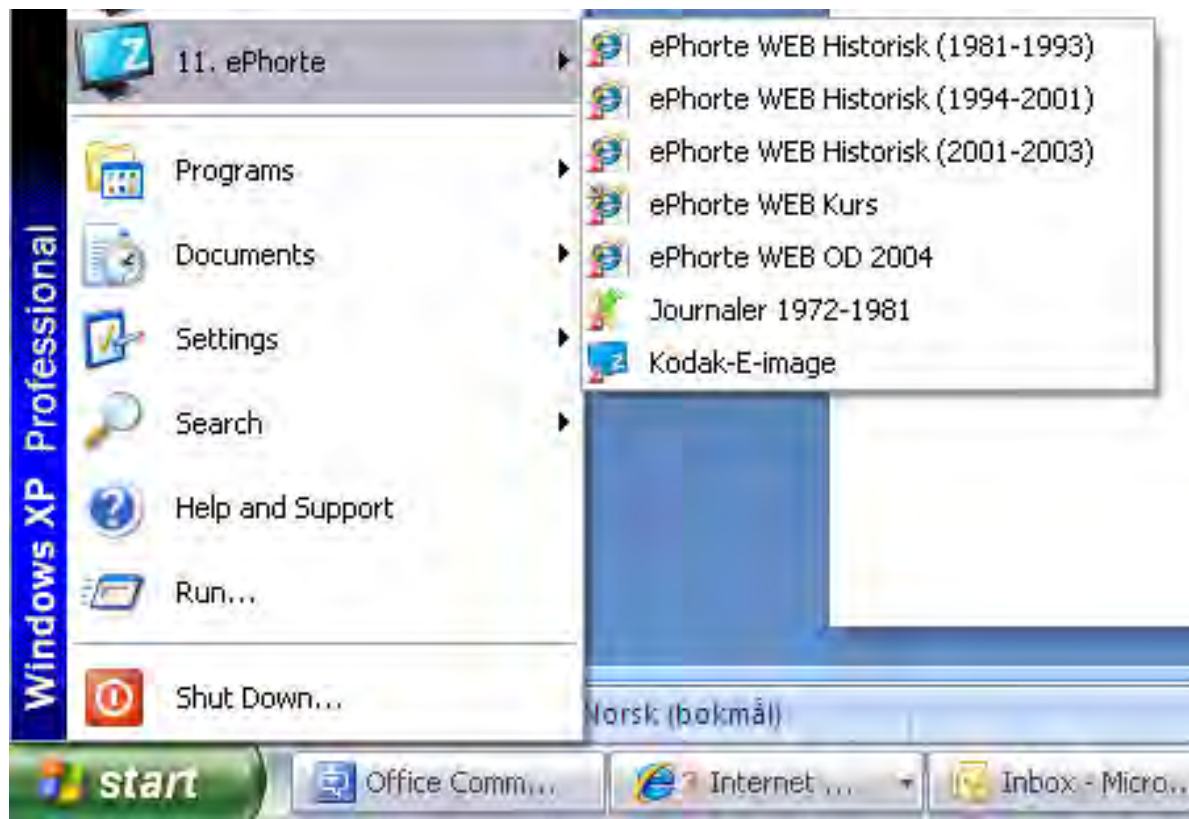
SN	Scope note
USE	Preferred term
UF	Use for
BT	Broader term
NT	Narrower term
RT	Related term.

The scope notes are not intended to be definitions. Many terms (e.g. 'rig') are used loosely in the offshore industry, and the scope notes here restrict the use of terms to a single or narrow meaning for the purposes of indexing and retrieving information.

Where there is more than one narrower or related term, they are placed in alphabetical order, and where there is an indication of a qualifying term, the qualifier is bracketed. For example:

NPD Document center

- ◆ 1973 – 1981 Manual system, later scanned and OCR
- ◆ 1981 - 2001 Electronic metadata system
- ◆ 2001 - Electronic full text DMS (Ephorte)





NPD Document center

- ◆ 1973 – 1981 Manual system, later scanned and OCR
- ◆ 1981 - 2001 Electronic metadatasystem
- ◆ 2001 - Electronic full text DMS (Ephorte)

NPD DMS: Ephorte



ePhorte (Kjell-Reidar Knudsen - Leder SOKELldata - ePhorte® for Oljedirektoratet) - Windows Internet Explorer

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Internet Archive ePhorte (Kjell-Reidar Knu... x

Logg på Logg av Ny saksmappe Standard søk Send lenke Alternativer

Felles søk

- Til fordeling i mine lag
- Under arbeid**
- Under arbeid i mine lag
- Bidragstyper
- Kopier av sendte brev
- Utsjekkede dokumenter
- Emnesøk
- Postliste siste uke
- Siste saker
- Siste journalposter

Du er her: Under arbeid | Søkeresultat (7 poster)

	R	D	V	Type	S	Innhold	Saksnr	Dnr	Avs/Mot	Adm enhet	Saksbeh	Dok.dato	Forfall
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	Inn	J Meeting with Diskos Steering Group - Monday 220620...	2008/400	48	TGS Nopec Geophysica...	SOKKELDATA	KRK	19.06.2009	
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	Inn	J Rapportering av seismikk	2008/400	52	TGS Nopec Geophysica...	SOKKELDATA	KRK	15.07.2009	
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	Inn	J Tilbakemelding - Rapportering av seismikk	2008/400	54	Landmark Graphics AS	SOKKELDATA	KRK	15.07.2009	
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	Inn	J Innrapportering av seismikk til DISKOS-databasen	2008/400	56	TGS Nopec Geophysica...	SOKKELDATA	KRK	14.08.2009	
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	Inn	J Ber om OD møte vedr rapportering av seismikk Disko...	2008/400	57	TGS Nopec Geophysica...	SOKKELDATA	KRK	14.08.2009	
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	Inn	J Mulige endringer i Standard Norges medlemsordning	2004/1108	11	Standard Norge	RESSURSREG-PROGNOSER	KRK	08.09.2009	
+ <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0	Inn	J Tilbakemelding vedr møte med OD ang rapportering a...	2008/400	62	TGS Nopec Geophysica...	SOKKELDATA	KRK	18.09.2009	

Ephorte: Standard search



ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - ePhorte® for Oljedirektoratet) - Windows Internet Explorer

http://ephorteod/ephorteweb/ Liv&Search

File Edit View Favorites Tools Help

★ Favorites Welcome to Autoridade Naci... Caribbean Fact Sheet M Customize Links desktop EyeForEnergy Newsletter M Free Hotmail RRC Electronic Compliance ... M Windows Windows Marketplace

ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - ...

ePhorte Logg på Logg av Ny saksmappe Standard søk Send lenke Alternativer

Du er her: Sø

Søk nå Søk antall Flere valg Blank Maksimum antall poster 100

Søk etter Journalposter

Fyll ut et eller flere av feltene

Saksnr
Dokumentnr
Innhold
Saksbehandler
Dokumentdato

- Felles søk
- Til fordeling i mine lag
- Under arbeid (1)
- Under arbeid i mine lag
- Bidragster
- Kopier av sendte brev
- Utsjekkede dokumenter
- Emnesøk
- Postliste siste uke
- Siste saker
- Siste journalposter

Search for what.....



ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - ePhorte® for Oljedirektoratet) - Windows Internet Explorer

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Windows Marketplace

ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - ...)

Logg på Logg av Ny saksmappe Standard søk Send lenke Alternativer

Du er her: Sø

Søk nå Søk antall Flere valg Blank Maksimum antall poster 100

Søk etter Journalposter
Dokumenter
Fritekstsøk
Journalposter
Merknader
Saksnr Saksmapper
Saksmapper/journalposter

Dokumentnr
Innhold
Saksbehandler
Dokumentdato

Felles søk

- Til fordeling i mine lag
- Under arbeid (1)
- Under arbeid i mine lag
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- Utsjekkede dokumenter
- Emnesøk
- Postliste siste uke
- Siste saker
- Siste journalposter



Ephorte: Advanced search

ePhorte (Kjell-Reidar Knudsen - Leder SOKELldata - ePhorte® for Oljedirektoratet) - Windows Internet Explorer

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Logg på Logg av Ny saksmappe Avansert søk Send lenke Alternativer

Du er her: Avansert søk

Søk nå Søk antall Flere valg Blank Maksimum antall poster 100

Søk etter Journalposter

Fyll ut et eller flere av feltene

Saksnr	
Dokumentnr	
Innhold	
Avsender/Mottaker	
Dokumenttype	
Dokumentdato	
Journaldato	
Adm.enhet	
Har restanse	
Saksbehandler	
Dokumentkategori	
Forfallsdato	

Thematic/Topic search in NPD Document Management System



ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - ePhorte® for Oljedirektoratet) - Windows Internet Explorer

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Internet Archive Welcome to Autoridade Naci... Caribbean Fact Sheet Customize Links desktop EyeForEnergy

Internet Archive ePhorte (Kjell-Reidar Knu... x

ePhorte

Logg på Logg av Ny saksmappe Avansert søk Send lenke

Felles søk

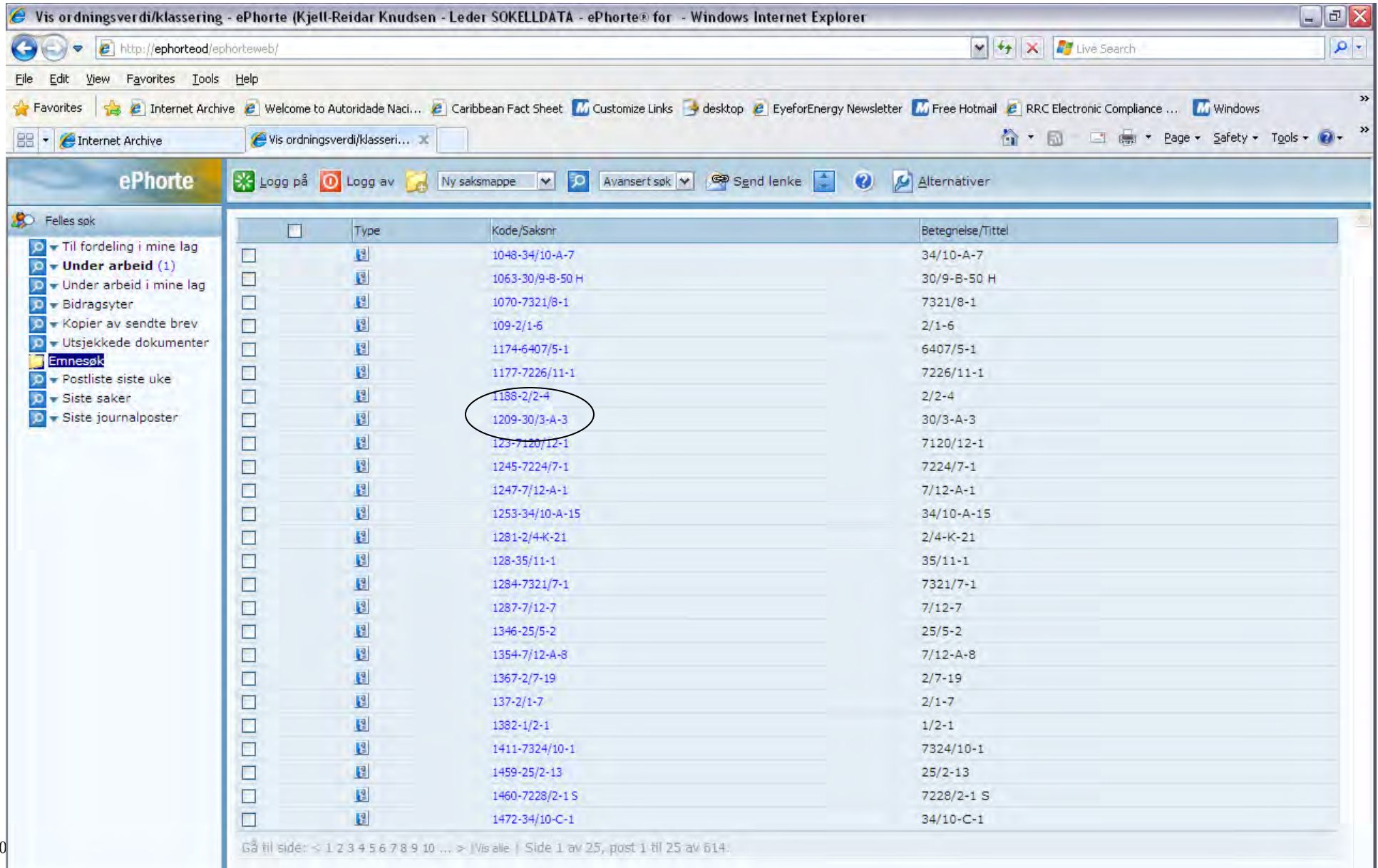
Du er her: Emnesøk | Søkeresultat (10 poster)

<input type="checkbox"/>	Ord, prins	Ledetekst
<input type="checkbox"/>	AKTØR	Aktor
<input type="checkbox"/>	BRØNN	Brønn navn
<input type="checkbox"/>	FASTE INNØR	Faste innretninger
<input type="checkbox"/>	FELTNAVØ	Felt
<input type="checkbox"/>	FLYTTBARE	Flyttbare
<input type="checkbox"/>	LANDANLEGG	landanlegg
<input type="checkbox"/>	ODNØKKEØ	OD Arkivnøkkel
<input type="checkbox"/>	PUD/PAD	PUD/PAD
<input type="checkbox"/>	TRANSPORTS	Transportsystem
<input type="checkbox"/>	UTV, TILLAT	Utvinningstillatelse

Topics

- Actor
- Well
- Fixed facilities
- Field name
- Moveable facilities
- Land terminals
- NPD key
- PDO-name
- Transport
- Prod.Licence

Thematic search on wells



Vis ordningsverdi/klassering - ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - ePhorte® for - Windows Internet Explorer)

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Internet Archive Welcome to Autoridade Naci... Caribbean Fact Sheet Customize Links desktop EyeforEnergy Newsletter Free Hotmail RRC Electronic Compliance ... Windows

Internet Archive Vis ordningsverdi/klasseri... x

ePhorte Logg på Logg av Ny saksmappe Avansert søk Send lenke Alternativer

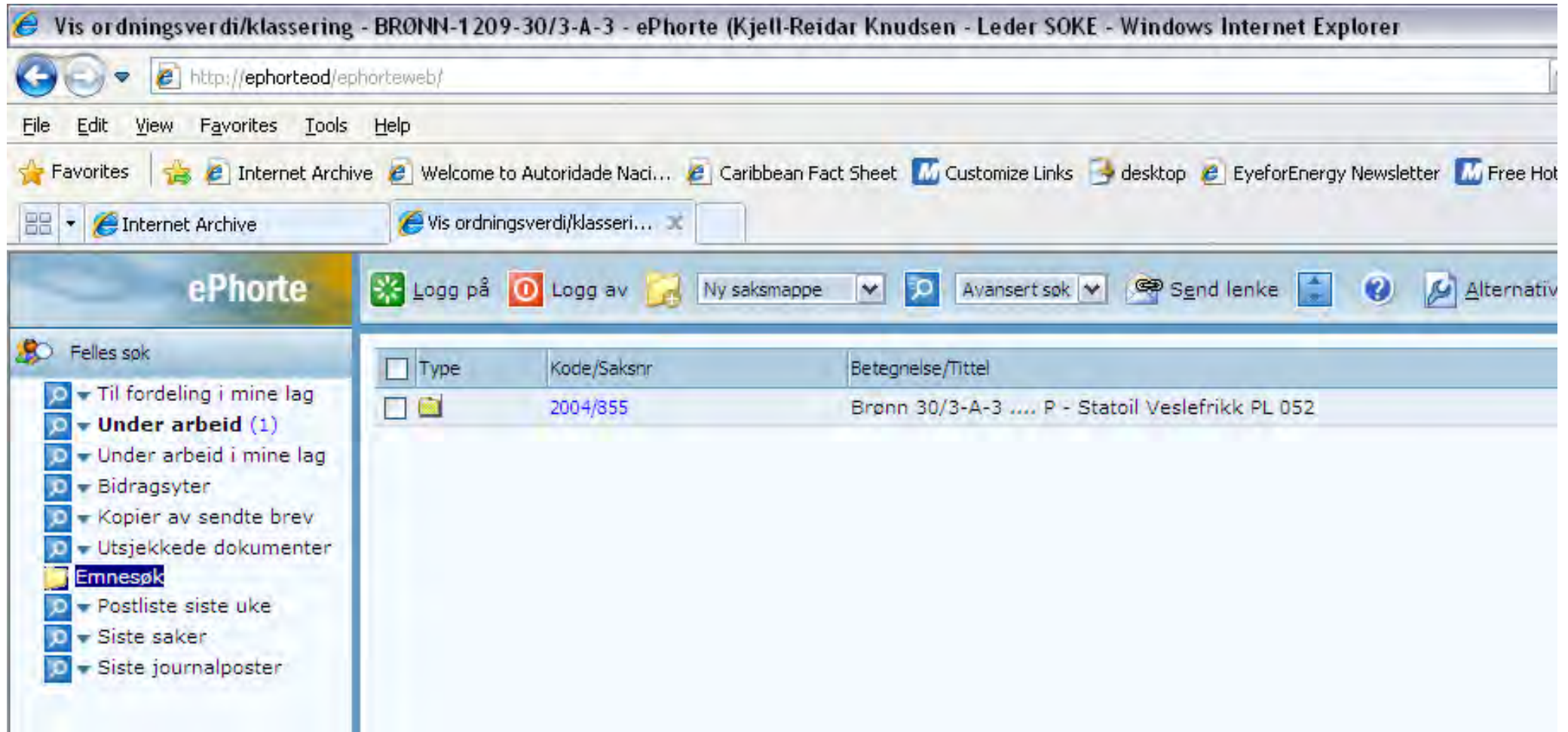
Felles søk

- Til fordeling i mine lag
- Under arbeid (1)
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- Bidragstyter
- Kopier av sendte brev
- Utsjekkede dokumenter
- Ernesøk
- Postliste siste uke
- Siste saker
- Siste journalposter

<input type="checkbox"/>	Type	Kode/Saksnr	Betegnelse/Tittel
<input type="checkbox"/>		1048-34/10-A-7	34/10-A-7
<input type="checkbox"/>		1063-30/9-B-50 H	30/9-B-50 H
<input type="checkbox"/>		1070-7321/8-1	7321/8-1
<input type="checkbox"/>		109-2/1-6	2/1-6
<input type="checkbox"/>		1174-6407/5-1	6407/5-1
<input type="checkbox"/>		1177-7226/11-1	7226/11-1
<input type="checkbox"/>		1188-2/2-4	2/2-4
<input type="checkbox"/>		1209-30/3-A-3	30/3-A-3
<input type="checkbox"/>		123-7120/12-1	7120/12-1
<input type="checkbox"/>		1245-7224/7-1	7224/7-1
<input type="checkbox"/>		1247-7/12-A-1	7/12-A-1
<input type="checkbox"/>		1253-34/10-A-15	34/10-A-15
<input type="checkbox"/>		1281-2/4-K-21	2/4-K-21
<input type="checkbox"/>		128-35/11-1	35/11-1
<input type="checkbox"/>		1284-7321/7-1	7321/7-1
<input type="checkbox"/>		1287-7/12-7	7/12-7
<input type="checkbox"/>		1346-25/5-2	25/5-2
<input type="checkbox"/>		1354-7/12-A-8	7/12-A-8
<input type="checkbox"/>		1367-2/7-19	2/7-19
<input type="checkbox"/>		137-2/1-7	2/1-7
<input type="checkbox"/>		1382-1/2-1	1/2-1
<input type="checkbox"/>		1411-7324/10-1	7324/10-1
<input type="checkbox"/>		1459-25/2-13	25/2-13
<input type="checkbox"/>		1460-7228/2-1 S	7228/2-1 S
<input type="checkbox"/>		1472-34/10-C-1	34/10-C-1

Gå til side: < 1 2 3 4 5 6 7 8 9 10 ... > | Vis alle | Side 1 av 25, post 1 til 25 av 614.

Tematic /Topic search



Vis ordningsverdi/klassering - BRØNN-1209-30/3-A-3 - ePhorte (Kjell-Reidar Knudsen - Leder SOKE - Windows Internet Explorer)

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Internet Archive Welcome to Autoridade Naci... Caribbean Fact Sheet Customize Links desktop EyeforEnergy Newsletter Free Hot

Internet Archive Vis ordningsverdi/klasseri...

ePhorte Logg på Logg av Ny saksmappe Avansert søk Send lenke Alternativ

Felles søk

- Til fordeling i mine lag
- Under arbeid (1)**
- Under arbeid i mine lag
- Bidragster
- Kopier av sendte brev
- Utsjekkede dokumenter
- Emnesøk**
- Postliste siste uke
- Siste saker
- Siste journalposter

<input type="checkbox"/>	Type	Kode/Saksnr	Betegnelse/Tittel
<input type="checkbox"/>		2004/855	Brønn 30/3-A-3 P - Statoil Veslefrikk PL 052

Thematic /Topic search



Vis sak - 855 - ePhorte (Kjell-Reidar Knudsen - Leder SOKELldata - ePhorte® for Oljedirektoratet) - Windows Internet Explorer

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Internet Archive Welcome to Autoridade Naci... Caribbean Fact Sheet Customize Links desktop EyeforEnergy Newsletter Free Hotmail RRC Electronic Compliance ... Windows

Internet Archive Vis sak - 855 - ePhorte (K... x

ePhorte

Logg på Logg av Ny saksmappe Avansert søk Send lenke Alternativer

Felles søk

- Til fordeling i mine lag
- Under arbeid (1)**
- Under arbeid i mine lag
- Bidragstyper
- Kopier av sendte brev
- Utsjekkede dokumenter
- Emnesøk**
- Postliste siste uke
- Siste saker
- Siste journalposter

Du er her: Brønn 30/3-A-3

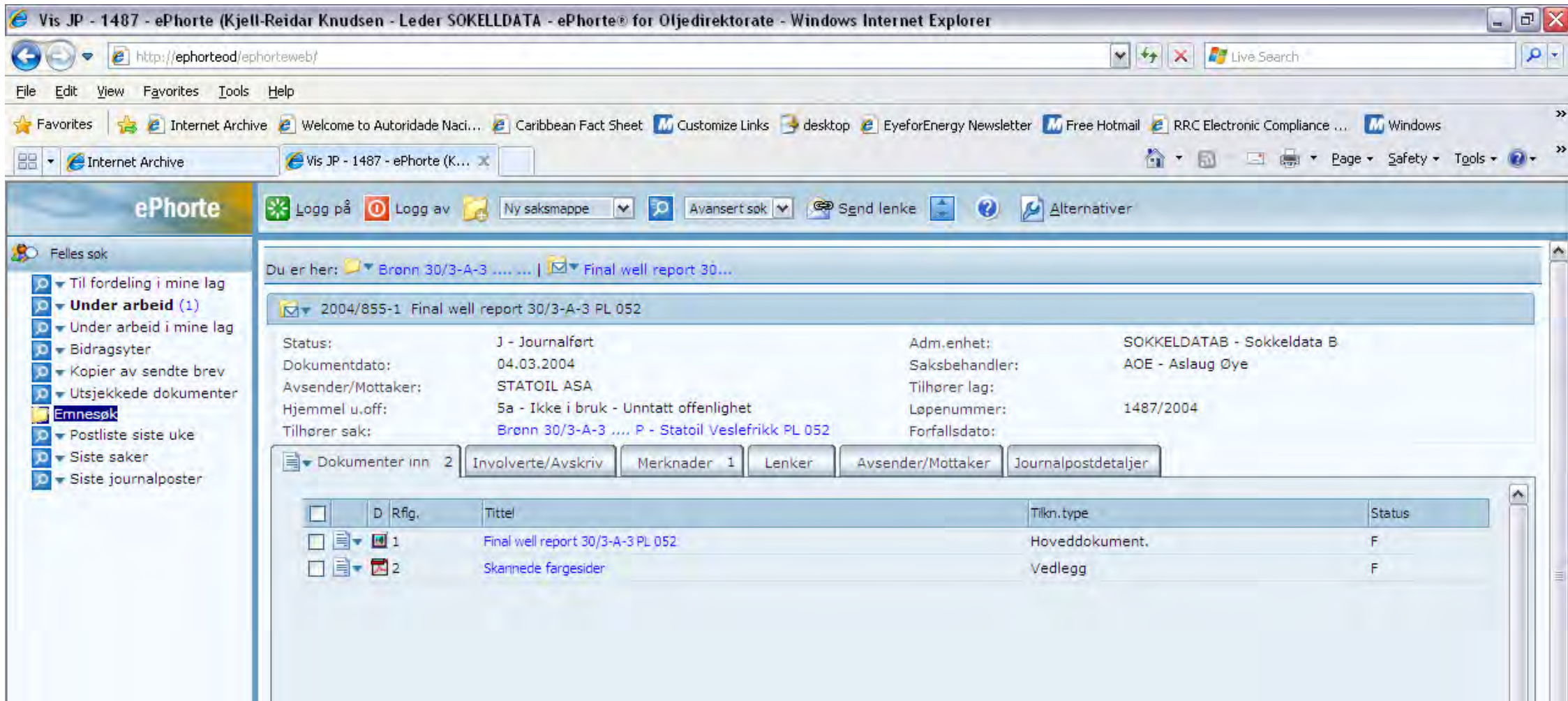
2004/855 Brønn 30/3-A-3 P - Statoil Veslefrikk PL 052

Journalposter 1 Merknader/Lenker Emne Saksdetaljer

Journalposter

	Nr	D	V	Rest	Type	Svar nr	Svar på nr	Innhold	Avs/Mot	Adm enhet	Initialer	Dok.dato	Forfallsdato
<input type="checkbox"/>	1	1			Inn			Final well report 30/3-A-3 PL 052	STATOIL ASA	SOKKELDA...	AOE	04.03.2004	

The result: The documents



Vis JP - 1487 - ePhorte (Kjell-Reidar Knudsen - Leder SOKELldata - ePhorte® for Oljedirektorate - Windows Internet Explorer)

http://ephorteod/ephorteweb/

File Edit View Favorites Tools Help

Internet Archive Welcome to Autoridade Naci... Caribbean Fact Sheet Customize Links desktop EyeForEnergy Newsletter Free Hotmail RRC Electronic Compliance ... Windows

Internet Archive Vis JP - 1487 - ePhorte (K... x

ePhorte

Logg på Logg av Ny saksmappe Avansert søk Send lenke Alternativer

Felles søk

- Til fordeling i mine lag
- Under arbeid (1)**
- Under arbeid i mine lag
- Bidragstyper
- Kopier av sendte brev
- Utsjekkede dokumenter
- Emnesøk**
- Postliste siste uke
- Siste saker
- Siste journalposter

Du er her: Brønn 30/3-A-3 ... | Final well report 30...

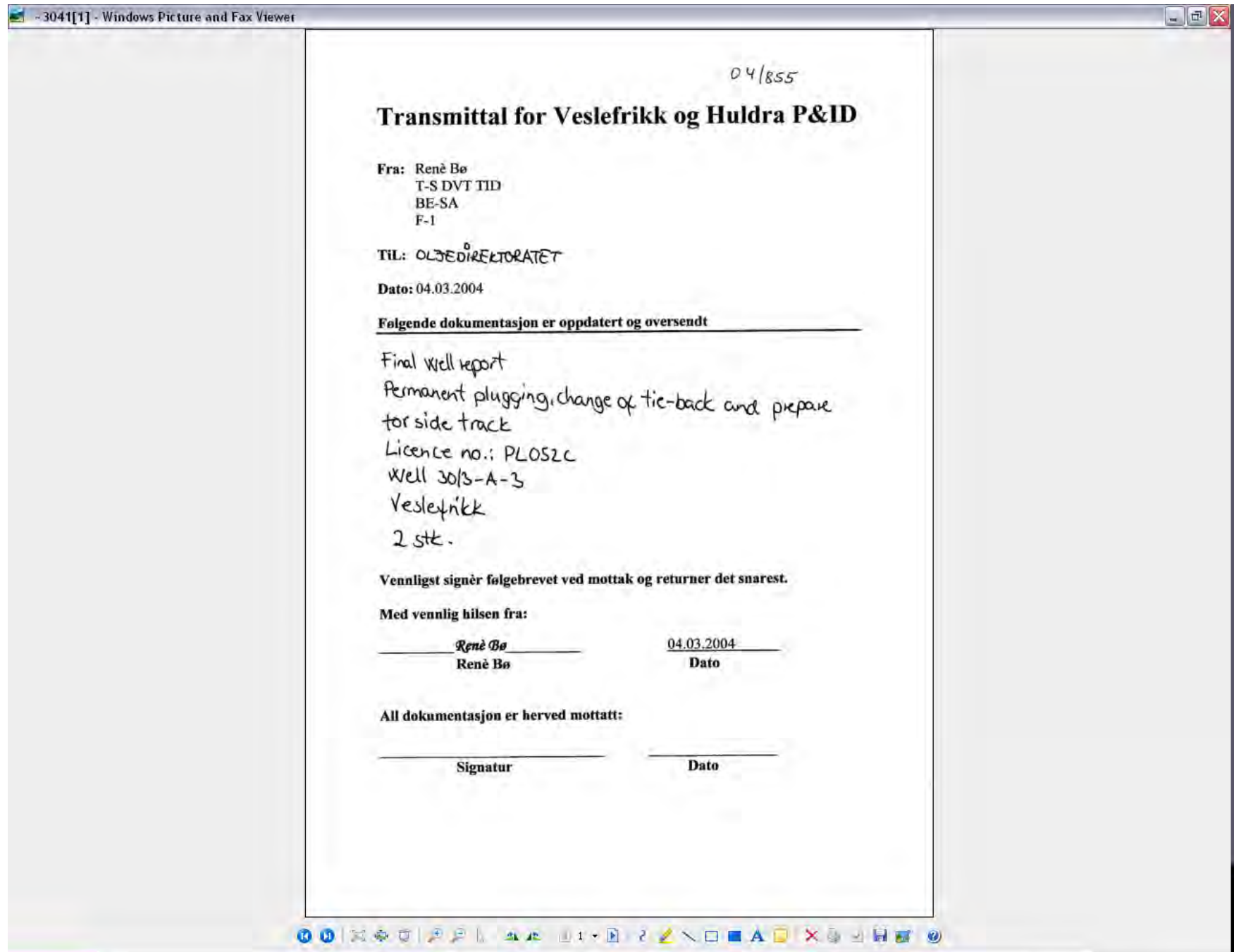
2004/855-1 Final well report 30/3-A-3 PL 052

Status: J - Journalført Adm.enhet: SOKKELDATAB - Sokkeldata B
 Dokumentdato: 04.03.2004 Saksbehandler: AOE - Aslaug Øye
 Avsender/Mottaker: STATOIL ASA Tilhører lag:
 Hjemmel u.off: 5a - Ikke i bruk - Unntatt offentlighet Løpnummer: 1487/2004
 Tilhører sak: Brønn 30/3-A-3 P - Statoil Veslefrikk PL 052 Forfallsdato:

Dokumenter inn 2 Involverte/Avskriv Merknader 1 Lenker Avsender/Mottaker Journalpostdetaljer

	D	Rfig.	Tittel	Tilkn.type	Status
<input type="checkbox"/>		1	Final well report 30/3-A-3 PL 052	Hoveddokument.	F
<input type="checkbox"/>		2	Skannede fargesider	Vedlegg	F

Transmittel letter



Document itself

09/855

 STATOIL

Final Well Report

Permanent plugging, change of tie-back and
prepare for side track

Licence no : PL052C



Well 30/3-A-3

Veslefrikk



Document category

ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA)

ePhorte  Søk  Avbryt

[-] Søkekriterier

Kode: Betegnelse

[-] Resultater

Kode	Betegnelse
B	Brev
BSA	Melding
BSB	Enkle tiltak
BSC	Søknad et trinn
BSD1	Rammetillatelse
BSD2	Igangsettingstillatelse
BSE	Eiendomsdeling
BSF	Klage
BSI	Brukstillatelse
BSK	Forhåndskonferanse
BSM	Ferdigattest
BSZ	Fritatt fra søkeplikt
N	Notat
ND	Noarkdokument
RP	Rapport
RS	Rundskriv
U	Utvalgsdokument

Document Type



The screenshot shows the ePhorte web application interface. The title bar reads "ePhorte (Kjell-Reidar Knudsen - Leder SOKELLDATA - e)". The main header contains the "ePhorte" logo, a search icon, and buttons for "Søk" and "Avbryt". Below the header, there is a section for search criteria ("Søkekriterier") with a "Dokumenttype:" label and an empty input field. A "Resultater" section is expanded, displaying a table of document types.

Type	Betegnelse
I	Inn
N	Internt notat
S	Saksframlegg/innstilling
U	Ut
X	Internt
Y	Dokumentpost i saksmappe
Z	Dokumentpost i mappe

Standards used

- ◆ Old journal (document center)
 - ◆ NOARK-standard
- ◆ New Document Management System (DMS)
 - ◆ NOARK, partly based on ISO

Retrieval methods used from outside

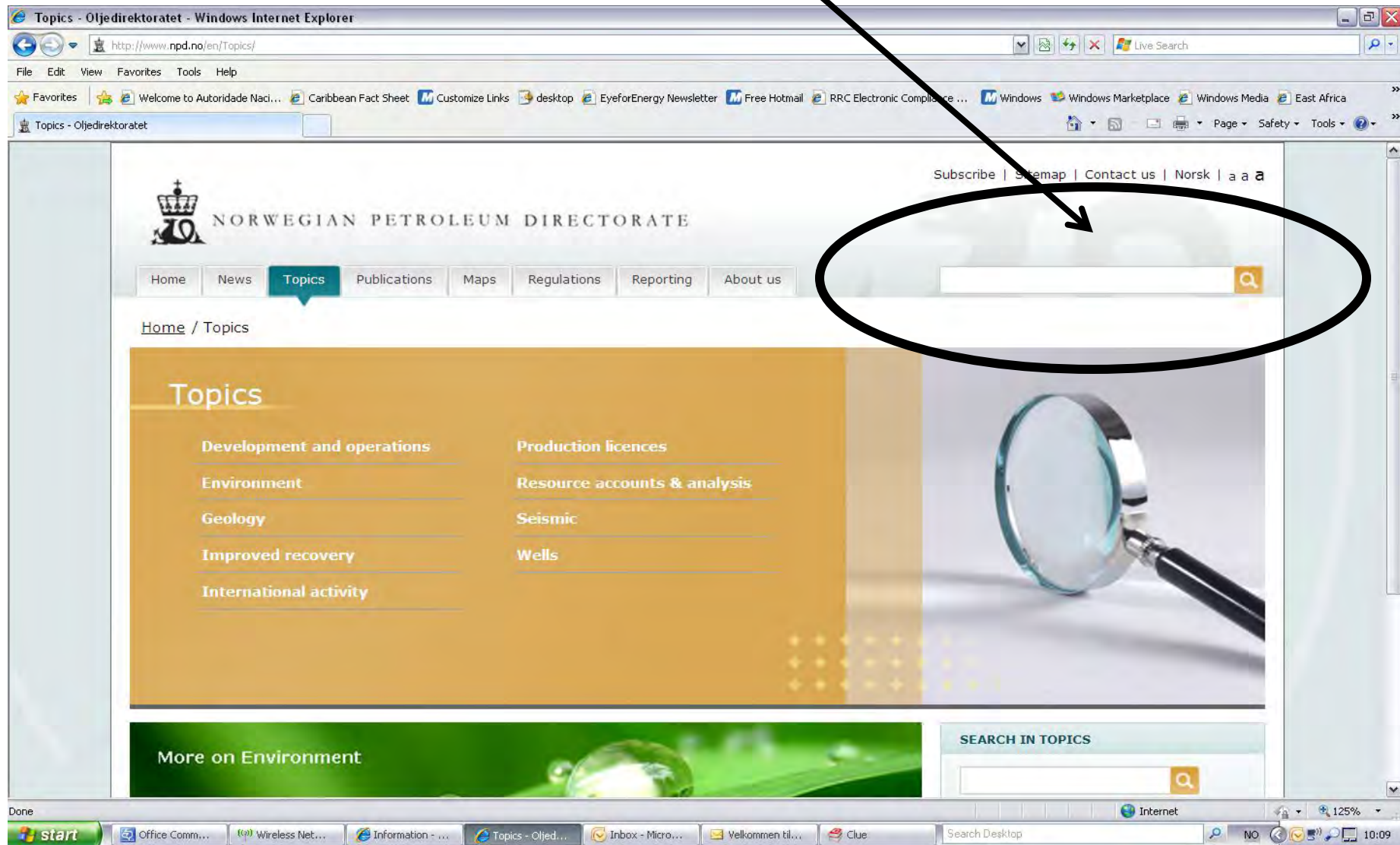
◆ Web site

- ◆ Text search (content in articles, pdf reports etc)
- ◆ Index attribute search (letters in & out(public journal))
- ◆ Structured databases (NPD Fact Pages)

◆ Portals

- ◆ Map interface (Georeferenced data)
- ◆ Text based
- ◆ Mix

NPD Website Free text search



The screenshot shows the NPD website in a Windows Internet Explorer browser window. The address bar displays <http://www.npd.no/en/Topics/>. The website header includes the NPD logo and the text "NORWEGIAN PETROLEUM DIRECTORATE". A navigation menu contains links for Home, News, Topics, Publications, Maps, Regulations, Reporting, and About us. The "Topics" link is currently selected. In the top right corner, there are links for "Subscribe", "Sitemap", "Contact us", and "Norsk", along with font size controls. A search bar is located in the top right area, highlighted with a black circle and an arrow pointing to it from the main title above. Below the navigation menu, the breadcrumb "Home / Topics" is visible. The main content area is titled "Topics" and features a list of categories: Development and operations, Environment, Geology, Improved recovery, International activity, Production licences, Resource accounts & analysis, Seismic, and Wells. To the right of this list is a large image of a magnifying glass. At the bottom of the page, there is a "More on Environment" section and a "SEARCH IN TOPICS" search bar.

NPD Website subjects/topics



A screenshot of the NPD website's 'Topics' page, viewed in a Windows Internet Explorer browser. The browser's address bar shows 'http://www.npd.no/en/Topics/'. The website header includes the NPD logo and the text 'NORWEGIAN PETROLEUM DIRECTORATE'. A navigation menu contains links for 'Home', 'News', 'Topics', 'Publications', 'Maps', 'Regulations', 'Reporting', and 'About us'. The 'Topics' page features a large orange banner with the word 'Topics' and a list of subject areas: 'Development and operations', 'Environment', 'Geology', 'Improved recovery', 'International activity', 'Production licences', 'Resource accounts & analysis', 'Seismic', and 'Wells'. To the right of the list is a magnifying glass image. Below the banner is a green section titled 'More on Environment' and a search box labeled 'SEARCH IN TOPICS'. The Windows taskbar at the bottom shows several open applications and the system clock at 10:09.

NPD Website subject/topic: Development & operations



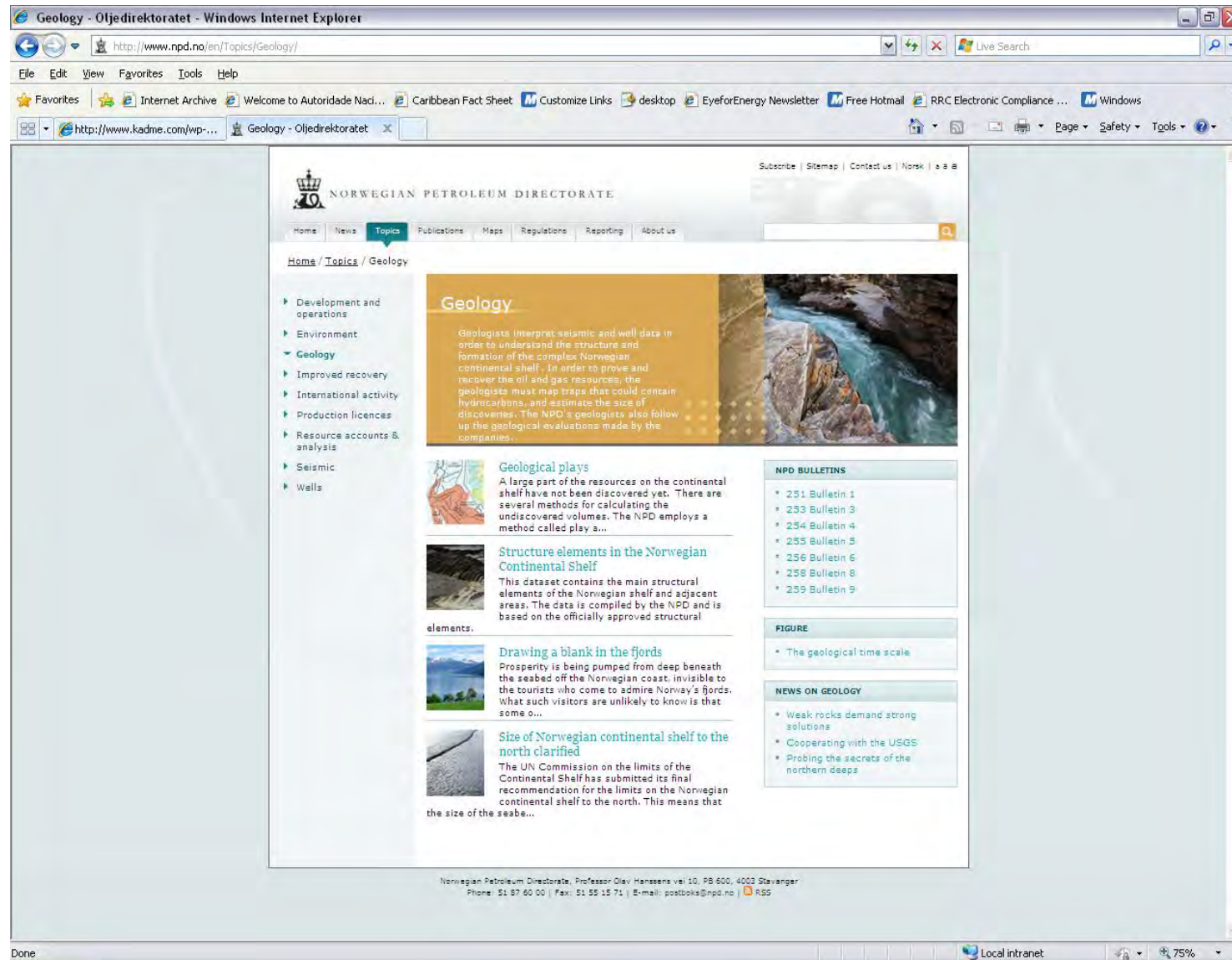
The screenshot shows a Windows Internet Explorer browser window displaying the NPD website. The address bar shows the URL: <http://www.npd.no/en/Topics/Development-and-operations/>. The website header includes the NPD logo and navigation links: Home, News, Topics, Publications, Maps, Regulations, Reporting, About Us. The main content area is titled "Development and operations" and features a large orange banner with the text: "The Norwegian Petroleum Directorate (NPD) helps ensure that relevant solutions are studied, and that sufficient consideration is given to future resource potential in connection with new developments and modifications. The NPD is also a driving force for efficient operation of the fields, and takes an active, high-profile role in prioritised production licences." Below the banner are three news items: "The first oil from the Barents Sea", "Taking its time", and "MONTHLY PRODUCTION FIGURES". The "MONTHLY PRODUCTION FIGURES" section lists: July 2009, June 2009, and May 2009. The "REPORTING" section lists: TPA and Production. The "NEWS ON DEVELOPMENT AND OPERATIONS" section lists: The shelf in 2008 - Petroleum production, The shelf in 2008 - Developments, and IEA (International Energy Agency) releases its annual perspective survey, World Energy Outlook 2008. The footer contains contact information for the Norwegian Petroleum Directorate.

NPD Website subject/topic: Environment



The screenshot shows the NPD website's 'Environment' page. The browser window title is 'Environment - Oljedirektoratet - Windows Internet Explorer'. The address bar shows the URL 'http://www.npd.no/en/Topics/Environment/'. The website header includes the NPD logo and the text 'NORWEGIAN PETROLEUM DIRECTORATE'. A navigation menu is visible with options like Home, News, Topics, Publications, Maps, Regulations, Reporting, and About Us. The main content area features a large banner with the heading 'Environment' and a sub-heading 'The Norwegian Petroleum Directorate (NPD) shall contribute to creating the greatest possible values for the Norwegian society through prudent management of the oil and gas resources...'. Below this, there are three news items: 'Securing the marine environment for the future', 'Significant gas resources go up in smoke', and 'Contributing facts to the Climate Cure'. A sidebar on the left lists various topics such as Development and operations, Environment, Geology, Improved recovery, International activity, Production licences, Resource accounts & analysis, Seismic, and Wells. On the right, there are sections for 'NEWS ON ENVIRONMENT' and 'REPORTS'. The footer contains contact information for the Norwegian Petroleum Directorate, including the address, phone, fax, and email.

NPD Website subject/topic: Geology



The screenshot shows a Windows Internet Explorer browser window displaying the Norwegian Petroleum Directorate (NPD) website. The address bar shows the URL <http://www.npd.no/en/Topics/Geology/>. The website header includes the NPD logo and navigation links for Home, News, Topics, Publications, Maps, Regulations, Reporting, and About Us. The main content area is titled "Geology" and features a large introductory text block, a sidebar with a list of topics, and several featured articles with images and brief descriptions. The sidebar lists topics such as Development and operations, Environment, Geology, Improved recovery, International activity, Production licences, Resource accounts & analysts, Seismic, and Wells. The featured articles include "Geological plays", "Structure elements in the Norwegian Continental Shelf", "Drawing a blank in the fjords", and "Size of Norwegian continental shelf to the north clarified". A "NPD BULLETINS" section lists various bulletin numbers, and a "NEWS ON GEOLOGY" section lists recent news items. The footer of the website provides contact information for the Norwegian Petroleum Directorate, including the address, phone number, fax number, and email address.

NPD Website subject/topic: Improved Recovery



Improved recovery - Oljedirektoratet - Windows Internet Explorer

http://www.npd.no/en/Topics/Improved-Recovery/

NORWEGIAN PETROLEUM DIRECTORATE

Home / News / Topics / Publications / Maps / Regulations / Reporting / About Us

Home / Topics / Improved recovery

- Development and operations
- Environment
- Geology
- Improved recovery**
- International activity
- Production licences
- Resource accounts & analysis
- Seismic
- Wells

Improved recovery

According to current production plans, more than half of the proven resources in Norwegian fields will be left behind when production ends. One of the Norwegian Petroleum Directorate's primary tasks is to contribute to improved recovery from producing fields. Improving recovery by even just a few percentage points represents enormous values for the Norwegian society.

Long live chalk!

Research into the chalk reservoirs in the North Sea promises to extend the producing life not only of older Norwegian fields but also of discoveries in other parts of the world.

Why do we not recover 100 per cent of the oil?

To ensure a high recovery factor, good utilisation of the resources and value creation from the fields, access to appropriate technology, sufficiently qualified personnel and ability to take decisions are essential.

Well-filled toolbox for improved oil recovery

Ways of improving recovery from Norwegian fields are many and varied – just like the reservoirs involved. These methods include water, gas, water combined with gas, foam plus water and gas, chemicals...

COLLABORATION PROJECT

- FORCE

NEWS ON IMPROVED RECOVERY

- The NPD will not award its IOR Prize for Improved oil recovery for 2008
- Candidates for the 2008 IOR award
- More focus on improved oil recovery

Norwegian Petroleum Directorate, Professor Olav Hanssens vei 10, PB 600, 4003 Stavanger
Phone: 51 87 60 00 | Fax: 51 55 15 71 | E-mail: postboks@npd.no | RSS

Done Local intranet 75%

NPD Website subject/topic: International Activities



The screenshot shows a Windows Internet Explorer browser window displaying the Norwegian Petroleum Directorate (NPD) website. The address bar shows the URL <http://www.npd.no/en/Topics/International-activity/>. The website header includes the NPD logo and navigation links: Home, News, Topics, Publications, Maps, Regulations, Reporting, and About Us. The main content area is titled 'International activity' and features a large image of a man with glasses. Below the main image, there are three sections: 'Building a nation from the ground up' (Timor-Leste), 'Contributing to increased knowledge for other countries', and 'REPORTS'. The 'REPORTS' section lists several reports from 2005 to 2008. The 'NEWS ON INTERNATIONAL ACTIVITY' section lists three news items: 'Signing of Russo-Norwegian cooperation agreement', 'Assistance with learning', and 'Cooperating with the USGS'. The footer of the website provides contact information for the Norwegian Petroleum Directorate, including the address, phone number, fax number, and email address.

INTERNATIONAL ACTIVITY

The Norwegian Petroleum Directorate's international activity is three-fold. The first part deals with handling relationships with other nations that border on areas where Norway has its oil and gas reserves. The second part is cooperation with the Ministry of Petroleum and Energy and the Ministry of Foreign Affairs. The third part is assisting other nations by providing expertise in petroleum activities and resource.

Building a nation from the ground up
Timor-Leste is a young nation facing great challenges. But the national authorities have built up a system of oil and gas management which is winning international acclaim.

Contributing to increased knowledge for other countries
The Norwegian Petroleum Directorate (NPD) has an extensive international involvement, ranging from the management of oil and gas resources to development aid.

REPORTS

- Oil for development 2008
- Final Report - cooperation project Timor-Leste
- Oil for development 2007
- Oil For Development 2006
- Oil for development 2005

NEWS ON INTERNATIONAL ACTIVITY

- Signing of Russo-Norwegian cooperation agreement
- Assistance with learning
- Cooperating with the USGS

Norwegian Petroleum Directorate, Professor Olav Hanssens vei 10, PB 600, 4003 Stavanger
Phone: 51 87 60 00 | Fax: 51 55 15 71 | E-mail: postboks@npd.no | RSS

NPD Website subject/topic: Production Licenses



The screenshot shows a Windows Internet Explorer browser window displaying the NPD website. The address bar shows the URL <http://www.npd.no/en/Topics/Production-licenses/>. The website header includes the NPD logo and the text "NORWEGIAN PETROLEUM DIRECTORATE". A navigation menu contains links for Home, News, Topics, Publications, Maps, Regulations, Reporting, and About Us. The main content area is titled "Production licences" and features a large introductory text block and three smaller article snippets. The introductory text states: "The first licensing round on the Norwegian continental shelf was announced in 1965. In 2009, production licences were awarded in the 20th licensing round. Since 2000, additional production licences have been assigned each year in the awards in predefined areas (APA) in the mature parts of the shelf where the geology is familiar and the infrastructure is well-developed." The three article snippets are: "Licensing rounds on the Norwegian Continental Shelf", "Pre-qualification", and "Production licence – licence to explore, discover and produce". A "NEWS ON PRODUCTION LICENCES" box on the right lists: "Interest in APA remains high", "Awards in the 20th round", and "APA 2009 - announcement". The footer contains contact information for the Norwegian Petroleum Directorate.

Production licences - Otjedirektoratet - Windows Internet Explorer

<http://www.npd.no/en/Topics/Production-licenses/>

File Edit View Favorites Tools Help

Internet Archive Welcome to Autoridade Naci... Caribbean Fact Sheet Customize Links desktop EyeForEnergy Newsletter Free Hotmail RRC Electronic Compliance ... Windows

<http://www.kadme.com/wp-...> Production licences - Otje... X

Subscribe | Sitemap | Contact us | Norsk | x a B

NORWEGIAN PETROLEUM DIRECTORATE

Home | News | Topics | Publications | Maps | Regulations | Reporting | About Us

Home / Topics / Production licences

Production licences

The first licensing round on the Norwegian continental shelf was announced in 1965. In 2009, production licences were awarded in the 20th licensing round. Since 2000, additional production licences have been assigned each year in the awards in predefined areas (APA) in the mature parts of the shelf where the geology is familiar and the infrastructure is well-developed.

Licensing rounds on the Norwegian Continental Shelf

There are two systems for awarding licenses on the Norwegian continental shelf.

Pre-qualification

Here you will find information about pre-qualification of players on the Norwegian continental shelf.

Production licence – licence to explore, discover and produce

The seabed off the Norwegian coast still hides significant volumes of oil and gas, and many companies want in on the feast. The production licence is their admission ticket.

NEWS ON PRODUCTION LICENCES

- Interest in APA remains high
- Awards in the 20th round
- APA 2009 - announcement

Norwegian Petroleum Directorate, Professor Olav Hanssens vei 10, PB 600, 4003 Stavanger
Phone: 51 87 60 00 | Fax: 51 55 15 71 | E-mail: postboks@npd.no | RSS

Local intranet 75%

NPD Website subject/topic: Resource accounts & analysis



Resource accounts & analysis

The Norwegian Petroleum Directorate (NPD) has the overall national responsibility for data from the Norwegian continental shelf. This data, combined with the NPD's overviews and analyses, comprise the factual basis for the petroleum activities. The resource accounts are updated annually.

Resource accounts

The NPD updates the petroleum resource account annually. Accounts which show figures for individual fields and discoveries are available from 1997.

Keeping track of the resources

One of the Norwegian Petroleum Directorate's (NPD's) most important tasks is to maintain an overview of all of the petroleum resources on the Norwegian continental shelf. The objective is to ensure...

NEWS ON RESOURCE ACCOUNTS & ANALYSIS

- Norwegian shelf, 2nd quarter 2009
- Norwegian shelf - 1st quarter 2009
- The shelf in 2008 - Resource accounts

RESOURCE ACCOUNTS

- 2008
- 2007
- 2006
- 2005
- 2004

Read more >

Norwegian Petroleum Directorate, Professor Olav Hanssens vei 10, PB 600, 4003 Stavanger
Phone: 51 87 60 00 | Fax: 51 55 15 71 | E-mail: postboks@npd.no | RSS

NPD Website subject/topic: Seismic



The screenshot shows the NPD website's 'Seismic' page. The browser window title is 'Seismic - Oljedirektoratet - Windows Internet Explorer'. The address bar shows 'http://www.npd.no/en/Topics/Seismic/'. The website header includes the NPD logo and navigation links: Home, News, Topics, Publications, Maps, Regulations, Reporting, About Us. The main content area features a large banner for 'Seismic' with a background image of an offshore oil rig. Below the banner, there are several articles and sections:

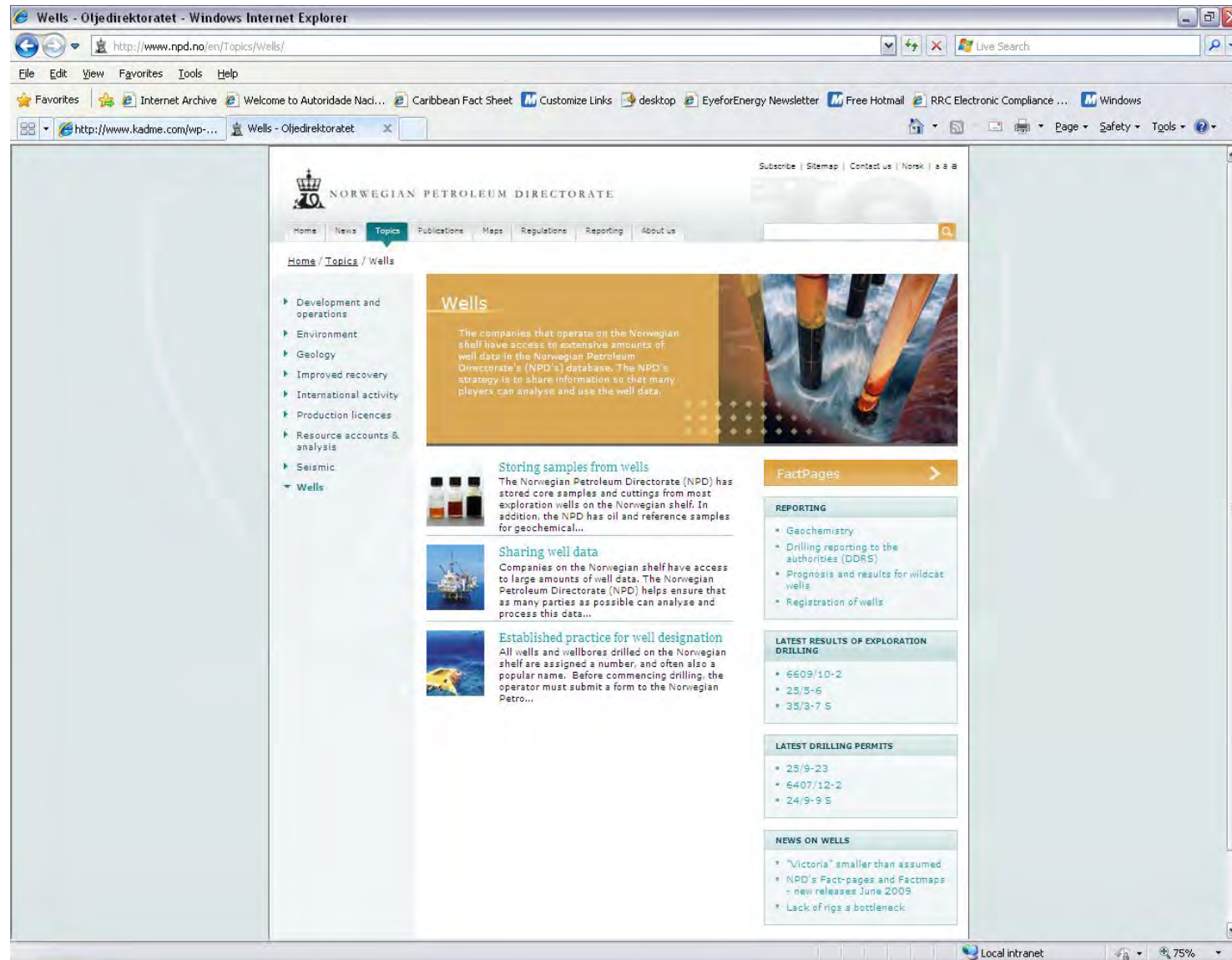
- Overview of seismic surveys on the Norwegian shelf**: The overview on the right shows all seismic surveys acquired on the Norwegian shelf, updated as of 10 March. It shows both surveys that have been released, and surveys that are scheduled for ...
- Several kinds of seismic data**: Both the Norwegian Petroleum Directorate (NPD) and commercial companies acquire seismic data on the Norwegian shelf. The seismic data is grouped according to who acquired it and what it will be use...
- NPD seismic data acquisition in the Norwegian Sea and the Barents Sea**: The price of the Norwegian Petroleum Directorate's (NPD's) seismic data sets for the Norwegian Sea and the Barents Sea is equivalent to the costs of administration.
- With an ear to the ground**: New seismic survey methods may increase the accuracy of exploration drilling and facilitate increased recovery from existing fields. However, considerable research and technological development will...

On the right side of the page, there are three sections:

- NEWS ON SEISMIC**:
 - Kurs for fiskerikyndige høsten 2009
 - Status for the research project on the consequences of scarce behaviour in fish
 - Seismikk i Nordland VII avsluttet
- REPORTING**:
 - Reporting of seismic acquisition
- USERGUIDE**:
 - How to use Factpages and Factmaps to see seismic acquisition
- REPORTS**:
 - Rapport om minsteavstand – seismikk
 - NPD study of seismic data from the northern North Sea
 - Research group presents report on seismic surveys
 - Working group proposes

The browser's status bar at the bottom shows 'Done', 'Local intranet', and a zoom level of 75%.

NPD Website subject/topic: Seismic



NPD Fact Pages (retrieval from structured E&P database)



Home - Oljedirektoratet - Windows Internet Explorer

http://www.npd.no/en/

File Edit View Favorites Tools Help

Home - Oljedirektoratet

NORWEGIAN PETROLEUM DIRECTORATE

Home News Topics Publications Maps Regulations Reporting About us

Preparing for opening around Jan Mayen

EXPLORATION DRILLING RESULTS

25.09.2009	6609/10-2
21.09.2009	25/5-6
18.09.2009	35/3-7 5

PRODUCTION FIGURES

11.09.2009	July 2009
14.08.2009	June 2009
08.07.2009	May 2009

DRILLING PERMITS

05.10.2009	34/4-11
29.09.2009	15/9-23
14.09.2009	6407/12-2

ONGOING SEISMIC

List
Map

"Victoria" smaller than assumed
17.09.2009 6506/6-1 (Victoria) in the Norwegian Sea contains less gas than previously assumed.

The Resource Report 2009
10.09.2009 Exploration activity has reached record-breaking levels in the last couple of years, which has led to many, but small, discoveries. The NPD believes that large discoveries can still be made in area...

More news

Active exploration wells

16/1-8 R
24/9-9 S
30/9-24
25/2-17
6306/6-2
6305/5-3 S
34/10-52 S

Overview - this year

Updated 07.10.2009

FactPages

FactMaps

WELCOME TO NEW WEBSITE

Norwegian Petroleum Directorate, Professor Olav Hanssens vei 10, PB 600, 4003 Stavanger
Phone: 51 87 60 00 | Fax: 51 55 15 71 | E-mail: postboks@npd.no | RSS

Done

start Office Comm... Internet... Inbox - Micro... NPD_metadata 2 Microsoft... Clue Tesaurus.pdf... Search Desktop NO 75% 15:27

New NPD Fact Pages



Home Link Norsk

Norwegian Petroleum Directorate - Fact pages

Company Wellbore Seismic

NPD fact pages - version 2 beta

Welcome to version 2 beta of the NPD's fact pages.

Enhancements

This version comprises the following enhancements compared to version 1:

- Simplified navigation
- Possible to link to any part of the website using parameters (details to come)
- Improved export/download functionality (Excel, CSV, XML)
- Bilingualism (Norwegian and English)
- Latest technology platforms for improved maintainability and extensibility

Content

- *Seismic* is only available here.
- The number of reports under *Well* and *Company* is still to be extended.
- See also [version 1](#) of the NPD's fact pages.

Browsers

- This version only fully supports Internet Explorer 6 and 7.
- If you are running Internet Explorer 8 please make sure *Compatibility View* is switched on.
- The number of supported browsers will be extended in later versions.

Your feedback

We would greatly appreciate your feedback. Please e-mail to factweb@npd.no

New NPD Fact Pages



Norwegian Petroleum Directorate - Fact pages

Norwegian Petroleum Directorate - Fact pages

Company Wellbore Seismic

Page view
 Planned
 Ongoing
 Pause
 Finished
 Table view
 All
 Coordinates

CE0901
 CE0902
 CP0902
 DN0912
 EM0109
 FMC0903
 MC2D-CR2009
 MNR09
 ST09323
 ST09456
 TGS0901
 WG0901

[Hide details](#) [Show details](#) [Map](#) [Feedback](#) [Export](#) [Print](#)

General Information

Survey name	ST09323
NPDID for survey	7134
Status	Pågående
Marked available	Ja
Purpose	Grunnundersøkelse
Main type	Grunnseismikk
Sub type	2D
Company - responsible	StatoilHydro ASA
Source type	Seismisk kilde
Number of sources	1
Source size	160 kubikk tommer / 2.6 liter
Source pressure	2000 psi
Sensor type	Kabler
Numbers of sensors	1
Sensor length [m]	1200
Start date - planned	20.08.2010

Information about.....

”Information carriers” in the NPD structured database



The NPD's Fact-pages

[Home](#) [Feedback](#)

Generated 29.09.2009

- [Production figures](#)
- [Companies](#)
- [Production licences](#)
- [Business areas](#)
- [Discoveries](#)
- [Fields](#)
- [Stratigraphic units](#)
- [Exploration wellbores](#)
- [Development wellbores](#)
- [Facilities](#)
- [Downloads](#)

The NPD's Fact-pages

This website contains information about production figures, production licences, business areas, exploration wellbores, development wellbores, discoveries, fields and companies on the Norwegian continental shelf organized in fact-pages. It also contains datafiles (csv-format) which can be downloaded and used in databases, spreadsheet applications or other applications.

[Go to the Factpages version 2](#)

If you have any comments, suggestions or questions about this website, please send a mail to fact-pages@npd.no.

News

24.7.2006

- Parts of NPDs FactMaps are now available on Google Earth. If you are using or are familiar with Google Earth, you can now get some of the information available at NPDs FactMaps on Google Earth. [Click here for more information...](#)

30.6.2006

- The NPDs FactMaps are now available as Web Map Services (WMS). You can now use NPDs FactMaps in your own GIS systems! [Click here for more information...](#)

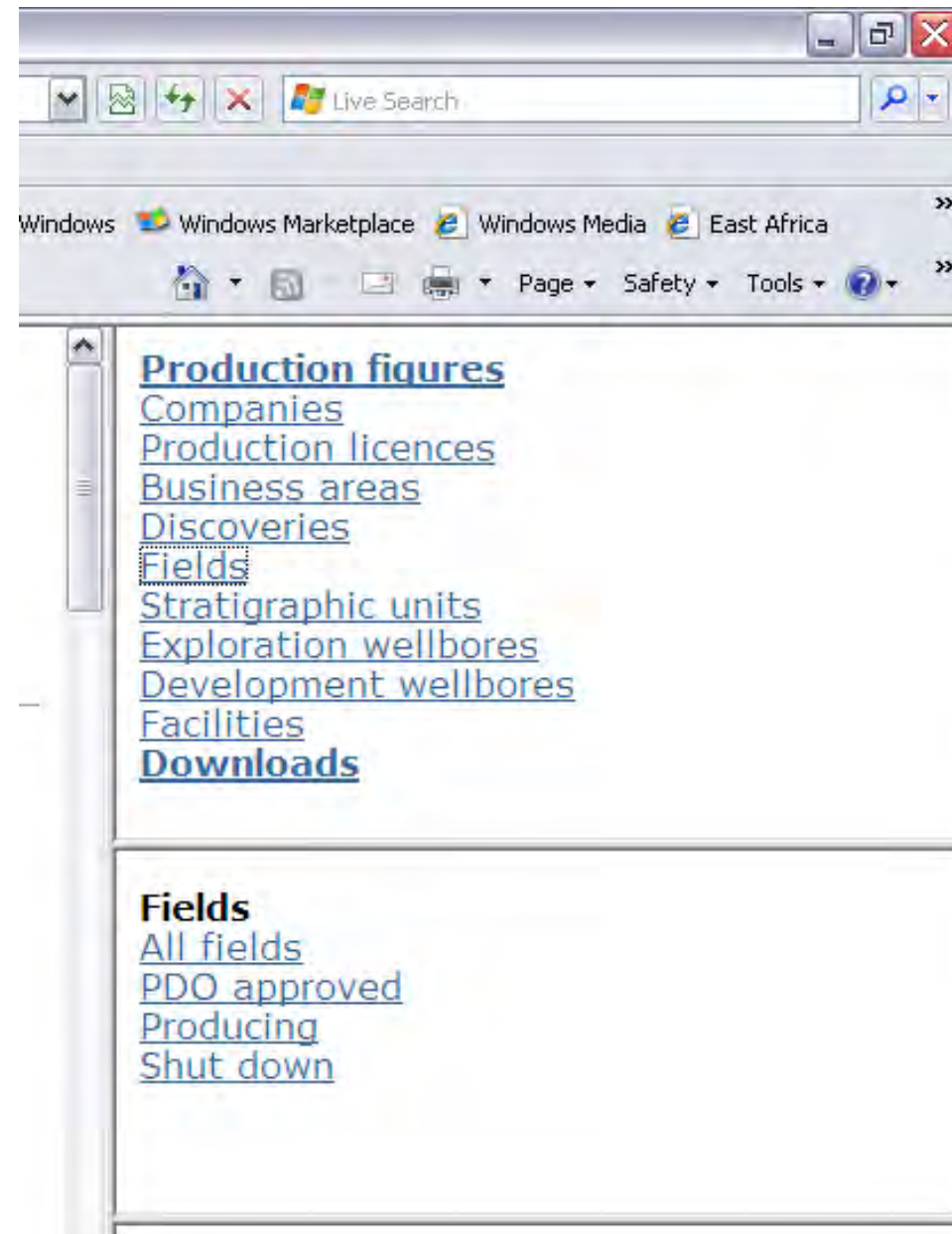
30.3.2005



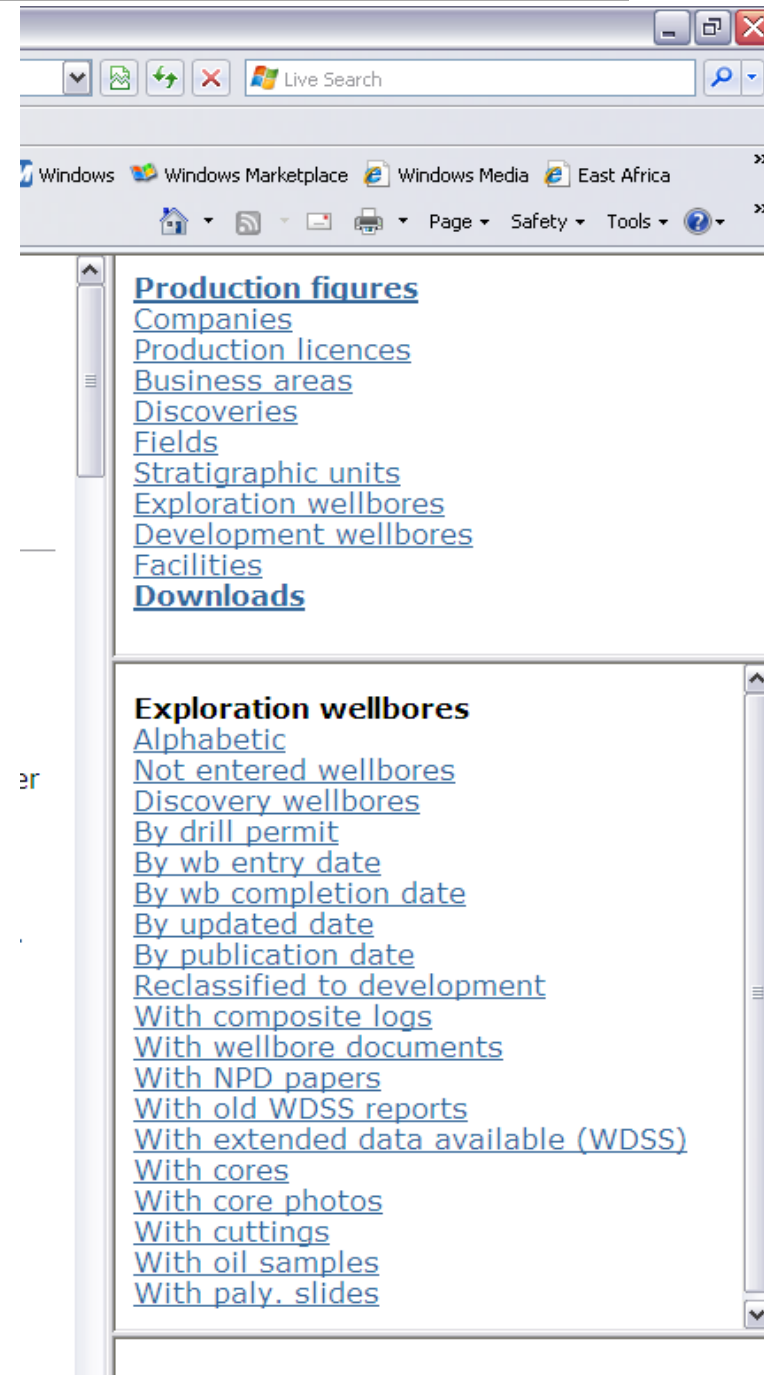
Categoriescompanies

A screenshot of a web browser window. The address bar shows 'Live Search'. The browser tabs include 'Windows', 'Windows Marketplace', 'Windows Media', and 'East Africa'. The main content area displays a navigation menu with the following items: **Production figures**, Companies, Production licences, Business areas, Discoveries, Fields, Stratigraphic units, Exploration wellbores, Development wellbores, Facilities, and **Downloads**. Below this menu, there is a section titled **Companies** with sub-links: All companies, Current PL operators, Current PL licensees, and Current BA partners.

Categoriesfields



Categorieswells



The screenshot shows a web browser window with a navigation menu. The menu is organized into two main sections: 'Production figures' and 'Exploration wellbores'. The 'Production figures' section includes links for Companies, Production licences, Business areas, Discoveries, Fields, Stratigraphic units, Exploration wellbores, Development wellbores, Facilities, and Downloads. The 'Exploration wellbores' section includes links for Alphabetic, Not entered wellbores, Discovery wellbores, By drill permit, By wb entry date, By wb completion date, By updated date, By publication date, Reclassified to development, With composite logs, With wellbore documents, With NPD papers, With old WDSS reports, With extended data available (WDSS), With cores, With core photos, With cuttings, With oil samples, and With paly. slides.

Production figures
[Companies](#)
[Production licences](#)
[Business areas](#)
[Discoveries](#)
[Fields](#)
[Stratigraphic units](#)
[Exploration wellbores](#)
[Development wellbores](#)
[Facilities](#)
[Downloads](#)

Exploration wellbores
[Alphabetic](#)
[Not entered wellbores](#)
[Discovery wellbores](#)
[By drill permit](#)
[By wb entry date](#)
[By wb completion date](#)
[By updated date](#)
[By publication date](#)
[Reclassified to development](#)
[With composite logs](#)
[With wellbore documents](#)
[With NPD papers](#)
[With old WDSS reports](#)
[With extended data available \(WDSS\)](#)
[With cores](#)
[With core photos](#)
[With cuttings](#)
[With oil samples](#)
[With paly. slides](#)



Categories.... facilities

The NPD's fact-pages. Index. - Windows Internet Explorer

http://www.npd.no/engelsk/cw/pbl/en/index.htm

File Edit View Favorites Tools Help

Home Feedback

OLJEDIREKTORATET
NORWEGIAN PETROLEUM DIRECTORATE

The NPD's Fact-pages

Fixed facilities

A permanently placed facility is a generic term for all facilities that are placed on a field permanently. Floating production facilities, which in principle are mobile, come under this definition as they are meant to be permanently placed on the field.

[Facility list](#)

Downloads:

Download file:	Summary:	Description:
General information	General information about fixed facilities, such as name, position, fact-page and fact-map URLs and unique NPD ids.	View...

Production figures

- [Companies](#)
- [Production licences](#)
- [Business areas](#)
- [Discoveries](#)
- [Fields](#)
- [Stratigraphic units](#)
- [Exploration wellbores](#)
- [Development wellbores](#)
- [Facilities](#)
- [Downloads](#)

Facilities, fixed

- [Surface](#)
- [Subsurface](#)

Facilities, moveable


- [All](#)

- [1/2-1 IM](#)
- [1/2-1 PE](#)
- [1/2-1 PW](#)
- [10/1-CDP1](#)
- [15/12-C](#)
- [15/12-D](#)
- [15/5-A-7 H](#)
- [15/5-B-1 H](#)
- [15/6-A-1 H](#)
- [15/6-A-2 H](#)

W3C HTML 4.01 ✓

start Office Comm... Wireless Net... KRKManueldisk Internet E... Microsoft ... Clue Microsoft Pa... Search Desktop NO 125% 10:50

Access to well attributes & downloads



The NPD's Fact-pages

[Home](#)
[Feedback](#)
[Description of attributes](#)
[Map](#)

Generated 30.09.2009

Exploration wellbore: 1/2-1

General information

NPDID wellbore:	1382		
Well name:	1/2-1		
Drilling operator name:	PHILLIPS PETROLEUM COMPANY NORWAY		
Geodetic datum:	ED50		
Coordinates:	56° 53' 15.07'' N		2° 28' 35.70'' E
UTM coordinates:	6305128.26 N		468106.29 E
UTM zone:	31		
Drilled in production licence:	143		
Area:	NORTH SEA		
Discovery:	1/2-1 BLANE		
Field:	BLANE		
Drill permit:	604-L		
Drilling facility:	ROSS ISLE		
Drilling days:	77		
Wellbore entry date:	20.03.1989		
Wellbore completion date:	04.06.1989		
Original wellbore purpose:	WILDCAT		
Wellbore purpose:	WILDCAT		
Wellbore status:	P&A		
Wellbore contents:	OIL		
Discovery wellbore:	YES		
Formation/age with hydrocarbons 1:	FORTIES FM / PALEOCENE		
Seismic location:	PW 8303A - 10 SP. 290		
Kelly bushing elevation (KB) [m]:	22		
Water depth [m]:	72		
Total Depth (MD) [m]:	3574		
Final vertical depth (TVD) [m]:			
Max inclination [°]:	2.00		
Bottom hole temperature [°C]:	147		
Oldest penetrated age:	LATE CAMBRIAN		
Oldest penetrated formation:	TOR FM		

Note: All depths, except the water depth, are relative to kelly bushing (RKB)

Production figures

- [Companies](#)
- [Production licences](#)
- [Business areas](#)
- [Discoveries](#)
- [Fields](#)
- [Stratigraphic units](#)
- [Exploration wellbores](#)
- [Development wellbores](#)
- [Facilities](#)
- [Downloads](#)

Exploration wellbores

- [Alphabetic](#)
- [Not entered wellbores](#)
- [Discovery wellbores](#)
- [By drill permit](#)
- [By wb entry date](#)
- [By wb completion date](#)
- [By updated date](#)
- [By publication date](#)
- [Reclassified to development](#)
- [With composite logs](#)
- [With wellbore documents](#)
- [With NPD papers](#)
- [With old WDSS reports](#)
- [With extended data available \(WDSS\)](#)
- [With cores](#)

- [1/2-1](#)
- [1/2-2](#)
- [1/3-1](#)
- [1/3-2](#)
- [1/3-3](#)
- [1/3-4](#)
- [1/3-5](#)
- [1/3-6](#)
- [1/3-7](#)
- [1/3-8](#)
- [1/3-9 S](#)
- [1/3-10](#)
- [1/3-10 A](#)
- [1/3-11](#)
- [1/5-1](#)
- [1/5-2](#)
- [1/5-3 S](#)
- [1/5-4 S](#)
- [1/6-1](#)
- [1/6-2](#)

07/10/2009

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Alternative Topic lists

- ◆ Old correspondance index
- ◆ NPD Library
- ◆ Ephorte
- ◆ Licence Web
- ◆ NPD Fact Pages
- ◆ **GeoNorge Portal**
- ◆ **Licence Web**

GeoNorge Portal: Search Criteria



The screenshot shows the GeoNorge portal homepage. At the top left is the 'Norge digitalt' logo. The main header features the 'geoNorge' logo and the text 'nasjonal geografisk portal'. In the top right corner, there are links for 'Om geoNorge', 'Kontakt', 'Hjelp', and 'FAQ'.

The page is divided into three main columns:

- Min geoNorge:** Contains a 'Hjem' link, a search bar with 'npd' entered and a 'Søk' button, and a login section with fields for 'Brukernavn' and 'Passord', and a 'Logg inn' button. Below the login section are links for 'Registrer ny bruker!' and 'Glemt passord?'.
- Hjem:** Features a 'Velkommen til geoNorge' section with a welcome message and a 'Gå til Avansert søk' link. Below this is a 'Ny funksjonalitet i geoNorge, tjenestovervåking av bl.a. wms og ws' section, followed by a 'geoNorge har blitt tildelt Good practice label for 2007' section with the 'epractice.eu' logo.
- Fagområder:** A list of subject areas including Basisdata, Befolkning og kultur, Eiendom og grenser, Energi /infrastruktur, Geologi, Krise og beredskap, Kyst og fiskeri, Landbruk, Natur og miljø, and Plan.
- Nasjonale data:** A list of national data sources including DN, Kystverket, NGU, NINA, NIVA, NVE, Riksantikvaren, SFT, Skog og landskap, Statens kartverk, met.no, and Statens vegvesen.
- Regionale data:** A link for 'Fylker og kommuner'.
- Datanedlastning:** A link for 'Norge digitalt parter'.
- Overvåking:** A link for 'Tjenesteovervåking ND'.

Themes (disciplines)



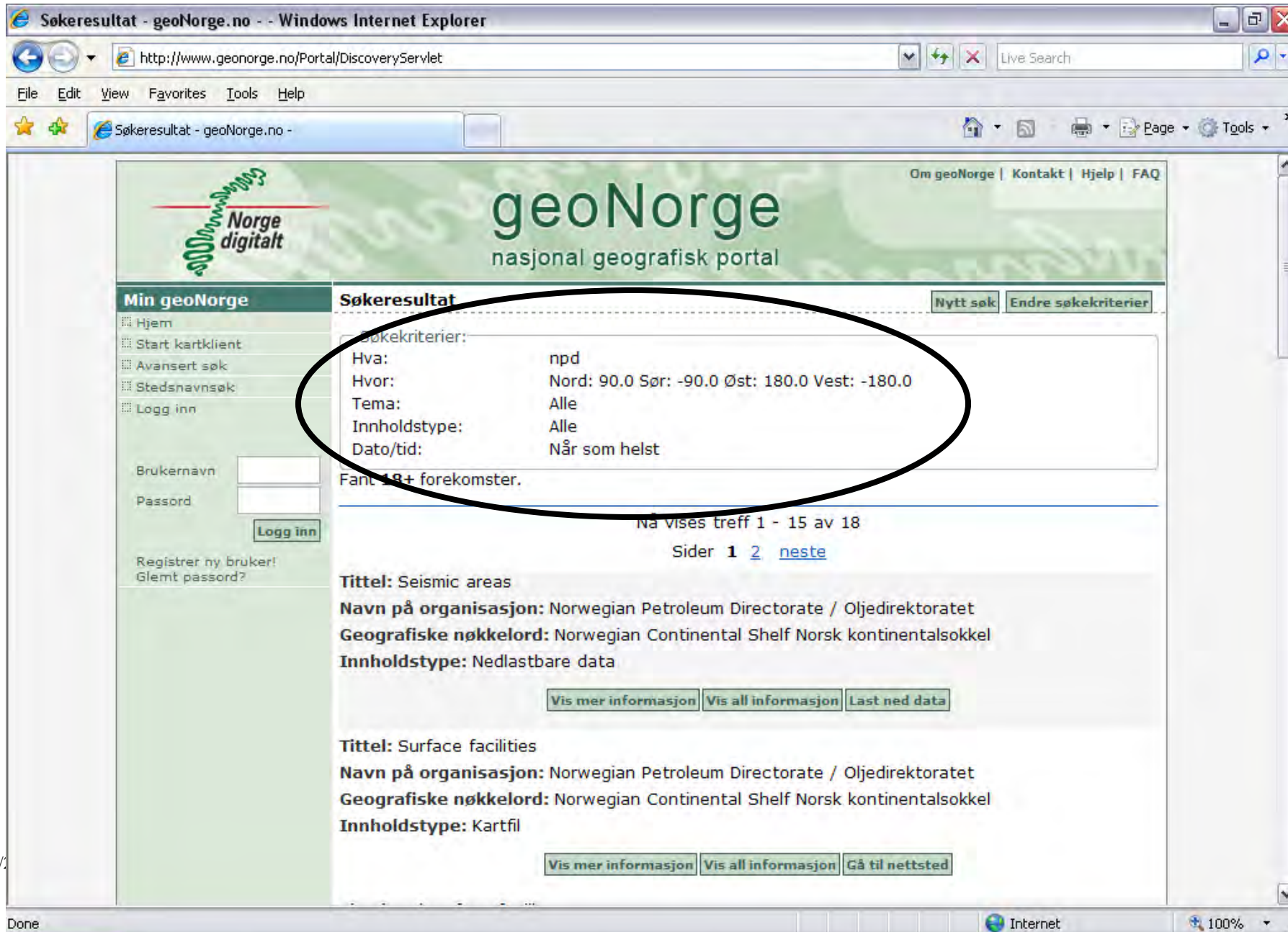
The screenshot shows the homepage of geoNorge, the national geographical portal of Norway. The page is organized into several sections:

- Header:** Includes the "Norge digitalt" logo, the "geoNorge" title, and the subtitle "nasjonal geografisk portal". Navigation links for "Om geoNorge", "Kontakt", "Hjelp", and "FAQ" are in the top right.
- Left Sidebar (Min geoNorge):** Contains a "Hjem" button, search options ("Start kartklient", "Avansert søk", "Stedsnavnsøk", "Logg inn"), and a login form with fields for "Brukernavn" and "Passord", and a "Logg inn" button. It also includes links for "Registrer ny bruker!" and "Glemt passord?".
- Main Content Area (Hjem):** Features a search bar with a "Søk" button, a "Gå til Avansert søk" link, and a "Velkommen til geoNorge" section. The welcome message states: "geoNorge er det nasjonale nettstedet for kartdata og annen geografisk stedfestet informasjon i Norge. Her kan du søke etter, få informasjon om og tilgang til det som er tilgjengelig av slik informasjon." Below this, it mentions that geoNorge is part of "Norge digitalt" and lists partners like "geoportalen" and "Norge digitalt".
- Right Sidebar (Fagområder):** Lists various disciplines: Basisdata, Befolkning og kultur, Eiendom og grenser, Energi /infrastruktur, Geologi, Krise og beredskap, Kyst og fiskeri, Landbruk, Natur og miljø, and Plan.
- Right Sidebar (Nasjonale data):** Lists national data sources: DN, Kystverket, NGU, NINA, NIVA, NVE, Riksantikvaren, SFT, Skog og landskap, Statens kartverk, met.no, and Statens vegvesen.
- Right Sidebar (Regionale data):** Lists regional data: "Fylker og kommuner".
- Right Sidebar (Datanedlastning):** Lists data download options: "Norge digitalt parter".
- Right Sidebar (Overvaking):** Lists monitoring services: "Tjenesteovervåking ND".
- Bottom Section:** Announces "geoNorge har blitt tildelt Good practice label for 2007" with a logo from epractice.eu. The text below reads: "geoNorge har blitt integrert i ePractice.eu databasen, og har blitt tildelt 'the ePractice.eu Good Practice label for 2007'. Dette basert på anbefalinger fra 'the 2007 European eGovernment Awards consortium'." A small "Internet" icon is in the bottom right corner.

Disciplines

- Well data
- People and culture
- Properties and borders
- Energy/infrastructure
- Geology
- Emergency/em.response
- Coast & fisheries
- Agriculture
- Nature & environment
- Area planning

GeoNorge Portal: Search Criteria



Søkeresultat - geoNorge.no - - Windows Internet Explorer

http://www.geonorge.no/Portal/DiscoveryServlet

File Edit View Favorites Tools Help

Søkeresultat - geoNorge.no -

Om geoNorge | Kontakt | Hjelp | FAQ

geoNorge
nasjonal geografisk portal

Min geoNorge

- Hjem
- Start kartklient
- Avansert søk
- Stedshavnøk
- Logg inn

Brukernavn

Passord

Logg inn

Registrer ny bruker!
Glemt passord?

Søkeresultat Nytt søk Endre søkekriterier

Søkekriterier:

Hva:	npd
Hvor:	Nord: 90.0 Sør: -90.0 Øst: 180.0 Vest: -180.0
Tema:	Alle
Innholdstype:	Alle
Dato/tid:	Når som helst

Fant 18+ forekomster.

Nå vises treff 1 - 15 av 18

Sider [1](#) [2](#) [neste](#)

Tittel: Seismic areas
Navn på organisasjon: Norwegian Petroleum Directorate / Oljedirektoratet
Geografiske nøkkelord: Norwegian Continental Shelf Norsk kontinentalsokkel
Innholdstype: Nedlastbare data

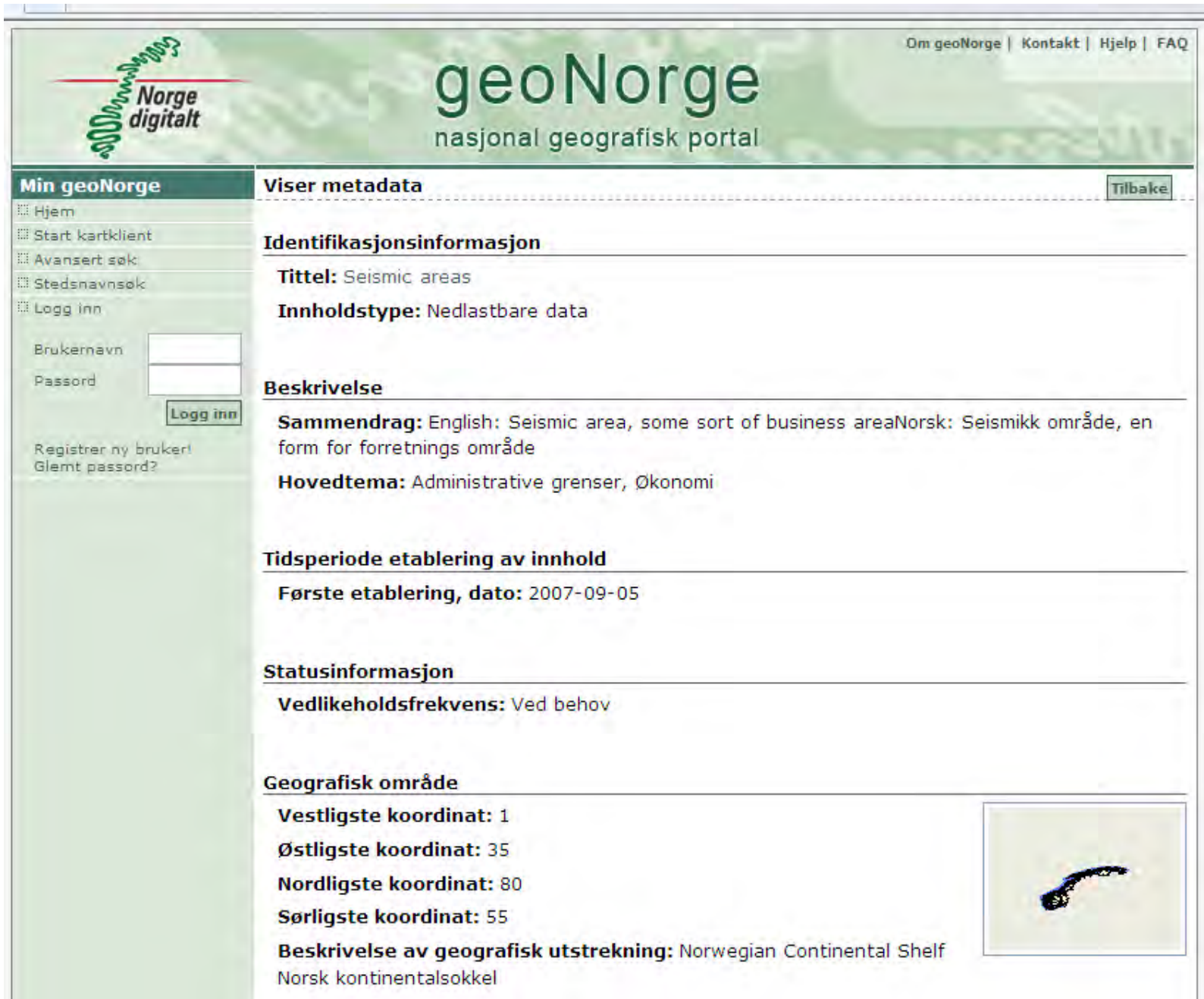
[Vis mer informasjon](#) [Vis all informasjon](#) [Last ned data](#)

Tittel: Surface facilities
Navn på organisasjon: Norwegian Petroleum Directorate / Oljedirektoratet
Geografiske nøkkelord: Norwegian Continental Shelf Norsk kontinentalsokkel
Innholdstype: Kartfil

[Vis mer informasjon](#) [Vis all informasjon](#) [Gå til nettsted](#)

Done Internet 100%

More of the metadata.....



The screenshot shows the geoNorge website interface. The header includes the 'Norge digitalt' logo and the 'geoNorge nasjonal geografisk portal' title. A navigation menu on the left lists options like 'Hjem', 'Start kartklient', and 'Logg inn'. The main content area displays metadata for a dataset titled 'Seismic areas'. The metadata is organized into sections: 'Identifikasjonsinformasjon' (Title: Seismic areas, Content type: Downloadable data), 'Beskrivelse' (Summary: English: Seismic area, some sort of business area; Norsk: Seismikk område, en form for forretnings område; Main theme: Administrative grenser, Økonomi), 'Tidsperiode etablering av innhold' (First establishment date: 2007-09-05), 'Statusinformasjon' (Maintenance frequency: As needed), and 'Geografisk område' (Coordinates: Vestligste koordinat: 1, Østligste koordinat: 35, Nordligste koordinat: 80, Sørligste koordinat: 55; Description: Norwegian Continental Shelf). A small map of Norway is visible in the bottom right corner of the metadata section.

Min geoNorge

- Hjem
- Start kartklient
- Avansert søk
- Stedsnavnsøk
- Logg inn

Brukernavn

Passord

Registrer ny brukert
Glemt passord?

Viser metadata

Identifikasjonsinformasjon

Tittel: Seismic areas

Innholdstype: Nedlastbare data

Beskrivelse

Sammendrag: English: Seismic area, some sort of business area
Norsk: Seismikk område, en form for forretnings område

Hovedtema: Administrative grenser, Økonomi

Tidsperiode etablering av innhold

Første etablering, dato: 2007-09-05

Statusinformasjon

Vedlikeholdsfrekvens: Ved behov

Geografisk område


Vestligste koordinat: 1

Østligste koordinat: 35

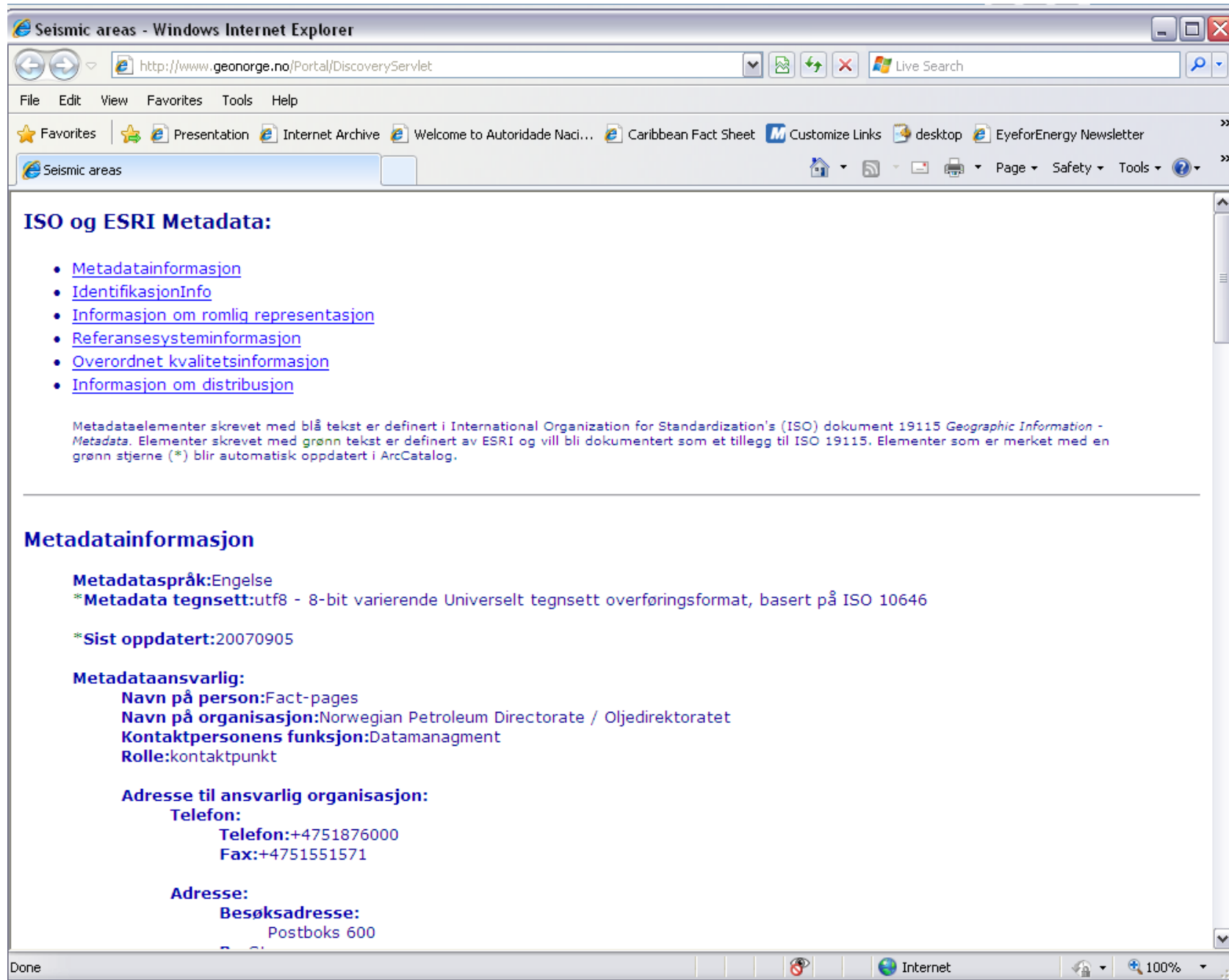
Nordligste koordinat: 80

Sørligste koordinat: 55

Beskrivelse av geografisk utstrekning: Norwegian Continental Shelf
Norsk kontinentalsokkel



Show all metadata of that data resource



Seismic areas - Windows Internet Explorer

http://www.geonorge.no/Portal/DiscoveryServlet

File Edit View Favorites Tools Help

Seismic areas

ISO og ESRI Metadata:

- [Metadainformasjon](#)
- [IdentifikasjonInfo](#)
- [Informasjon om romlig representasjon](#)
- [Referansesysteminformasjon](#)
- [Overordnet kvalitetsinformasjon](#)
- [Informasjon om distribusjon](#)

Metadadataelementer skrevet med blå tekst er definert i International Organization for Standardization's (ISO) dokument 19115 *Geographic Information - Metadata*. Elementer skrevet med grønn tekst er definert av ESRI og vill bli dokumentert som et tillegg til ISO 19115. Elementer som er merket med en grønn stjerne (*) blir automatisk oppdatert i ArcCatalog.

Metadainformasjon

Metadataspråk:Engelse

***Metadadata tegnsett:**utf8 - 8-bit varierende Universelt tegnsett overføringsformat, basert på ISO 10646

***Sist oppdatert:**20070905

Metadadataansvarlig:

Navn på person:Fact-pages

Navn på organisasjon:Norwegian Petroleum Directorate / Oljedirektoratet

Kontaktpersonens funksjon:Datamanagment

Rolle:kontaktpunkt

Adresse til ansvarlig organisasjon:

Telefon:

Telefon:+4751876000

Fax:+4751551571

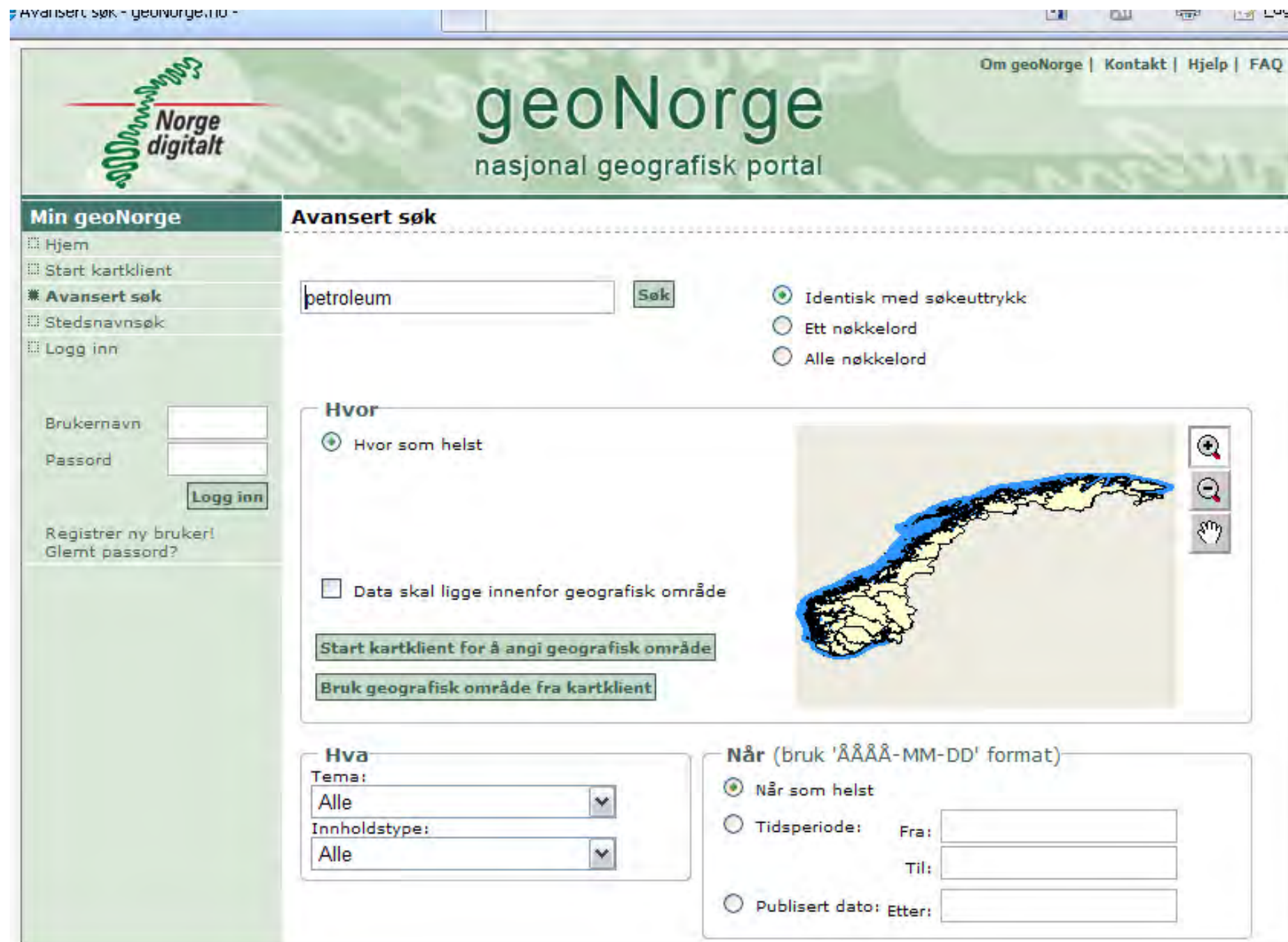
Adresse:

Besøksadresse:

Postboks 600

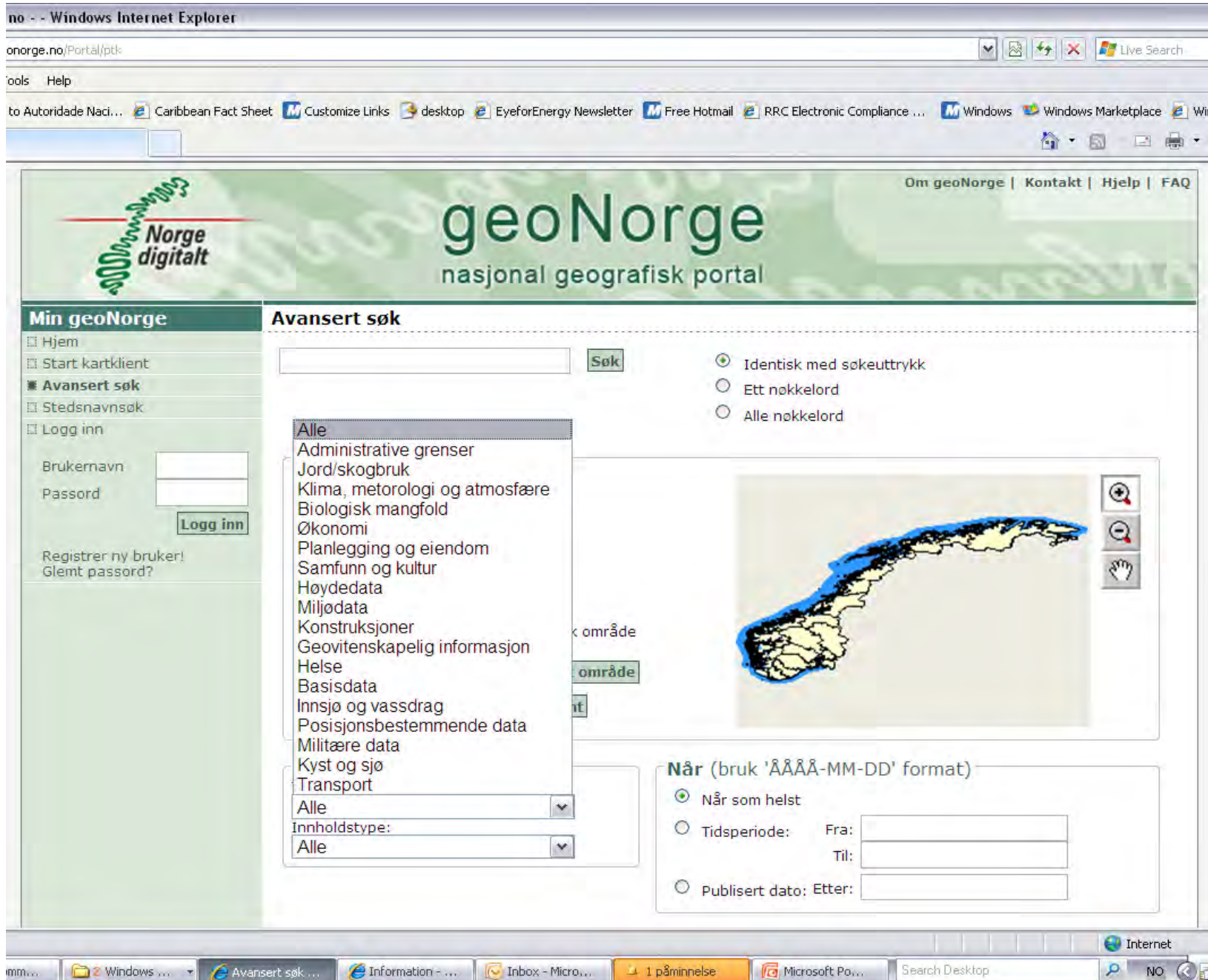
Done Internet 100%

GeoNorge Portal: Advanced search



The screenshot shows the 'Avansert søk' (Advanced search) page of the GeoNorge portal. The page has a green header with the 'geoNorge' logo and the text 'nasjonal geografisk portal'. In the top right corner, there are links for 'Om geoNorge', 'Kontakt', 'Hjelp', and 'FAQ'. On the left side, there is a navigation menu under 'Min geoNorge' with options: 'Hjem', 'Start kartklient', 'Avansert søk' (selected), 'Stedsnavnsøk', and 'Logg inn'. Below the menu are login fields for 'Brukernavn' and 'Passord', a 'Logg inn' button, and links for 'Registrer ny bruker!' and 'Glemt passord?'. The main search area is titled 'Avansert søk' and contains a search input field with the text 'petroleum' and a 'Søk' button. To the right of the search field are three radio button options: 'Identisk med søkeuttrykk' (selected), 'Ett nøkkelord', and 'Alle nøkkelord'. Below the search field is a section titled 'Hvor' (Where) with a radio button for 'Hvor som helst' (selected) and a checkbox for 'Data skal ligge innenfor geografisk område'. To the right of these options is a map of Norway with a yellow and blue highlighted area. Below the map are two buttons: 'Start kartklient for å angi geografisk område' and 'Bruk geografisk område fra kartklient'. At the bottom, there are two sections: 'Hva' (What) with dropdown menus for 'Tema:' (set to 'Alle') and 'Innholdstype:' (set to 'Alle'); and 'Når' (When) with radio button options for 'Når som helst' (selected), 'Tidsperiode:' (with 'Fra:' and 'Til:' input fields), and 'Publisert dato:' (with 'Etter:' input field).

Advanced search: Theme/topic/subject



Where

- use Map

What

- Topic
- Adm. Borders
- Agricult. Forestry
- Climate
- Bio diversity
- Economy
- Planning/Property
- Society & culture
- Topography
- Environment
- Constructions
- Geoscience
- Health care
- Basic data
- Lakes & sea
- Transport

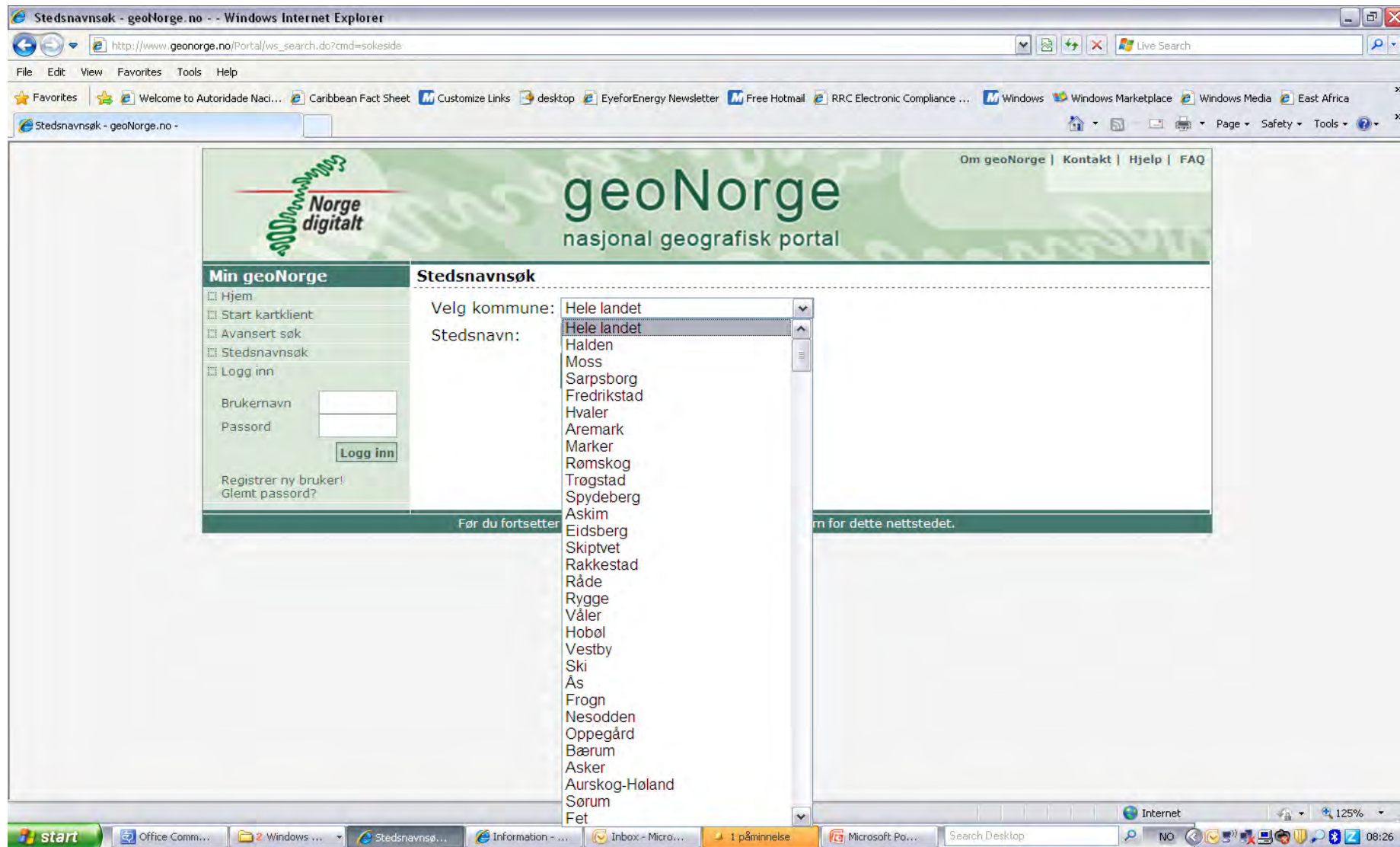
When

Search on location names (ex cities)

The screenshot shows the 'geoNorge' website interface. At the top left is the 'Norge digitalt' logo. The main header contains the 'geoNorge' logo and the text 'nasjonal geografisk portal'. In the top right corner, there are links for 'Om geoNorge', 'Kontakt', 'Hjelp', and 'FAQ'. The main content area is divided into two sections. On the left, under the heading 'Min geoNorge', there is a vertical menu with links: 'Hjem', 'Start kartklient', 'Avansert søk', 'Stedsnavnsøk', and 'Logg inn'. Below this menu are input fields for 'Brukernavn' and 'Passord', followed by a 'Logg inn' button. At the bottom of this section are links for 'Registrer ny bruker!' and 'Glemt passord?'. The right section is titled 'Stedsnavnsøk' and contains a search form. It has a dropdown menu labeled 'Velg kommune:' with 'Hele landet' selected. Below it is a text input field for 'Stedsnavn:' and a 'Søk' button. At the bottom of the page, there is a footer with the text: 'Før du fortsetter les om ansvar, opphavsrett og personvern for dette nettstedet.'

Search in a structured database

Search on location names (ex city)



Search in a structured database

Search on location names (ex city): Results



Om geoNorge | Kontakt | Hjelp | FAQ

 **geoNorge**
nasjonal geografisk portal

Min geoNorge

- [Hjem](#)
- [Start kartklient](#)
- [Avansert søk](#)
- [Stedsnavnsøk](#)
- [Logg inn](#)

Brukernavn

Passord

[Registrer ny bruker!](#)
[Glemt passord?](#)

Stedsnavnsøk - Resultat

Vis i kart	Navn	Beskrivelse	Kommune
Vis	Tananger	Tettsted	Sola
Vis	Tananger	Lykt (Fyrlykt)	Sola

Før du fortsetter les om ansvar, opphavsrett og personvern for dette nettstedet.

Links to all the attributes in the structured database

Alternative Topic lists

- ◆ Old correspondance index
- ◆ NPD Library
- ◆ Ephorte
- ◆ Licence Web
- ◆ NPD Fact Pages
- ◆ GeoNorge Portal
- ◆ **Licence Web**

License web – Portal for all licenses and all companies



energy components

LicenseWeb

Authority: Eni Norge AS

Calendar

	M	T	W	T	F	S	S
26	23	1	2	3	4	5	6
27	7	8	9	10	11	12	13
28	14	15	16	17	18	19	20
29	21	22	23	24	25	26	27
30	28	29	30	1	2	3	4

Inbox

2009/09/17 12:49
AW Møtereferat 31082009
Authority INFO: Vedlagt er møtereferat fra AW Brukerfor...

2009/09/02 14:27
Oppgradering til Documentu...
Authority INFO: Kommentarer fra OD og Ptl vedr oppgrad...

News
No news

My licenses
Author...
BA_Ste...

Subscriptions

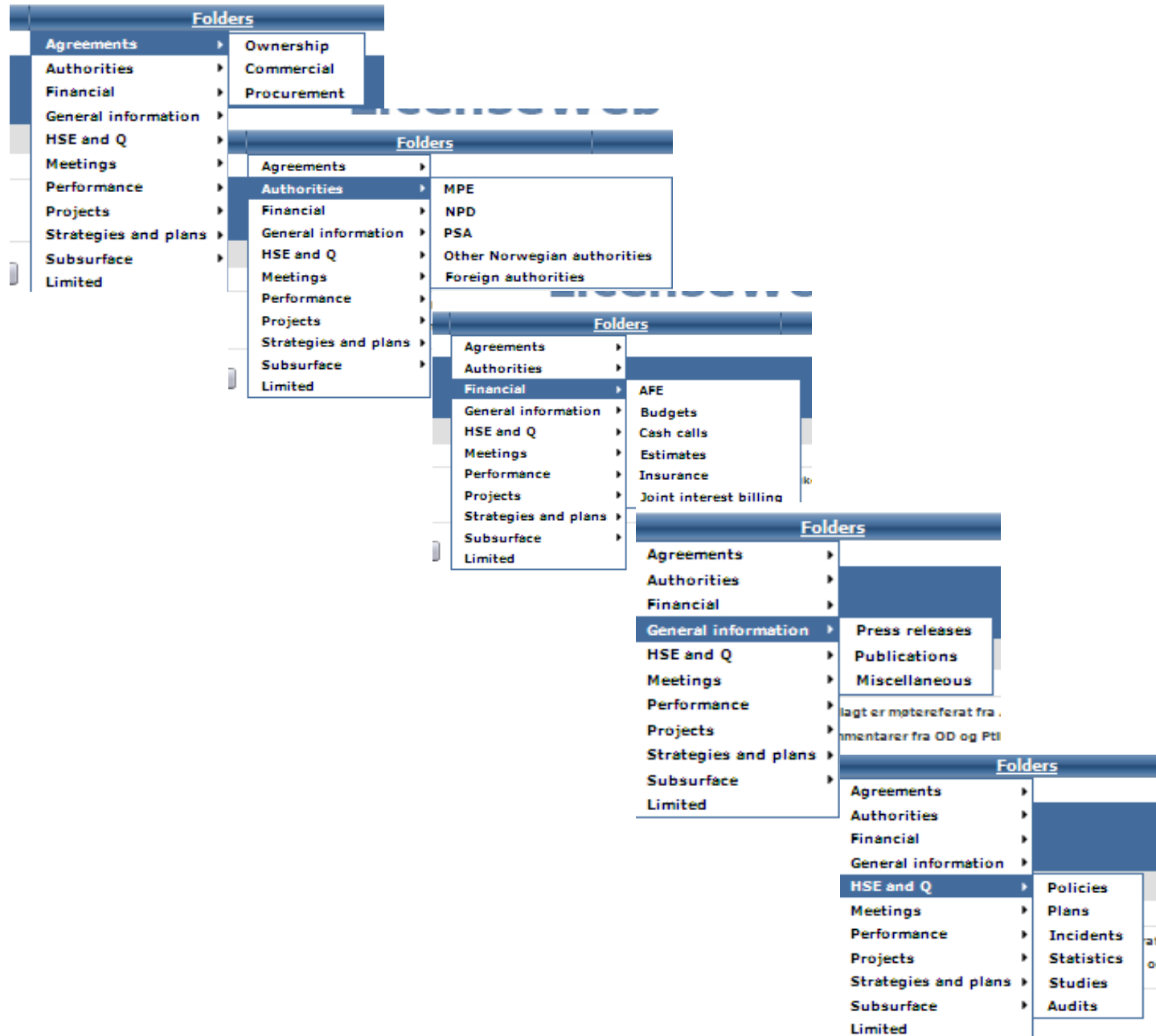
Select license or unit:

Name	Title	Status
0100	Recommended Folder Structure	Active
BA_ASGARD	Asgard Unit	Active
BA_BRAGE	Brage Unit	Active
BA_DAGNY		Active
BA_GIMLE	Gimle Unit	Active
BA_GRAVE	Grave Unit	Active
BA_HALTEN_WEST	Haltenbanken West Unit	Active
BA_HEIDRUN	Heidrun Unit	Active
BA_HULDRA	Huldre Unit	Active
BA_JOTUN	Jotun Unit	Active
BA_MIKKEL	Mikkel Unit	Active
BA_Njord	Njord Unit	Active
BA_ORMEN_LANGE	Ormen Lange Unit	Active
BA_OSEBERG	Oseberg Area Unit	Active
BA_OSEBERGA	Oseberg Area Unit	Active
BA_OSEBERGS	Oseberg Sør Unit	Active
BA_RINGHORNE_EAST	BA Ringhorne East	Active
BA_SKARV	SKARV	Active
BA_SNOHVIT	Snehvit Unit	Active
BA_SNORRE	Snorre Unit	Active
BA_STATFJORDO	Statfjord Øst Unit	Active
BA_SYGNA	Syona Unit	Active
BA_Statfjord	Statfjord Unit	Active
BA_TAMPEN	Tampen Area	Active
BA_TROLL	Troll Unit	Active

License web: Topic = "Folders"

Facts	Folders									
 Inbox for Authority	<ul style="list-style-type: none"> Agreements Authorities Financial General information HSE and Q Meetings Performance Projects Strategies and plans Subsurface Limited 									
Total number of Items for Authority: 2										
<table border="1"> <thead> <tr> <th><input type="checkbox"/></th> <th><u>Mark</u></th> <th><u>Title</u></th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/></td> <td></td> <td><u>AW Metersferat 31082009</u></td> </tr> <tr> <td><input type="checkbox"/></td> <td></td> <td><u>Oppgradering til Documentum 6.5. - konsekvenser for AuthorityWeb</u></td> </tr> </tbody> </table>	<input type="checkbox"/>	<u>Mark</u>	<u>Title</u>	<input type="checkbox"/>		<u>AW Metersferat 31082009</u>	<input type="checkbox"/>		<u>Oppgradering til Documentum 6.5. - konsekvenser for AuthorityWeb</u>	
<input type="checkbox"/>	<u>Mark</u>	<u>Title</u>								
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<input type="checkbox"/>		<u>Oppgradering til Documentum 6.5. - konsekvenser for AuthorityWeb</u>								
<input type="button" value="Mark (!)"/>	<input type="button" value="Unmark"/>	<input type="button" value="Remove from inbox"/>								

License web: SubFolders



License web: Folders cont.

Folders	
Agreements	
Authorities	
Financial	
General information	
HSE and Q	
Meetings	MC meetings
Performance	TC meetings
Projects	
Strategies and plans	
Subsurface	
Limited	

Folders	
Agreements	
Authorities	
Financial	
General information	
HSE and Q	
Meetings	
Performance	General
Projects	HSE
Strategies and plans	Financial
Subsurface	Subsurface
Limited	Projects
	Production

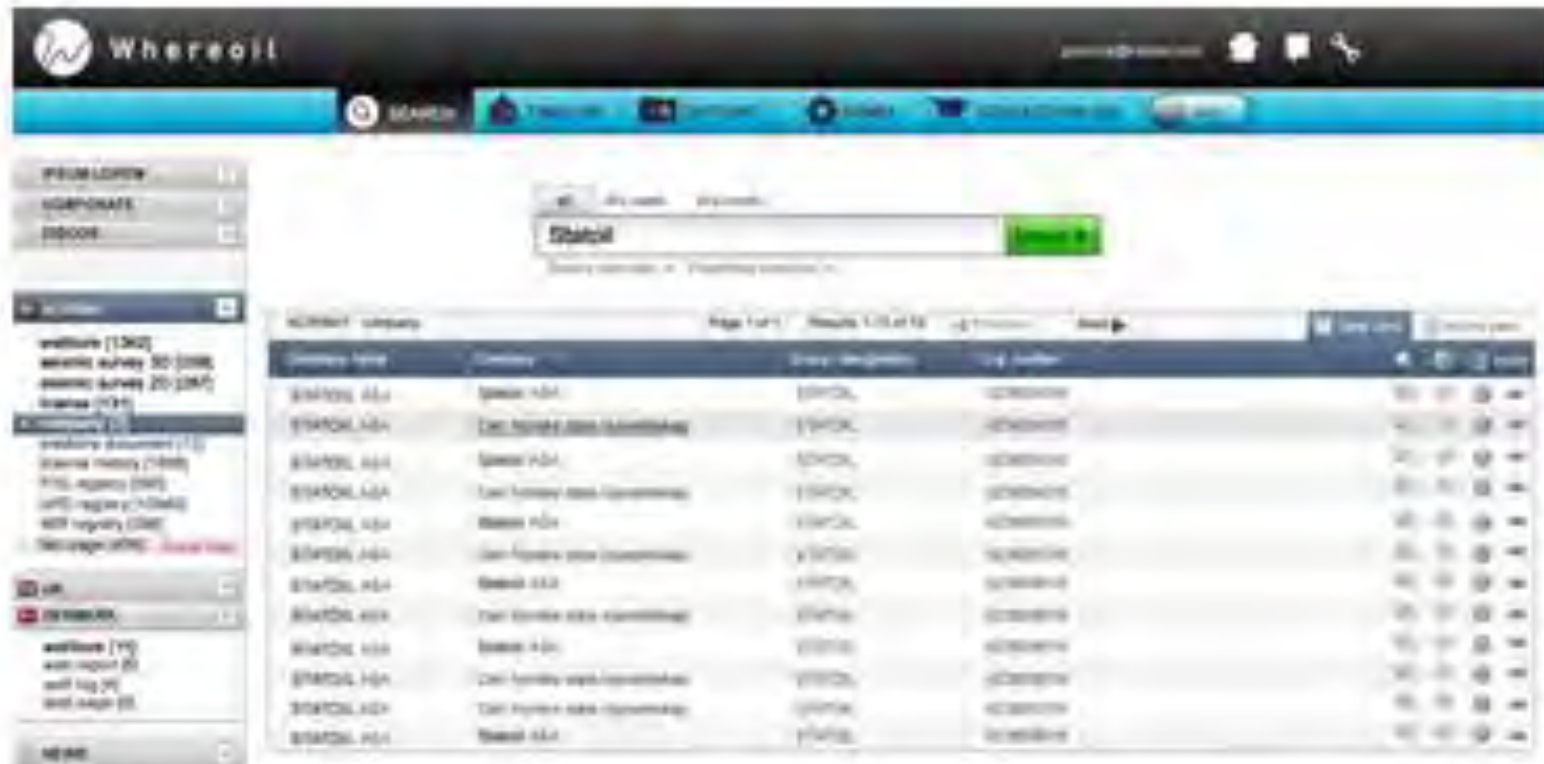
Folders	
Agreements	
Authorities	
Financial	
General information	
HSE and Q	
Meetings	
Performance	lagt er møtereferat fra AW Bruk
Projects	Development projects
Strategies and plans	Other projects
Subsurface	R&D
Limited	

Folders	
Agreements	
Authorities	
Financial	
General information	
HSE and Q	
Meetings	
Performance	lagt er møtereferat fra AW E
Projects	mentarer fra OD og Ptl ved
Strategies and plans	Strategies
Subsurface	Work programs
Limited	

Folders	
Agreements	
Authorities	
Financial	
General information	
HSE and Q	
Meetings	
Performance	lagt er møtereferat fra AW Brukerfo
Projects	mentarer fra OD og Ptl vedr
Strategies and plans	
Subsurface	Geology and geophysics
Limited	Seismic
	Reservoir
	Wells



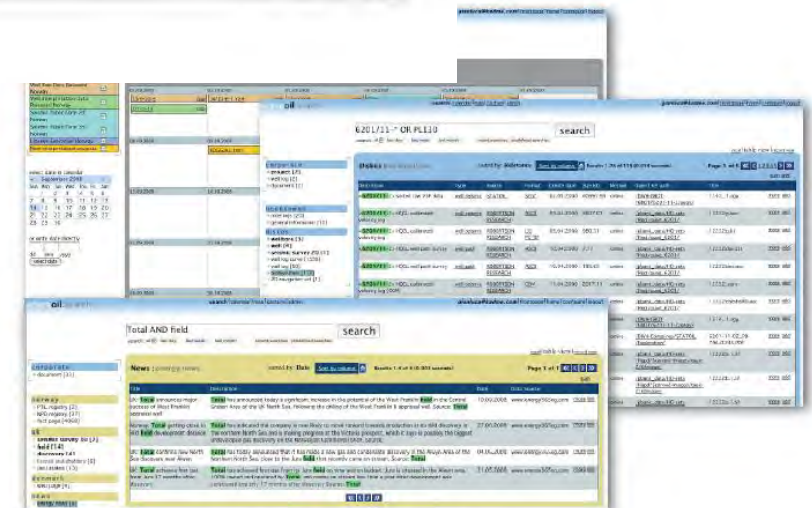
New Software: ex WhereOil



Portal with a combines search in both

- Text documents
- Structured database/spreadsheets
- Maps

07/10/2009



Statistics Norway: Subject 10 Business sector

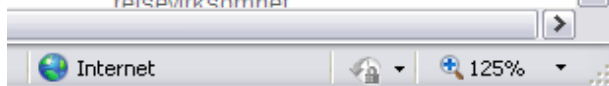


10 Næringsvirksomhet

- Struktur, bedriftregister
- Skatt næringsvirksomhet
- Teknologiske indikatorer, inkl. IKT
- Jordbruk og skogbruk
 - Jordbruk, jakt, viltstell
 - Skogbruk
- Fiske og fiskeoppdrett
- Bergverksdrift og utvinning, inkl. olje og gass
 - Utvinning av råolje og naturgass
 - Tjenester tilknyttet olje- og gassutvinning
- Industri
 - Produksjon av næringsmidler
- Kraft- og vannforsyning
 - Elektrisitets- og varmtvannsforsyning
- Bygge- og anleggsvirksomhet
- Varehandel og reparasjonsvirksomhet
 - Varehandel
- Hotell- og restaurantvirksomhet
- Transport og kommunikasjon
 - Jernbanetransport
 - Veitransport
 - Sjøtransport
 - Lufttransport
 - Tjenester tilknyttet transport og reisevirksomhet



Mining and extracting/exploitation incl oil & gas
Exploitation of crude oil and gas
Services connected to oil & gas production



Norw.Profile ISO 19115 Topic codes



15) MD_TematiskHovedKategori (TopicCatCd)

Kodeverdi	Kodenavn	Kodedefinisjon
001	landbruk	Avling eller oppdrett av dyr og/eller dyrking av planter. Eksempel: Jordbruk, landbruk, skogbruk, vanningsanlegg, oppdrettsanlegg, plantasjer, buskap samt sykdomsangrep på avling eller buskap.
002	biologiskMangfold	Flora og fauna I naturmiljøet Eksempler: viltområder, vegetasjon, biologisk forskning, økologi, urskog, våtmarker, habitater og biologisk mangfold i sjø.
003	administrativeGrens er	Offentlig bestemte avgrensinger av et landområde. Eksempel : fylkesgrense, kommunegrense, grunnkretser.
004	klimaMeteorologiAtm osfære	Prosesser og fenomener I atmosfæren. Eksempler: skydekke, vær, klima, atmosfæriske forhold, klimaforandring, nedbør.
005	økonomi	Økonomisk aktivitet, betingelser og sysselsetting. Eksempler: produksjon, arbeid, omsetning, handel, industri, turisme, økoturisme, ulike næringer fra skogbruk, fiskeri, kommersiell fangst og jakt, samt undersøkelse og utvinning av ressurser som mineraler, olje og gass.
006	høydeData	Høydedata og dybdedata. Eksempel: Høydeanvisning, bathometri, digitale høydemodeller, hellingsdata, og andre avledede produkter knyttet til terrengformer.
007	miljøData	Miljøressurser, vern og bevaring. Eksempler: forurensning, avfallsområder, risikoområder, miljøkonsekvensutredninger, verneområder, kulturmiljø og kulturlandskap.
008	geovitenskapligInfo	Informasjon som gjelder geovitenskap. Eksempler: geofysiske stedfestede objekt og prosesser, geologi, mineraler, vitenskaper som omhandler sammensetning struktur og opphav av jordens bergarter og dens kjemiske og geofysiske egenskaper, jordskjelv, vulkanisk aktivitet, skred, jordarter, permafrost, hydrogeologi, erosjon
009	helse	Helse, helsetjeneste, sykdom og sikkerhet. Eksempler: Faktorer som påvirker helsen, hygiene, rusmisbruk, mental og fysisk helse.
010	basisData	Primærdata, kartdata (vektor og raster), grunnkart, arealdekkende bilder. Eksempler: topografiske kart, satellittbilder, flybilder, ortofoto, skråfoto, uklassifiserte bilder, presentasjonsdata.
011	militæreData	Militærbaser og militær aktivitet. Eksempel: Militæroleirer

Lessons learned

- ◆ The metadata elements must be tailored to the user group that will search for data
- ◆ Controlled vocabulary are useful for keywords
- ◆ Metadata element according to a specific data model (ontology) useful
- ◆ Don't make complicated IT-systems without simple pilot

Arguments

- ◆ The EPPM project is not an IT-project
 - ◆ Templates exist already (ex BGS, CCOP-metadata portal)
 - ◆ Challenge is to put in the right data
 - What is relevant (not too much, start in the right end, which search criteria)
 - Compatible with emerging technology (free text search, metacarta(spatial data retrieval),semantic web)
- ◆ The focus must be on
 - ◆ Define a short keyword hierarchy that is relevant (classification)
 - ◆ Use “best practice ontology”
 - ◆ Harmonize regional reference databases to allow for future dataflow between databases

End og presentation....



Metadata Community Profile according to ISO 19115 - Microsoft Internet Explorer

Address: <http://grdc.bafg.de/servlet/is/6496/>

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Metadata Community Profile according to ISO 19115

ISO 19115 provides a mechanism to extend the **Metadata** definitions. If the information to be added is extensive, involving the creation of many metadata elements within a metadata entity, specific to a discipline or application, coordination of the proposed extension via user groups and creation of a community profile is recommended. ISO 19115 defines almost 300 metadata elements, with most of these being listed as "optional". They are explicitly defined in order to help users understand exactly what is being described. Individual communities, nations, or organisations may develop a "community profile" of this International Standard. They will make a select set of metadata elements mandatory. A given metadata element (e.g., the "price" of a dataset) may be established as "mandatory" for a certain community that will always want that metadata element reported. A community of users may want to establish additional metadata elements that are not in this International Standard. For example, a community may want to develop metadata elements for the status of datasets within their system to help manage production. However, these added elements will not be known outside the community unless they are published. A community profile should establish field sizes and domains for all metadata elements to insure interoperability. See ISO 19106 for more information on community profiles. Figure B-1 illustrates the relationship between the Core Metadata components, the comprehensive metadata application profile and national, regional, domain specific or organisational profiles.

Figure: Metadata community profile as defined in ISO 19115, annex C.5. The inner circle contains the core metadata components. The comprehensive metadata includes the core metadata components. A community profile shall contain the core metadata components, but not necessarily all the other metadata components. Additionally it may contain metadata extensions (shaded area) which shall be defined following the metadata extension rules in ISO 19115, annex C.

[Back to More on ISO 19115](#)

A good example of the development of a Metadata Community Profile according to ISO 19115 is the New Zealand Geospatial Metadata Profile, documentation and XML schemes on the current version of which is available at

» <http://www.linz.govt.nz/res/linz/pub/web/root/core/Topography/ProjectsAndProgrammes/geospatialmetadata>

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GRDC operates under the auspices of the World Meteorological Organization (WMO) with the support of the Federal Republic of Germany within the Federal Institute of Hydrology (BfG).

Search String

- Glossary Term
- » HELP
 - » ISO
 - » ISO 19115
 - » Metadata
 - » WWW
 - » XML

Metadata_veileder_v20060509 [Kompatibilitetsmodus] - Microsoft Word

Hjem Sett inn Sideoppsett Referanser Masseutsendelser Se gjennom Visning

Klipp ut Kopier Lim inn Kopier format Utklippstavle

Arial 20

Skrift Avsnitt Stiler

AaBbCcI AaBbCc AaBbCcI AaBbCcI AaBbC AaBbCcI AaBbC AaBbCcI AaBbCcI

Normal Overskri... Sterk Tittel Undertittel Utheving

Søk Erstatt Velg Redigering

Norge digitalt - metadata

Norge digitalt

Beskrivelse:

Sammendrag *:

N5000 Kartdata er tilpasset målestokkområdet 1:3 000 000 til 1:7 000 000 og dekker fastlands-Norge begrenset av riksgrensen mot nabolandene og territorialgrensen i havet. Kartdatabasen er en generalisering av N2000 Kartdata og er kartografisk redigert med tanke på presentasjon i målestokk 1: 5 000 000.

Formål *:

Fremstilling av oversiktskart, temakart og interaktive kart. Datagrunnlag for kartlæsninger på Internet.

Annem informasjon:

Temagrupper: Vann: Hav, innsjøer og elver. Areal: Skog og bre. Bygg og anlegg: Tettsteder og andre anlegg. Samferdsel: Offentlige veier, bilferger, jernbane stasjoner og hurtigruten Bergen-Kirkenes. Administrativ inndeling: Riks-, fylkes- og kommunegrenser, grunnlinje, territorialgrense

Tidsperiode for innholdet:

Første utgivelse(dato): 19810101

Siste utgivelse(dato): 20041130

Aktualitet, referanse:

Status:

Status: Kontinuerlig oppdatering

Vedlikeholdsfrekvens: Årlig

Geografisk utstrekning:

Vestligste koordinat (DDD.XXX) *:

Østligste koordinat (DDD.XXX) *:

Nordligste koordinat (DD.XXX) *:

Sørligste koordinat (DD.XXX) *:

Start kartsyn. Tegn utsnitt. Hent utsnitt fra kartsyn.

Side: 27 av 30 Ord: 7 651 Norsk (bokmål)

start Synchroni... Office Co... 5 Intern... 2 Micros... Norske Me... ISO DRAF... Metadata... Microsoft ... Search Desktop NO 11:03

Norge_digitalt_Metaddata registrering (Kompatibilitetsmodus) - Microsoft Excel

Hjem Sett inn Sideoppsett Formler Data Se gjennom Visning

Standard

Betinget formatering Formater som tabell Cellestiler Sett inn Slett Format

Autosummer Fyll Fjern Sorter og filter Søk etter og merk

Other information:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
4		Metadata responsible												
5														
6		Name of organization :	*	<input type="text" value="Fylkesmannen i Rogaland"/>										
8		Contact Person:	*	<input type="text" value="Fmrogalan"/>										
10		Adresse:		<input type="text" value="P o box 59"/>										
12		City:		<input type="text" value="Stavanger"/>										
14		Post Address:		<input type="text" value="4001"/>										
16		Country:		<input type="text" value="Norge"/>										
18		Phone:	*	<input type="text" value="51568973"/>										
19		Telefax:		<input type="text"/>										
20		E-post:	*	<input type="text" value="hans_ole_orka@fmro.no"/>										
21														
22														
23														
24		Identification of datasets and services												
25														
26														
27														
28		Name of organization :		<input type="text" value="Arealis Rogaland"/>										
29		Title/name of service/dataset :	*	<input type="text" value="Arealis Portal Rogaland"/>										
30		Version:		<input type="text"/>										
31		Presentasjonsform :		<input type="text" value="Digitalt kart"/>										
32		Name of organization (distributor) :	*	<input type="text" value="Arealis Rogaland"/>										rolle=utgiver ?
33		Release (possted):		<input type="text" value="Rogaland Fylke"/>										
34		Release data yyyyymmdd:	*	<input type="text"/>										
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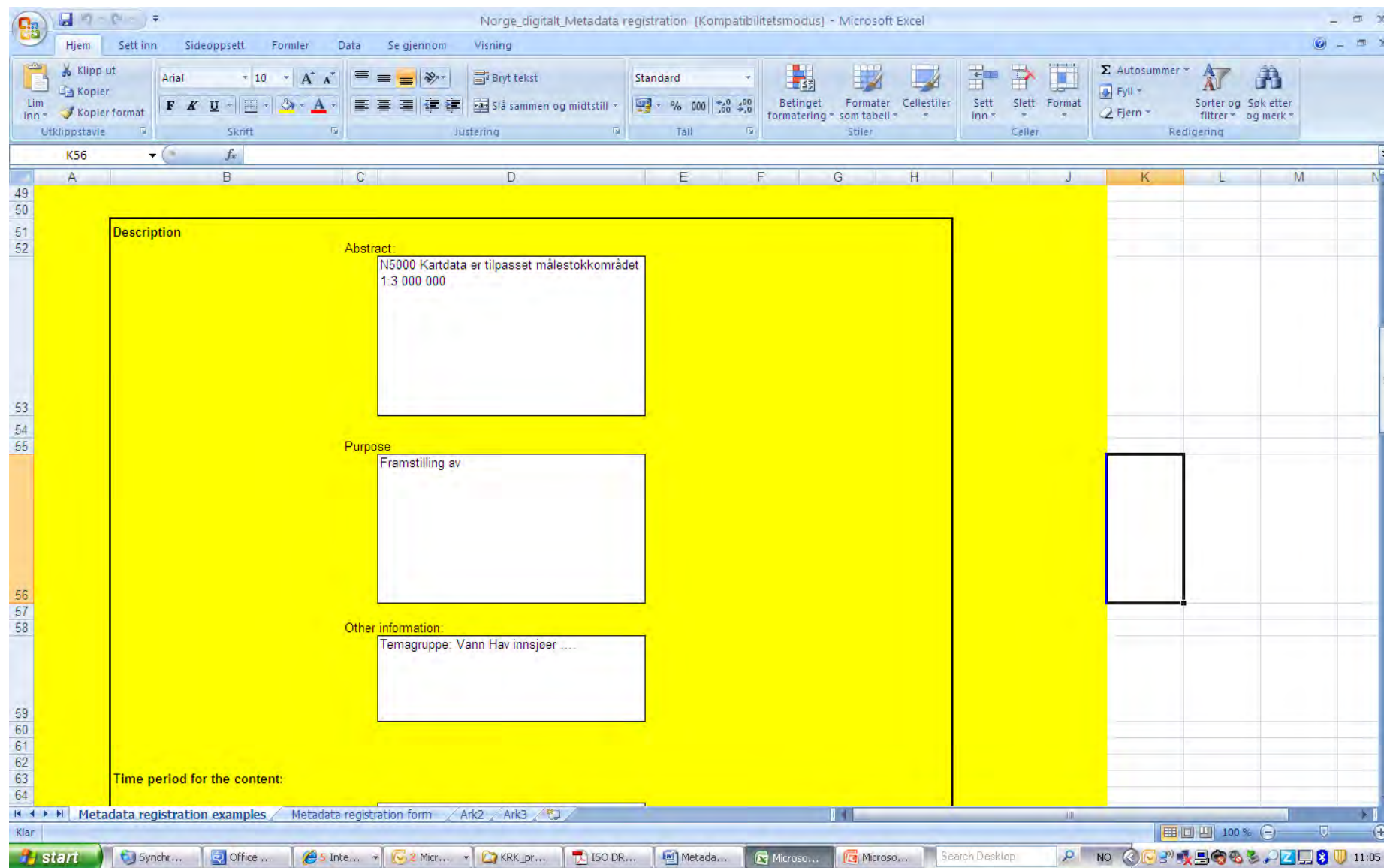
Here you input information on your organization and about you who enter the metadata

Metadata registration examples Metadata registration form Ark2 Ark3

Klar

100%

start Synchr... Office ... Inte... Micr... KRK_pr... ISO DR... Metada... Microso... Search_Desktop NO 11:04



Norge_digitalt_Metaddata registrering - (Kompatibilitetsmodus) - Microsoft Excel

Hjem Sett inn Sideoppsett Formler Data Se gjennom Visning

Lim inn Kopier format Utklippstavle

Arial 10

Bryt tekst

Standard

Betinget formatering Formater som tabell Cellestiler

Sett inn Slett Format

Autosummer Fyll Fjern

Sorter og filter Søk etter og merk

K56

49
50
51
52

Description

Abstract
N5000 Kartdata er tilpasset målestokkområdet
1:3 000 000

Purpose
Framstilling av

Other information
Temagruppe: Vann Hav innsjøer ...

53
54
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Time period for the content:

Metadata registration examples Metadata registration form Ark2 Ark3

Klar

start Synchr... Office ... 5 Inte... 2 Micr... KRK_pr... ISO DR... Metada... Microso... Microso... Search Desktop NO 11:05

ISO DRAFT FDIS_19115.pdf - Adobe Reader

File Edit View Document Tools Window Help

112 / 224 103% Find

B.5.27 MD_TopicCategoryCode << Enumeration >>

	Name	Domain code	Definition
1.	MD_TopicCategoryCode	TopicCatCd	high-level geographic data thematic classification to assist in the grouping and search of available geographic data sets. Can be used to group keywords as well. Listed examples are not exhaustive. NOTE It is understood there are overlaps between general categories and the user is encouraged to select the one most appropriate.
2.	farming	001	rearing of animals and/or cultivation of plants Examples: agriculture, irrigation, aquaculture, plantations, herding, pests and diseases affecting crops and livestock
3.	biota	002	flora and/or fauna in natural environment Examples: wildlife, vegetation, biological sciences, ecology, wilderness, sealife, wetlands, habitat
4.	boundaries	003	legal land descriptions Examples: political and administrative boundaries
5.	climatologyMeteorologyAtmosphere	004	processes and phenomena of the atmosphere Examples: cloud cover, weather, climate, atmospheric conditions, climate change, precipitation
6.	economy	005	economic activities, conditions and employment Examples: production, labour, revenue, commerce, industry, tourism and ecotourism, forestry, fisheries, commercial or subsistence hunting, exploration and exploitation of resources such as minerals, oil and gas
7.	elevation	006	height above or below sea level Examples: altitude, bathymetry, digital elevation models, slope, derived products
8.	environment	007	environmental resources, protection and conservation Examples: environmental pollution, waste storage and treatment, environmental impact assessment, monitoring environmental risk, nature reserves, landscape
9.	geoscientificInformation	008	information pertaining to earth sciences Examples: geophysical features and processes, geology, minerals, sciences dealing with the composition, structure and origin of the earth's rocks, risks of earthquakes, volcanic activity, landslides, gravity information, soils, permafrost, hydrogeology, erosion
10.	health	009	health, health services, human ecology, and safety Examples: disease and illness, factors affecting health, hygiene, substance abuse, mental and physical health, health services

Taskbar: start, Synchr..., Office..., Inte..., Micr..., KRK_pr..., ISO DR..., Meta..., Micro..., Search Desktop, NO, 11:08