

## STORAGE SITE - SLEIPNER (NORWAY)

2011 - CONFERENCE PROCEEDING - DORE, A.G. & VINING, B. (EDS) PETROLEUM GEOLOGY: NORTH WEST EUROPE AND GLOBAL PERSPECTIVES - PROCEEDINGS OF THE 7TH PETROLEUM GEOLOGY CONFERENCE. PETROLEUM GEOLOGY CONFERENCES LTD. PUBLISHED BY THE GEOLOGICAL SOCIETY, LONDON, 1171-1182.

### History - matching flow simulations and time-lapse seismic data from the Sleipner CO2 plume

Chadwick, R.A. & Noy, D.J.

2011 - PAPER - SUBMITTED TO SIXTH TRONDHEIM CCS CONFERENCE.

### Measuring pressure performance of a large saline aquifer during industrial-scale CO2 injection: the Utsira sand

Chadwick, R.A., Williams, J.D.O. & Noy, D.J

2011 - PAPER - SUBMITTED TO EAGE VIENNA, 2011

### Improving monitoring with distributed impedance anamorphosis in inversion. Application to Sleipner-CO2 injection site

Vincent Clochard & Michel Leger

2010 - CONFERENCE PROCEEDING - CO2 GEOLOGICAL STORAGE WORKSHOP/ 72ND EAGE CONFERENCE & EXHIBITION INCORPORATING SPE EUROPEC 2010, BARCELONA, SPAIN.

### Time-lapse seismic AVP analysis on the Sleipner CO2 storage monitoring data using CFP processing

Neele, F.P. and Arts, R.J.

2010 - CONFERENCE PROCEEDING - EAGE CO2 GEOLOGICAL STORAGE WORKSHOP 2010 AND PROCEEDINGS

### 4D Joint pre-stack seismic stratigraphic inversion of the Sleipner-CO2 case

Delépine, N. Labat, K. Clochard, V. Ricatre, P. and Le Bras, C.

2010 - ARTICLE - THE LEADING EDGE, 29/2, p170-177

### **Quantitative analysis of time-lapse seismic monitoring at the Sleipner CO2 storage operation**

Chadwick A. (BGS), Clochard V., Delépine N., Labat K. (IFP), Sturton S., Buddensiek M.L., Dillen M. (SINTEF), Nickel M., Lima A.L. (Schlumberger), Williams G. (BGS), Neele F., Arts R. (TNO), Rossi G. (OGS)

2010 - CONFERENCE PROCEEDING - FIRST BREAK 28/ 1

### **CO2 plume imaging using 3D pre-stack stratigraphic inversion: A case study on the Sleipner field**

Clochard V., Delépine N., Labat K. and Ricarte P.

2010 - REVIEW - GEOPHYSICAL PROSPECTING, VOLUME 59/1, PAGES 132-144

### **Post-stack stratigraphic inversion workflow applied to carbon dioxide storage: application to the saline aquifer of Sleipner field**

Delépine N., Clochard V., Labat K., Ricarte P.

2010 - REVIEW - CARBON DIOXIDE SEQUESTRATION IN GEOLOGICAL MEDIA - STATE OF THE SCIENCE. AAPG STUDIES IN GEOLOGY 59, 521-543

### **Laboratory study of gas and water flow in the Nordland Shale, Sleipner, North Sea**

Harrington, J.F., Noy, D.J., Horseman, S.T., Birchall, D.J. & Chadwick, R.A.

2010 - CONFERENCE PROCEEDING - 72ND EAGE CONFERENCE & EXHIBITION INCORPORATING SPE EUROPEC 2010, BARCELONA, SPAIN

### **AVO analysis of thin layers: Application to CO2 storage at Sleipner**

Sturton, S. Buddensiek, M.L. Dillen, M

2010 - CONFERENCE PROCEEDING - PROCEEDINGS OF THE 10TH INTERNATIONAL CONFERENCE ON GREENHOUSE GAS CONTROL TECHNOLOGIES, AMSTERDAM, ENERGY PROCEDIA, ELSEVIER

### **Layer spreading and dimming within the CO<sub>2</sub> plume at the Sleipner field in the North Sea**

Boait F, White, N., Chadwick, A, Noy, D & Bickle, M.

2010 - REVIEW - (IN PRESS). OIL & GAS SCIENCE AND TECHNOLOGY

### **4D joint stratigraphic inversion of prestack seismic data: Application to the CO<sub>2</sub> storage reservoir (Utsira sand formation) at Sleipner site**

Labat, K. Delépine, N. Clochard V. and Ricarte P.

2009 - CONFERENCE PROCEEDING - 79TH SEG ANNUAL MEETING, OCTOBER 2009, HOUSTON, TX,USA

### **Poststack versus prestack stratigraphic inversion for CO<sub>2</sub> monitoring purposes: A case study for the saline aquifer of the Sleipner Field**

Clochard V., Delépine N., Labat K. and Ricarte P.

2009 - PAPER - ENERGY PROCEDIA. GREENHOUSE GAS CONTROL TECHNOLOGIES 9, PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON GREENHOUSE GAS CONTROL TECHNOLOGIES (GHGT-9), 16-20 NOVEMBER 2008, WASHINGTON DC, USA

### **CO<sub>2</sub> streams containing associated components - A review of the thermodynamic and geochemical properties and assessment of some reactive transport codes**

Jacquemet, N., Le Gallo, Y., Estublier, A., Lachet, V., von Dalwigk, I., Yan, J., Azaroual, M. and Audigane P.

2009 - PAPER - WORKSHOP: MODELING AND RISK ASSESSMENT OF GEOLOGICAL STORAGE OF CO<sub>2</sub>, AUGUST 3 - 7, 2009, LONGYEARBYEN, SVALBARD (POSTER)

### **Short term reactive multiphase flow modelling for performance assessment of CO<sub>2</sub> storage at Sleipner, North Sea**

Géraldine Colbeaux-Picot, Frédéric Mathurin, Per Eirik Bergmo and Pascal Audigane

2011 - PAPER - GEOPHYSICS, VOL. 76, NO. 3 (MAY-JUNE 2011); P. R57-R67

**Seismic characterization of thin beds containing patchy carbon dioxide-brine distributions**

J.G. Rubino and D.R. Velis

2009 - PAPER - SUBMITTED TO JOURNAL OF APPLIED GEOPHYSICS, SEPTEMBER 2009

**AVA seismic reflectivity analysis in carbon dioxide accumulations**

Claudia L. Ravazzoli and Julian Gómez

2009 - PAPER - PRESENTED AT 24TH REUNIÓN CIENTÍFICA DE LA ASOCIACIÓN ARGENTINA DE GEOFÍSICOS Y GEODESTAS, MENDOZA, ARGENTINA, 14-17 APRIL 2009. EXPANDED ABSTRACTS IN CD-ROM (5 PAGES)

**Theoretical AVA analysis for geological CO<sub>2</sub> sequestration**

J. L. Gomez and C. L. Ravazzoli

2009 - PAPER - 71ST EAGE CONFERENCE & EXHIBITION, AMSTERDAM, THE NETHERLANDS.

**Stratigraphic inversion for CO<sub>2</sub> monitoring purposes: a case study for the saline aquifer of Sleipner field**

Authors: Nicolas Delépine, Vincent Clochard, Karine Labat, Patrice Ricarte, Christian Le Bras

2009 - ARTICLE - PROCEEDINGS OF THE GREENHOUSE GAS CONTROL TECHNOLOGIES 9. ENERGY PROCEDIA 1. ELSEVIER, 2103 - 2110

**Latest time-lapse seismic data from Sleipner yield new insights into CO<sub>2</sub> plume development**

R.A. Chadwick, D. Noya, R. Artsb, O. Eiken - GHGT9

2008 - ARTICLE - FIRST BREAK

**Ten years' experience of monitoring CO<sub>2</sub> injection in the Utsira Sand at Sleipner, offshore Norway**

Rob Arts, Andy Chadwick, Ola Eiken, Sylvain Thibeau, and Scott Nooner