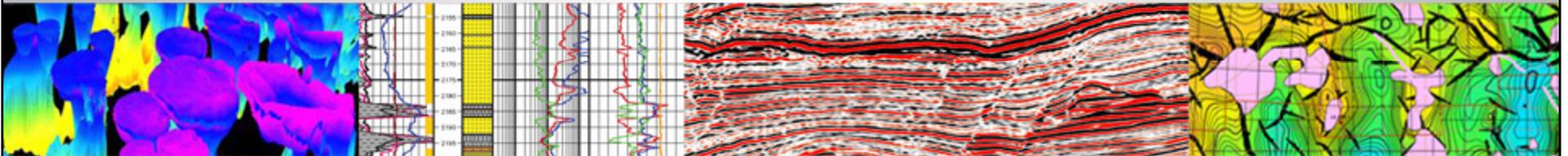


Earnings Release Q4 2010

Kristian K. Johansen
Chief Financial Officer

Robert Hobbs
Chief Executive Officer



Forward-Looking Statements

All statements in this presentation other than statements of historical fact, are forward-looking statements, which are subject to a number of risks, uncertainties, and assumptions that are difficult to predict and are based upon assumptions as to future events that may not prove accurate. These factors include TGS' reliance on a cyclical industry and principal customers, TGS' ability to continue to expand markets for licensing of data, and TGS' ability to acquire and process data products at costs commensurate with profitability. Actual results may differ materially from those expected or projected in the forward-looking statements. TGS undertakes no responsibility or obligation to update or alter forward-looking statements for any reason.

Q4 2010 Financial Highlights

- Net revenues were 177.6 MUSD, up 13% from Q4 2009
 - Net late sales of 142.1 MUSD were up 10% from last year
 - Net pre-funding of 26.2 MUSD were up 42%, funding 66% of TGS' operational multi-client investment for the quarter (39.5 MUSD)
- Average amortization rate for the multi-client library was 40% compared to 37% in Q4 2009
- Operating profit for the fourth quarter was 81.4 MUSD, 46% of net revenues. This is up 6% from Q4 2009
- Cash flow from operations before multi-client investments was 119.1 MUSD, up 55% from Q4 2009
- The Company bought back 418,401 shares in the market for 7.8 MUSD

Q4 2010 Income Statement

	Q4 2010	Q4 2009	Change	%
Net Operating Revenues	177.6	157.8	19.8	13%
COGS - Proprietary & Other	3.1	2.5	0.5	21%
MC Amortization 40%	68.1	54.0	14.1	26%
Gross Margin	106.4	101.2	5.2	5%
Other Operating Expenses	23.4	21.2	2.2	10%
Cost of Stock Options	0.3	0.8	(0.4)	-56%
Depreciation	1.3	2.2	(0.9)	-41%
Operating Profit 46%	81.4	77.0	4.3	6%
Net Financial Items	(0.6)	0.2	(0.8)	-489%
Pre-tax Profit 45%	80.7	77.2	3.6	5%
Taxes	24.1	18.4	5.7	31%
Net Income 32%	56.6	58.7	(2.1)	-4%
EPS, Undiluted	0.55	0.57	(0.02)	-3%
EPS, Fully Diluted	0.54	0.56	(0.02)	-3%

Q4 2010 Cash Flow Statement

	Q4 2010	Q4 2009
Payments from Sales Received	150.5	103.8
Operational Costs Paid	(23.3)	(20.2)
Gain/(Loss) from Currency Exchange	(1.2)	0.1
Taxes Paid	(7.0)	(6.7)
Operational Cash Flow	119.1	77.0
Investments in Fixed Assets	(2.3)	(7.0)
Investments in Multi-Client	(34.0)	(58.5)
Net Cash from Mergers and Acquisitions	-	(0.9)
Net Change in Short-term Investments & Deposits	4.2	4.2
Interest Received	0.1	0.8
Interest Paid	(0.0)	(0.1)
Purchase of Own Shares	(7.8)	-
Paid in Equity	1.0	3.2
Change in Cash Balance	80.3	18.8

2010 Financial Highlights

- Net revenues were 568.3 MUSD, up 19% from 2009
 - Net late sales of 380.3 MUSD were up 18% from last year
 - Net pre-funding of 162.7 MUSD were up 31%, funding 55% of TGS' operational multi-client investment in 2010 (295.3 MUSD)
- Average amortization rate for the multi-client library was 46% compared to 40% in 2009
- Operating profit for full year 2010 was 227.1 MUSD, 40% of net revenues. This is up 8% from 2009
- Cash flow from operations before multi-client investments was 408.8 MUSD, up 25% from 2009
- The Company paid a dividend of NOK 4 per share and bought back 1,758,401 shares in the market for 31.9 MUSD. Treasury shares cancelled in 2010 totalled 950,450

2010 Income Statement

	12M 2010	12M 2009	Change	%
Net Operating Revenues	568.3	477.7	90.6	19%
COGS - Proprietary & Other	5.0	8.4	(3.4)	-41%
MC Amortization 46%	247.9	176.7	71.2	40%
Gross Margin	315.4	292.6	22.8	8%
Other Operating Expenses	76.1	70.7	5.4	8%
Cost of Stock Options	2.4	3.0	(0.6)	-19%
Depreciation	9.8	8.7	1.1	13%
Operating Profit 40%	227.1	210.2	16.9	8%
Net Financial Items	0.6	9.0	(8.3)	-93%
Pre-tax Profit 40%	227.7	219.2	8.5	4%
Taxes	72.0	56.7	15.2	27%
Net Income 27%	155.8	162.5	(6.7)	-4%
EPS, Undiluted	1.52	1.58	(0.06)	-4%
EPS, Fully Diluted	1.49	1.56	(0.07)	-4%

2010 Cash Flow Statement

	12M 2010	12M 2009
Payments from Sales Received	549.6	443.9
Operational Costs Paid	(79.9)	(77.9)
Gain/(Loss) from Currency Exchange	(1.4)	4.2
Taxes Paid	(59.6)	(44.1)
Operational Cash Flow	408.8	326.1
Investments in Fixed Assets	(4.8)	(9.6)
Investments in Multi-Client	(271.3)	(238.5)
Net Cash from Mergers and Acquisitions	(3.6)	(0.9)
Interest Received	1.5	3.2
Net Change in Short-term Investments & Deposits	6.8	54.3
Net Change in Short-term Loans	-	(44.1)
Interest Paid	(0.0)	(0.6)
Payment of Dividend	(64.7)	-
Purchase of Own Shares	(31.9)	-
Paid in Equity	6.0	5.2
Change in Cash Balance	46.7	95.2

Balance Sheet

	31 Dec 2010	%	30 Sept 2010	%	31 Dec 2009	%
Assets						
Cash	290.2	24%	209.9	18%	243.5	21%
Investments Available for Sale	21.1	2%	24.6	2%	27.2	2%
Derivative Financial Instruments	0.4	0%	-	0%	-	0%
Other Current Assets	291.0	24%	308.6	27%	339.8	30%
Total Current Assets	602.7	50%	543.1	47%	610.5	53%
Intangible Assets and Deferred Tax Asset	81.5	7%	83.8	7%	87.3	8%
Other Non-current Assets	41.7	3%	-	0%	1.0	0%
MC Library	475.7	39%	503.3	44%	424.3	37%
Fixed Assets	15.2	1%	14.7	1%	21.2	2%
Total Assets	1,216.9	100%	1,144.8	100%	1,144.3	100%
Liabilities						
Current Liabilities	207.7	17%	203.0	18%	231.6	20%
Long-term Liabilities	12.7	1%	-	0%	0.0	0%
Deferred Tax Liability	87.7	7%	82.9	7%	72.8	6%
Equity	908.8	75%	858.9	75%	839.9	73%
Total Liabilities and Equity	1,216.9	100%	1,144.8	100%	1,144.3	100%

* The Company holds no interest-bearing debt

Multi-Client Library

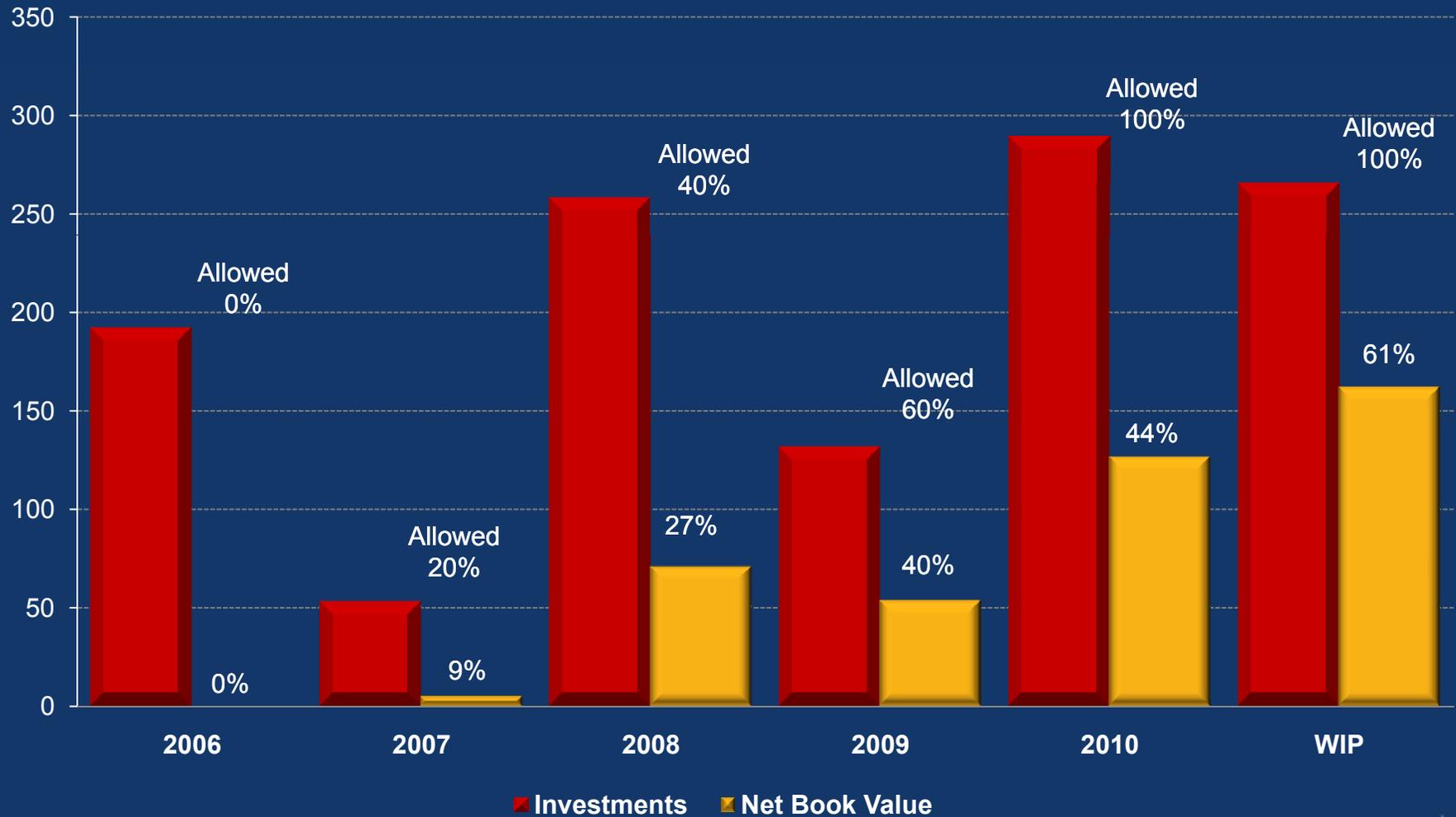


Accounting Principles for Multi-Client Library

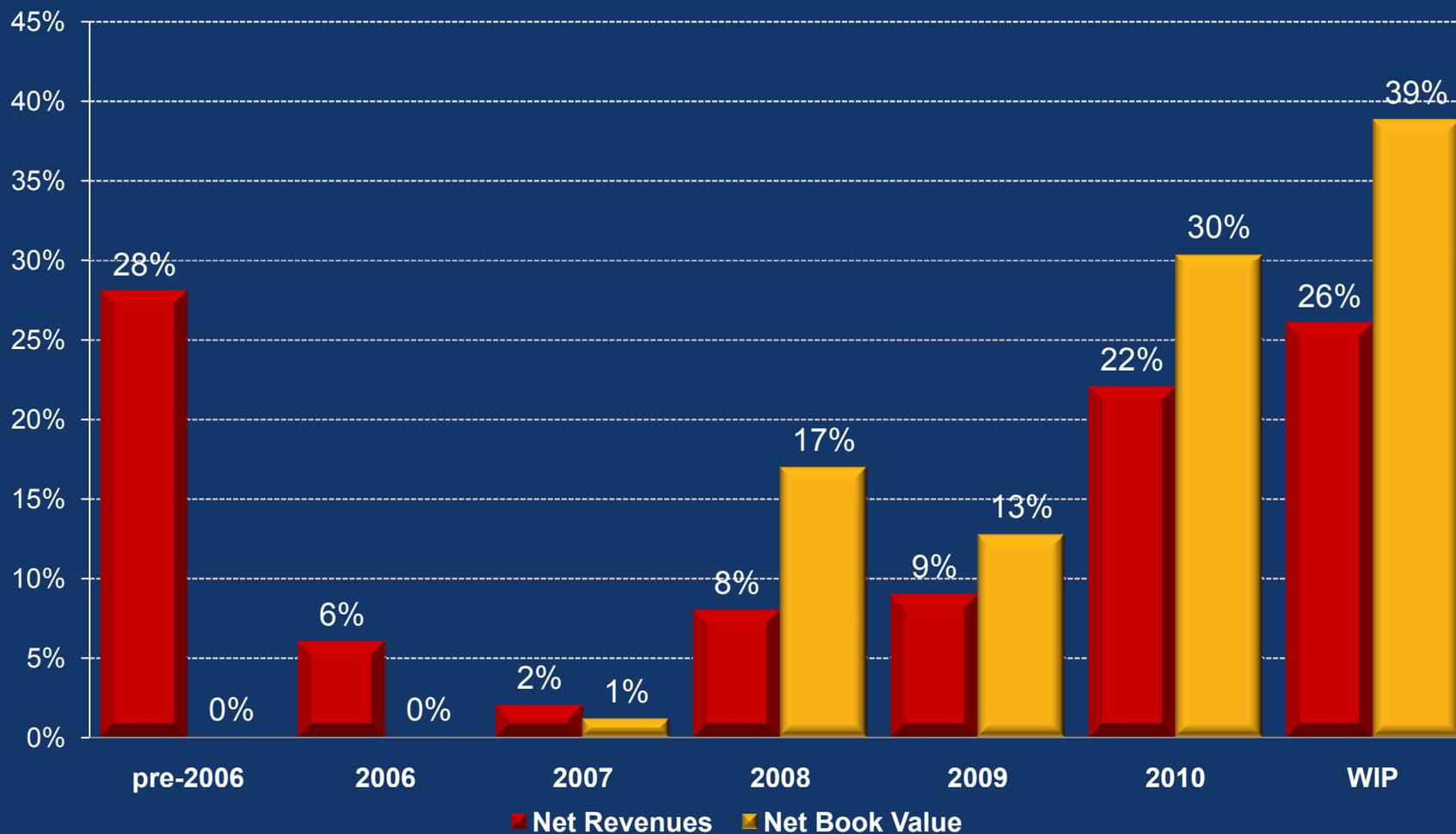
- Accounting standards recommend to match revenues and costs in time
- TGS capitalizes the direct costs of surveys as investments in the Balance Sheet and amortizes them over 5 years (including the first year – WIP) as a function of expected ratio sales/investment
- If sales are lower than expectations, a minimum amortization kicks in:
 - Maximum NBV one year after completion is 60%, then 40%, then 20%, then zero
 - At the end of the fourth year after survey completion, each survey is fully amortized

Net Book Value vs. Investments per Vintage

- in relation to allowed Net Book Value at year end



Net Revenues vs. Net Book Value per Vintage



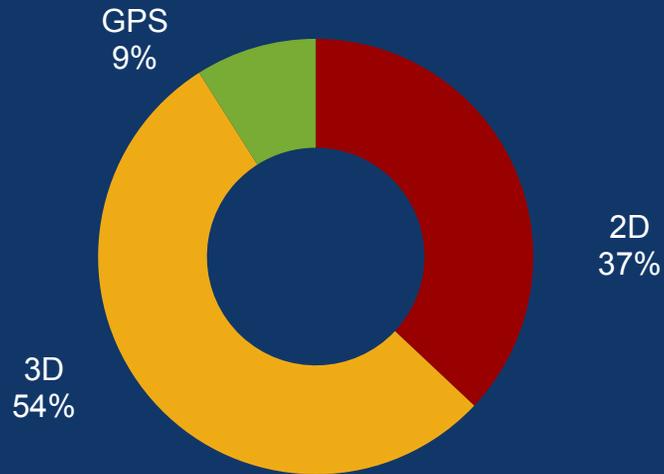
Operational Highlights

Robert Hobbs
Chief Executive Officer

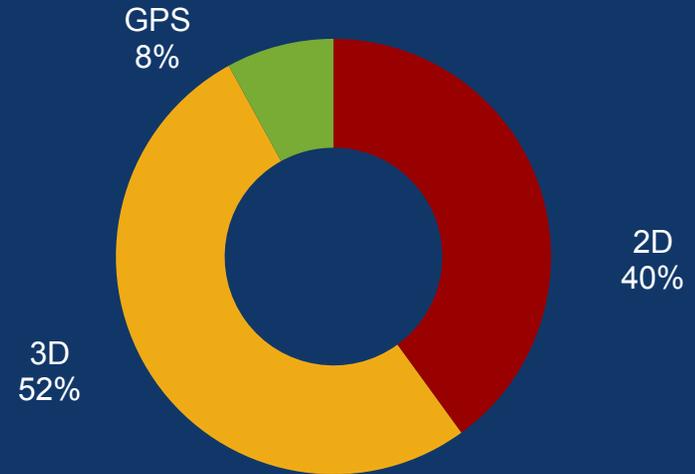


Net Revenue Breakdown

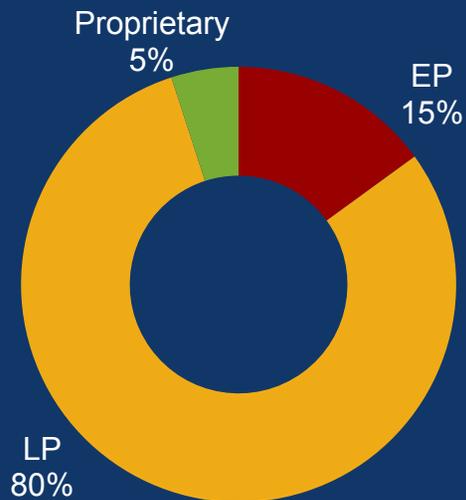
Q4 2010



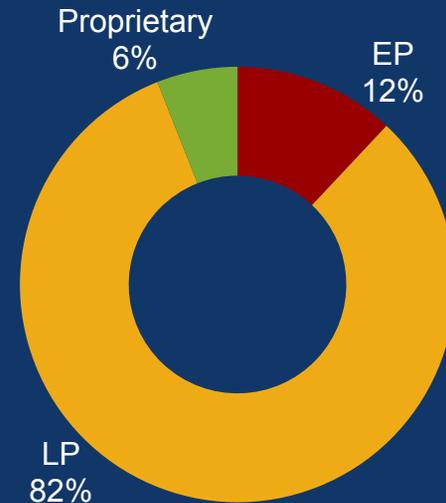
Q4 2009



Q4 2010

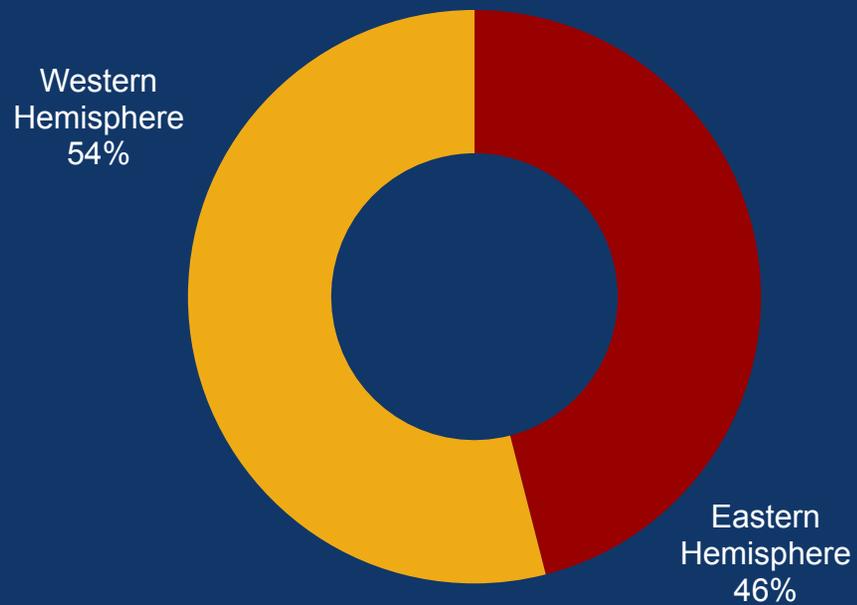


Q4 2009

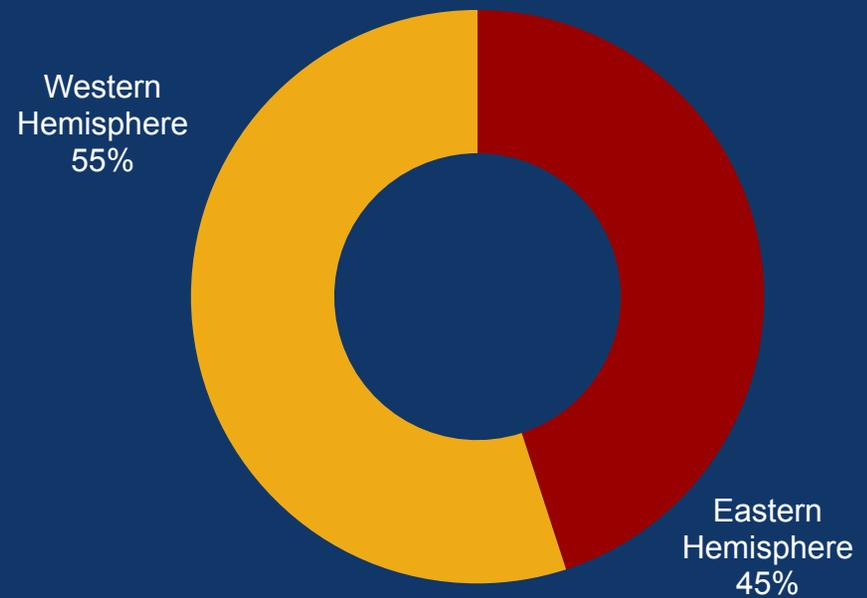


Net Revenue Breakdown

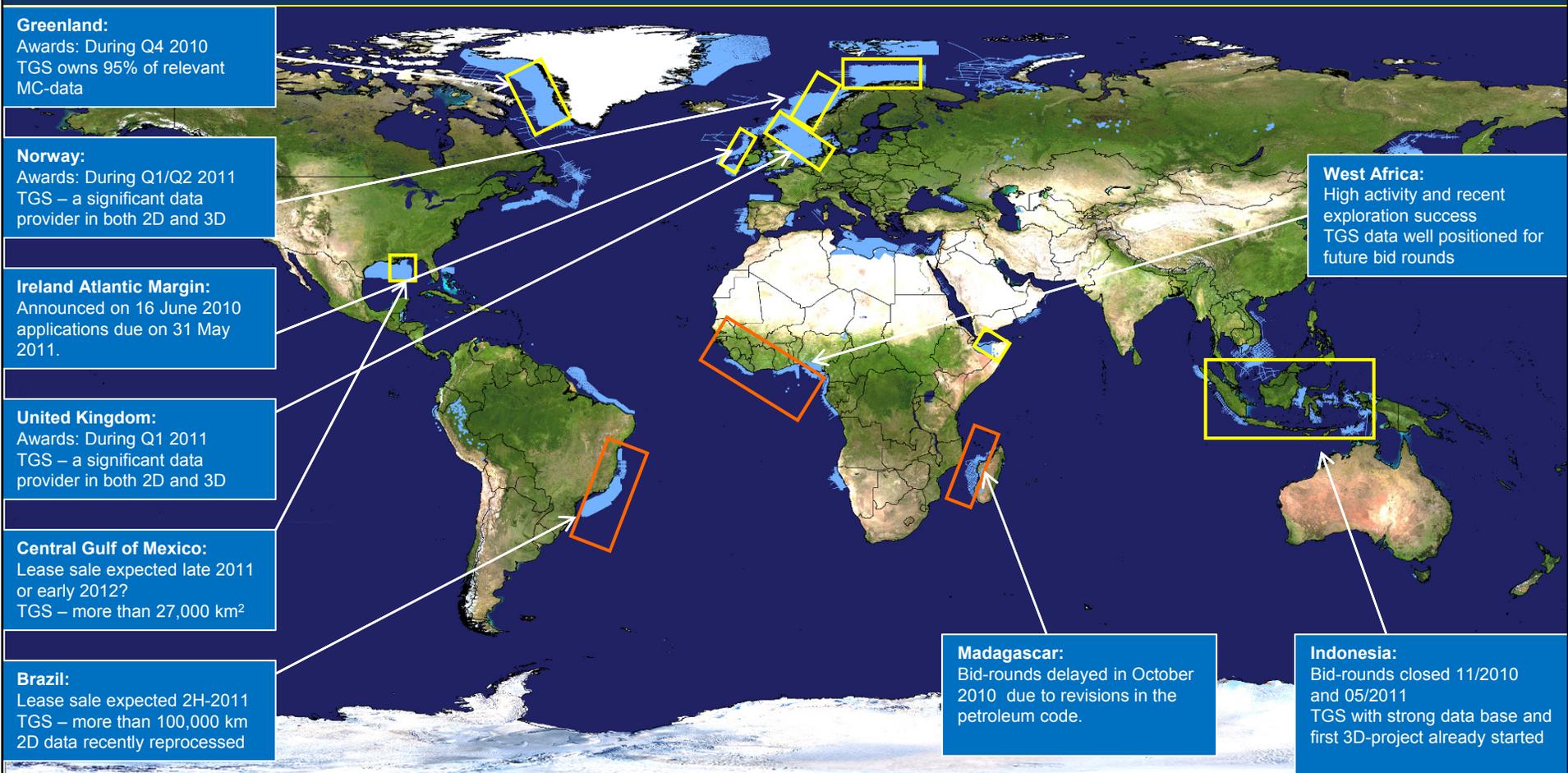
Q4 2010



Q4 2009



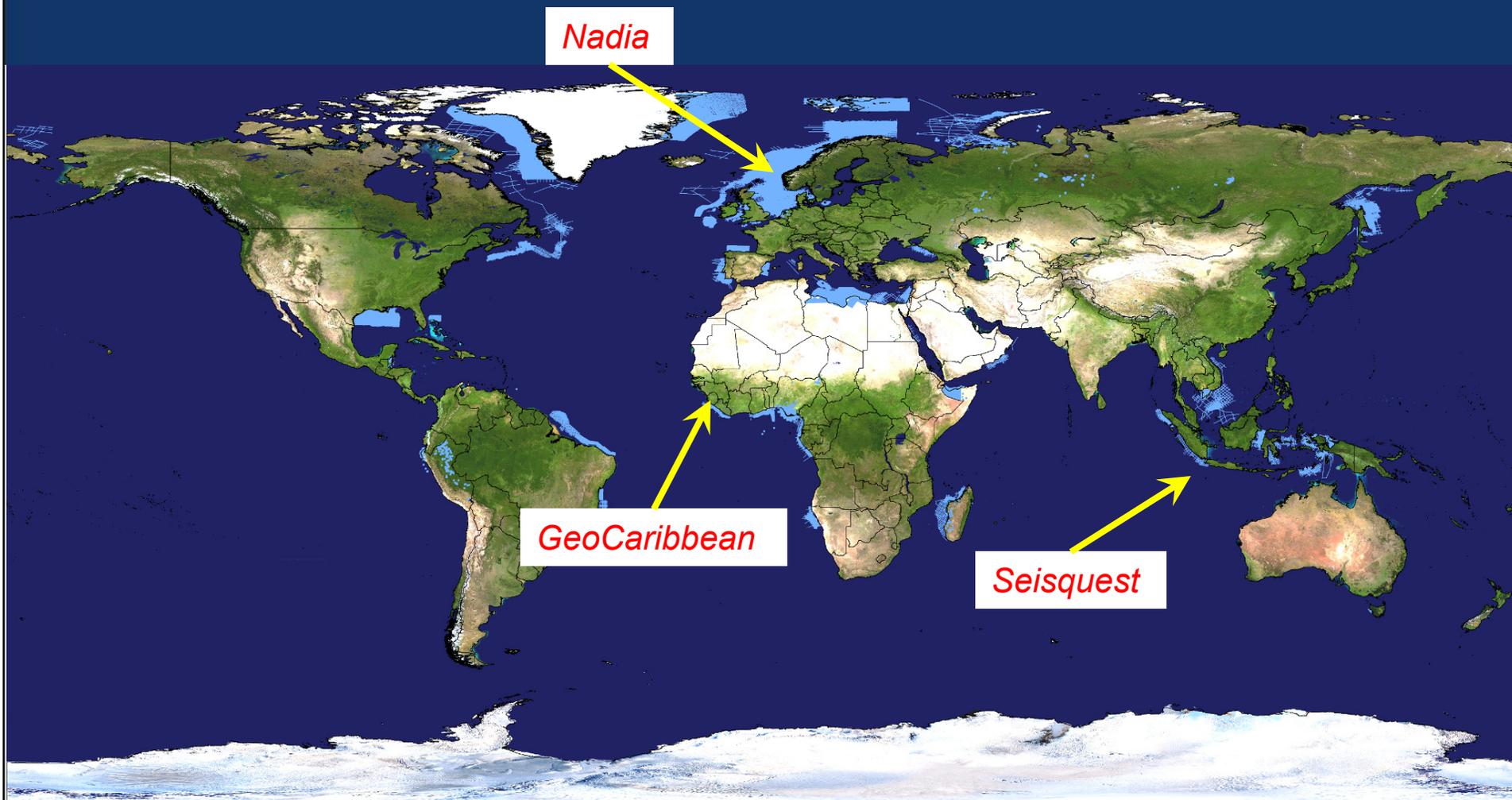
License Round Activity and TGS Positioning



Expected

Announced

Q4 2010 - 3D Operations

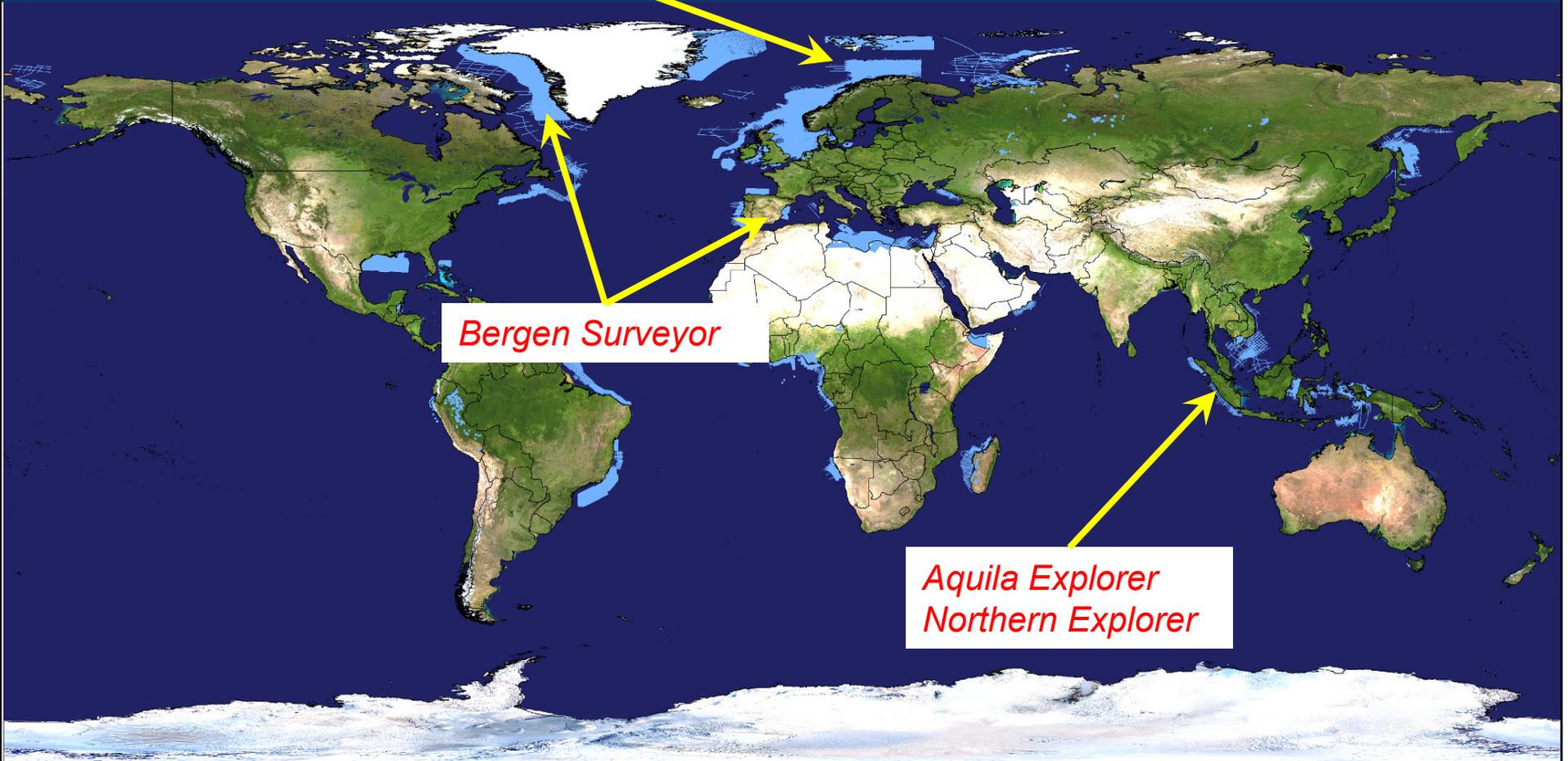


Q4 2010 - 2D Operations

Geo-Arctic

Bergen Surveyor

*Aquila Explorer
Northern Explorer*



Status on TGS' GOM WAZ Programs

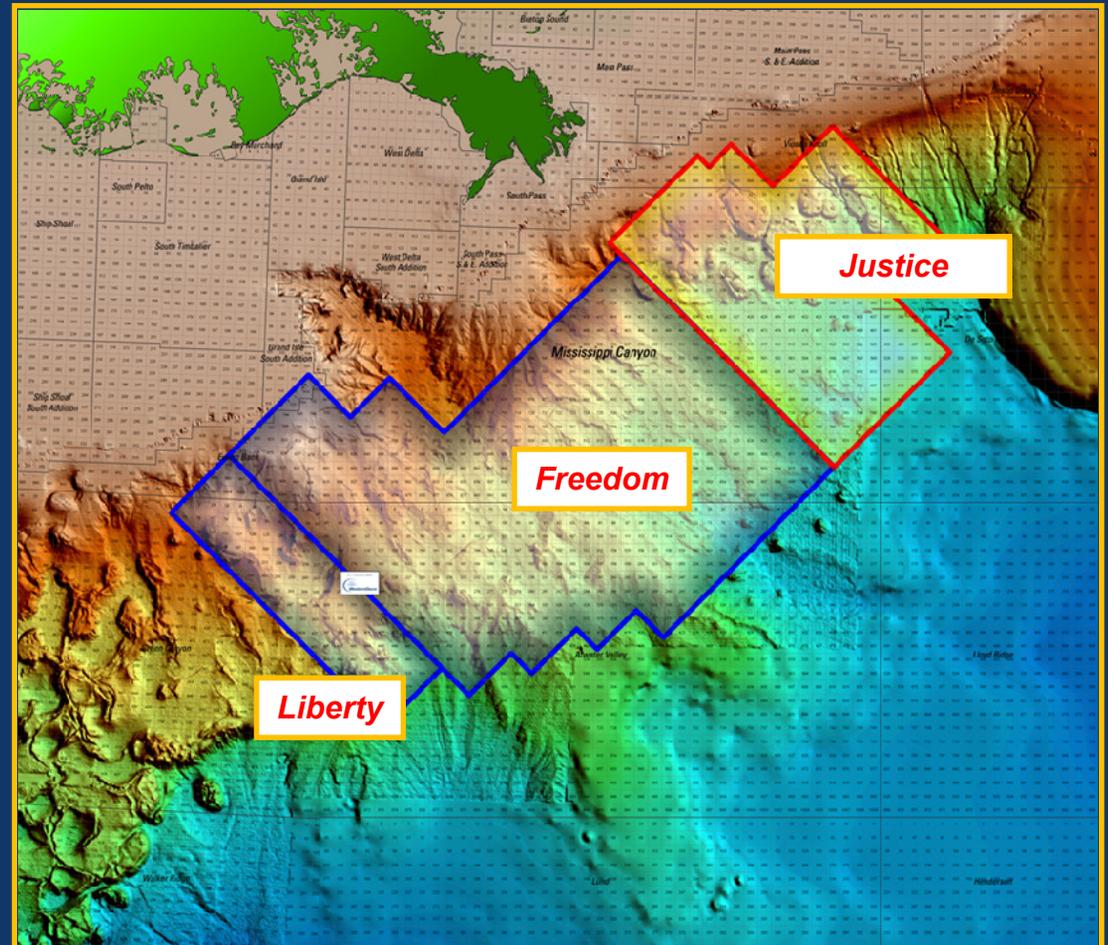
Constitution Project

TGS 50% owned

- Freedom – 16,600 km²
 - Complete in Q4
- Liberty – 3,050 km²
 - Processing to be complete Q2

TGS 100% owned

- Justice – 7,800 km²
 - Plan to return in Q2 /Q3 2011 to complete acquisition
 - Processing complete in Q4



Modern 2D Reprocessed Data in Brazil!

Brazil database

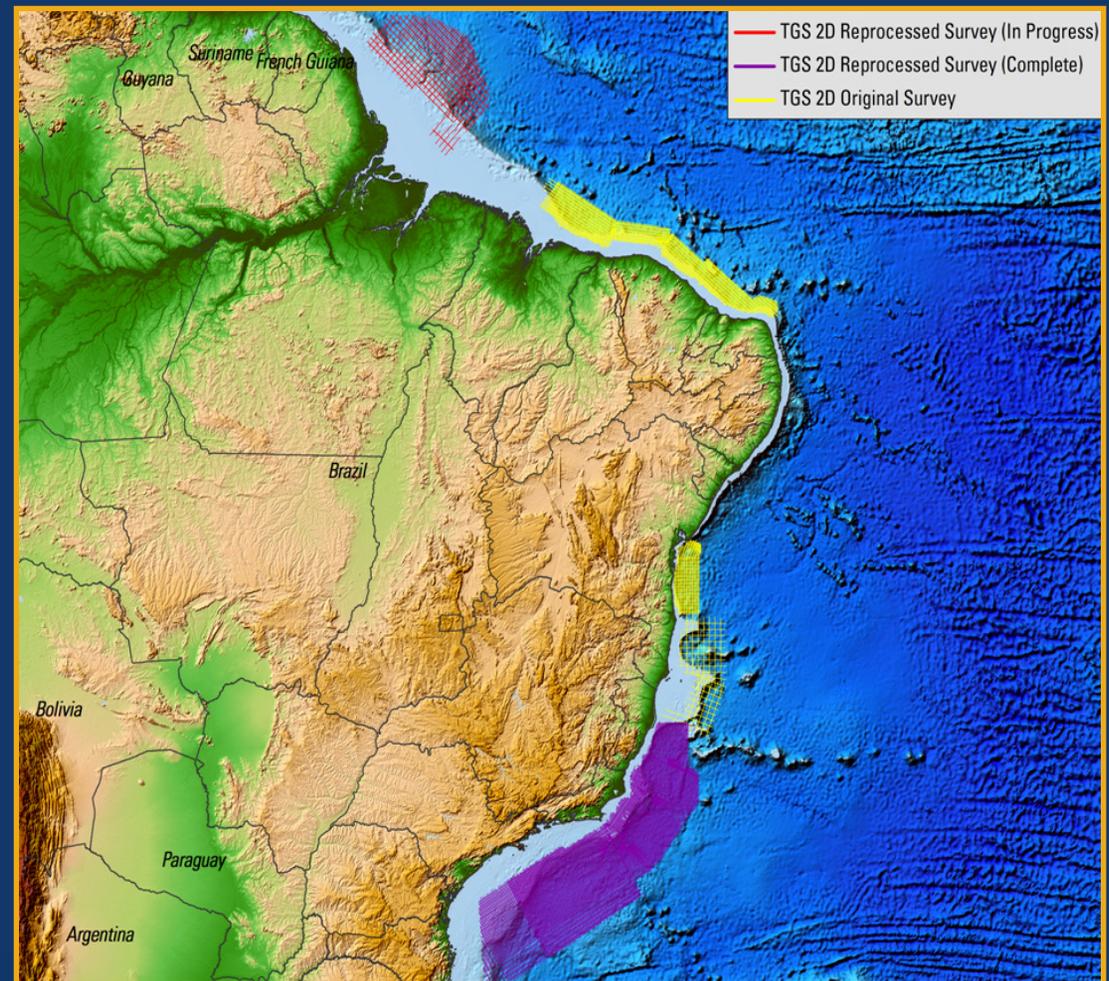
- ~ 200,000 km of data

Reprocessed data

- 128,000 km

Reprocessing in progress

- 16,000 km



The Africa Transform Margin Seismic Leader

Continued investment in the African Transform Margin since 2000

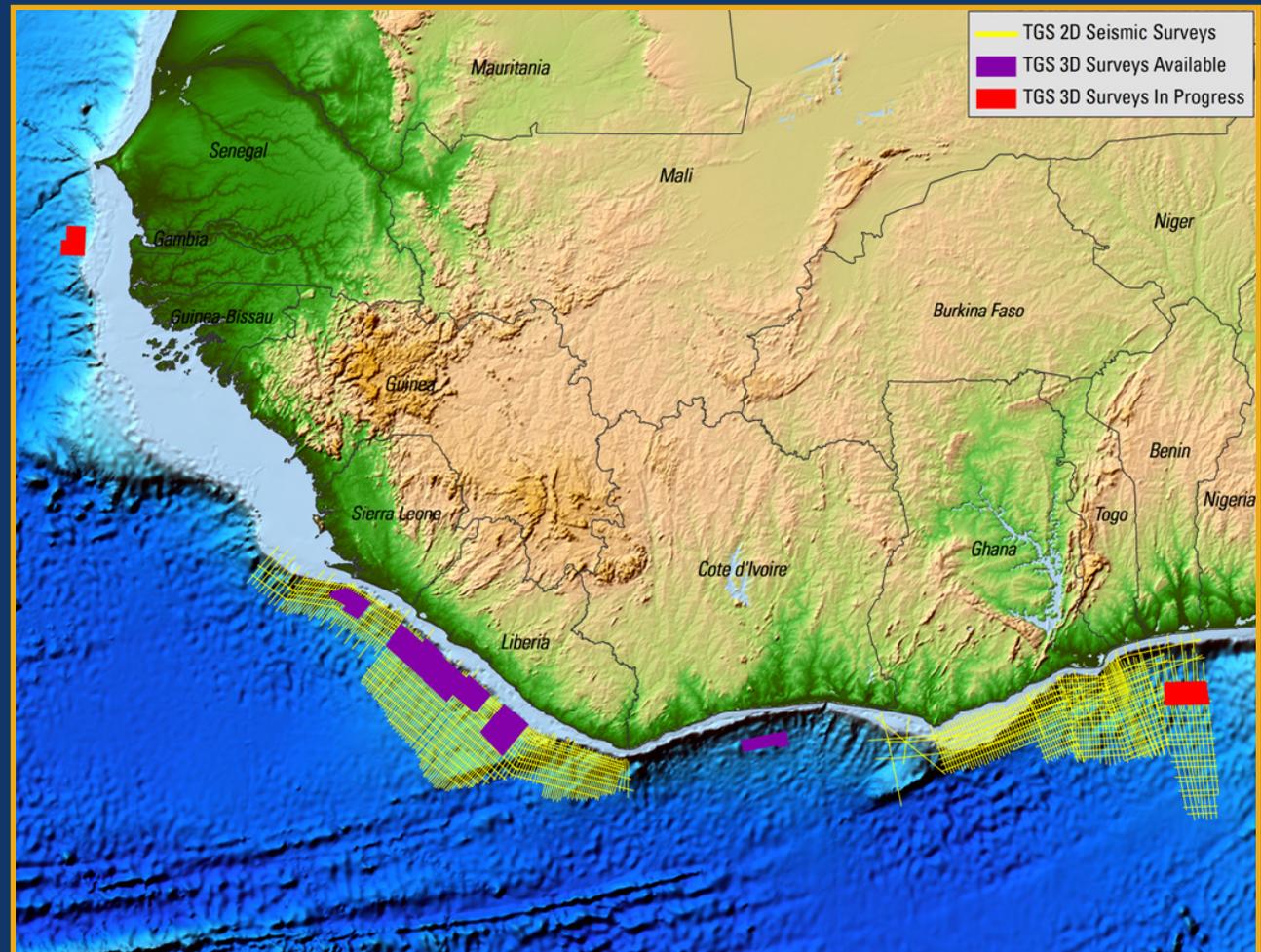
Recent exploration success in Sierra Leone and Ghana

2D Seismic Surveys

- Sierra Leone – 5,784 km
- Liberia – 24,773 km
- Ghana – 17,781 km
- Togo – 2,097 km
- Benin – 6,133 km

3D Seismic Surveys

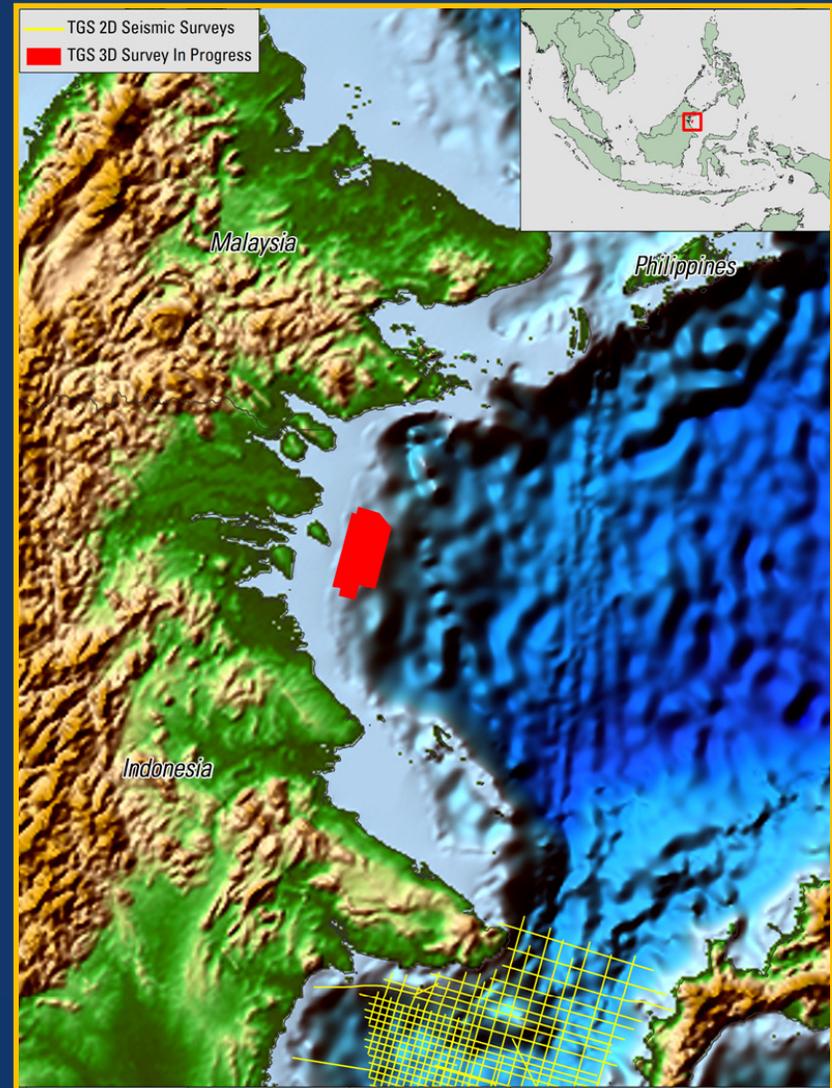
- Gambia - 2,566 km²
- Sierra Leone - 2,646 km²
- Liberia - 18,345 km²
- Cote d'Ivoire – 2,387 km²
- Benin – 4,000 km²



New 3D Data Library in Indonesia

Tarakan Basin 3D survey

- First TGS multi-client 3D in Indonesia
 - 1,600 km²
- Two new 2D projects
 - South Java Infill - 3,000 km
 - South Sumatra Infill – 2,700 km



Outlook



Global E&P Spending Expectations for 2011

- According to Barclays' 2011 E&P spending survey, global E&P expenditures will increase by 11% to 490 BUSD

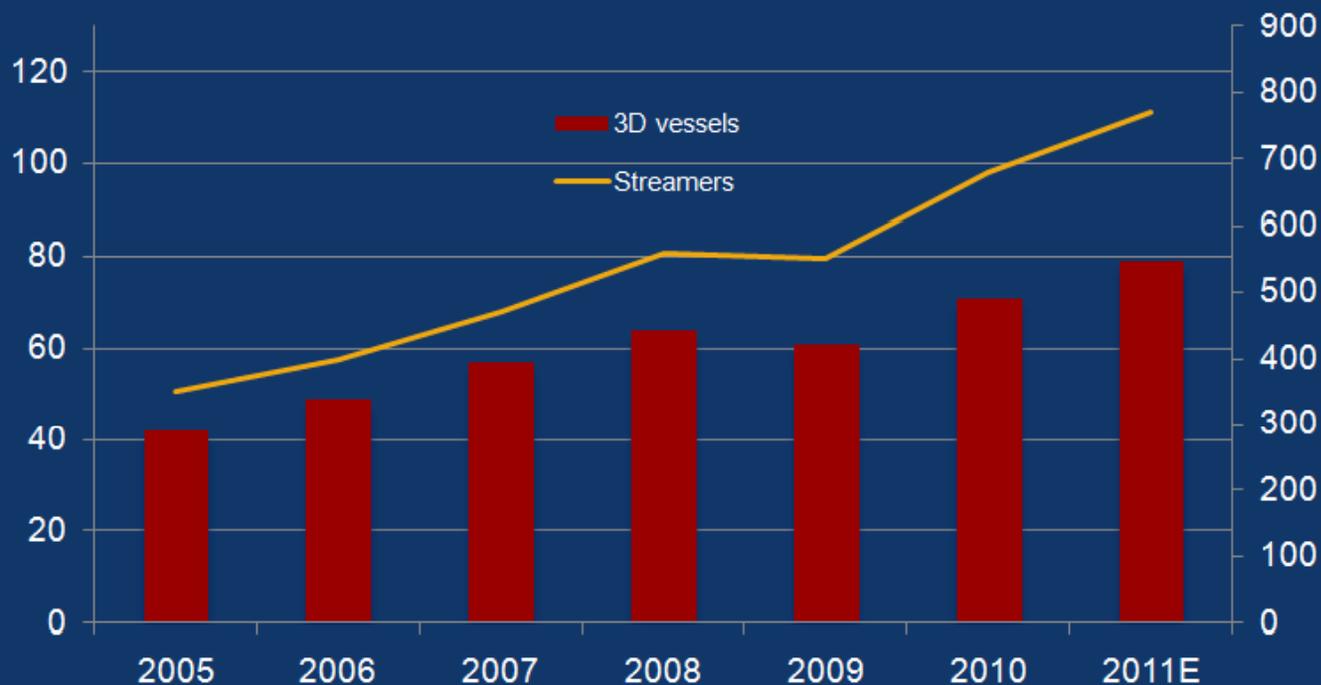
USD in millions	2011E	2010E	Y/Y % change
U.S. Spending	93,576	86,584	8.1%
Canadian spending	32,589	31,086	4.8%
International spending	363,345	324,099	12.1%
Worldwide spending	489,510	441,768	10.8%

- The average oil price on which companies are basing their 2011 E&P budgets is approximately 77.32 USD per barrel, while the price thresholds for reducing CapEx is 50 USD per barrel
- As E&P spending and seismic expenditures historically have been closely correlated, the 2011 E&P surveys set positive expectations for the seismic industry

Source: Barclays Capital estimates

Vessel Supply Growth Provides Support to Asset Light Business Model

Vessel and streamer count 2005 – 2011 estimates

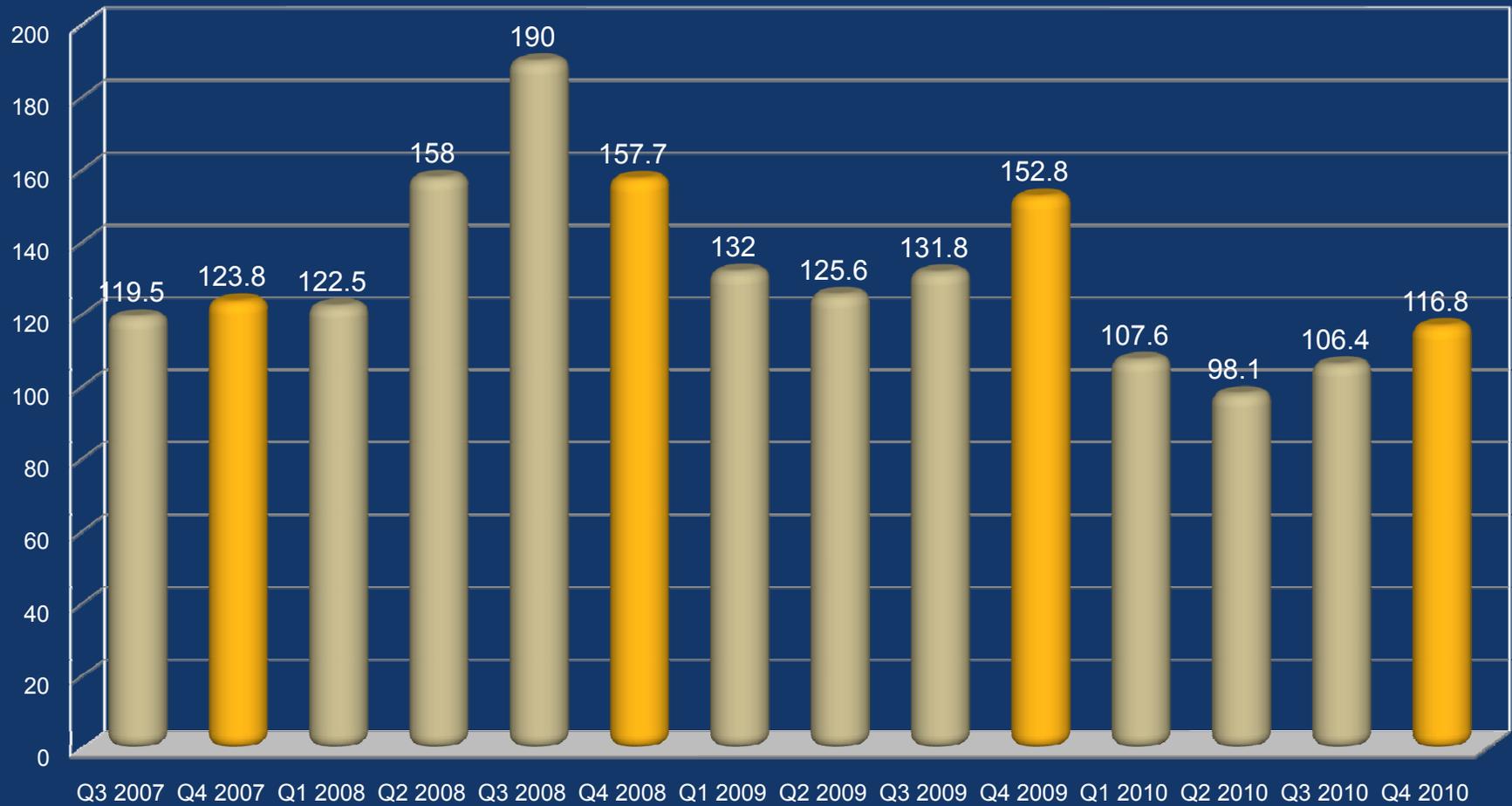


- Higher expectations for E&P and seismic expenditures facilitates for increased building activity and new entrants to the market
- No long-term vessel commitments made by TGS

2011 Outlook

- Promising E&P spending outlook for 2011 drives expected growth in seismic spend
- 2010 was a record high year for vessel building activity – new entrants expected to support continued capacity growth and stable rates
- TGS remains flexible with no long term vessel commitments
 - No significant rate changes expected
- Regulatory uncertainties in the GOM remain unsolved, but high activities in all other major regions support further investment growth
- Business model well suited to take advantage of attractive opportunities within new multi-client plays

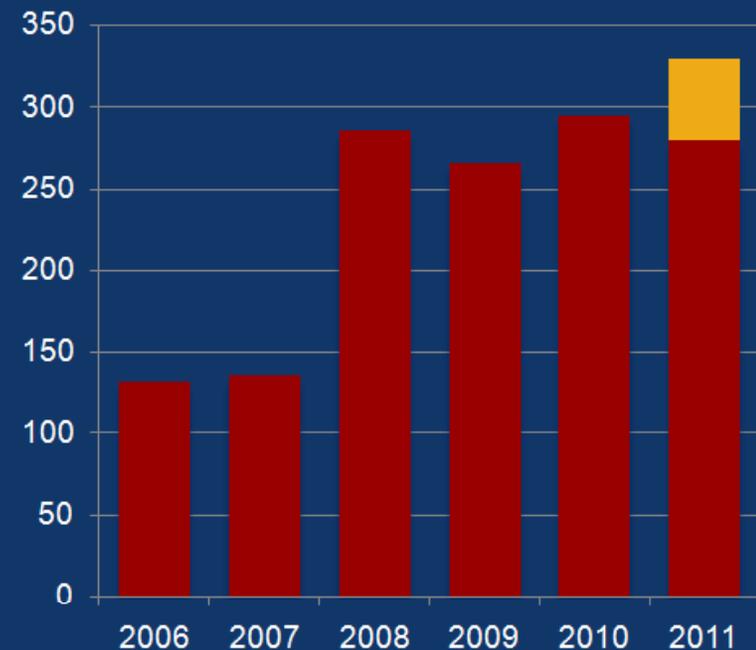
Backlog



2011 Investment Plans

- Strategy review during fall-2010 set clear targets for further profitable growth by applying successful multi-client business model in existing and new plays
- TGS plans to return to GOM in 2011 to complete Justice and is receiving pre-funding interest for other investment opportunities in the region
- Increased investments in international frontier basins such as Indonesia and West-Africa backed by high pre-funding rates
- High activity in the North Sea to position TGS for future license rounds
- Investment profile more back-loaded compared to previous years

Multi-Client Investments 2006 – 2011E



Expectations for 2011

- Multi-client investments 280 – 330 MUSD
- Average pre-funding 55 – 65%
- Average multi-client amortization rate 41 – 47%
- Net revenues 600 – 650 MUSD
- Contract revenues of approximately 5% of total revenues

TGS Proposes Increased Dividend Payout

- Board of Directors of TGS has decided to propose to the June 2011 Annual General Meeting a dividend of NOK 5 per share
 - Ordinary dividend increases from NOK 2 to NOK 3 per share
 - Non-recurring dividend of NOK 2 per share
- In addition, TGS intends to continue buying back shares in the market on an opportunistic basis

TGS Performs in all Cycles

Profit Margin (EBIT) versus Peer Group

