

**The *SIMDEX***  
**Future Pipeline Projects**  
**Worldwide Guide**

JULY 2010 STATISTICS

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**FUTURE PIPELINE PROJECTS**  
**(pipeline projects in the pre-construction phase)**

	number of projects		total length			average length	
			km	miles		km	miles
<b>North America</b>	<b>221</b>	27%	70 908	44 072	21%	321	199
<b>Latin America</b>	<b>50</b>	6%	32 223	20 027	9%	644	401
<b>Europe</b>	<b>136</b>	16%	49 538	30 788	15%	364	226
<b>Africa</b>	<b>65</b>	8%	27 029	16 798	8%	416	258
<b>Middle East</b>	<b>140</b>	17%	47 751	29 674	14%	341	212
<b>Asia</b>	<b>172</b>	21%	96 083	59 715	28%	559	347
<b>Australasia</b>	<b>47</b>	6%	16 612	10 328	5%	353	220
<b>Total</b>	<b>831</b>		<b>340 144</b>	<b>211 402</b>		<b>409</b>	<b>254</b>

**NEW FUTURE PIPELINE PROJECTS**  
**(pipeline projects in the pre-construction phase added in this update)**

Region	number of projects		total length			average length	
			km	miles		km	miles
<b>North America</b>	<b>22</b>	29%	2 974	1 849	18%	135	84
<b>Latin America</b>	<b>2</b>	3%	427	266	3%	214	133
<b>Europe</b>	<b>10</b>	13%	3 103	1 930	18%	310	193
<b>Africa</b>	<b>5</b>	7%	2 719	1 689	16%	544	338
<b>Middle East</b>	<b>16</b>	21%	1 928	1 197	11%	121	75
<b>Asia</b>	<b>18</b>	24%	5 501	3 419	32%	306	190
<b>Australasia</b>	<b>2</b>	3%	275	171	2%	138	86
<b>Total</b>	<b>75</b>		<b>16 927</b>	<b>10 521</b>		<b>226</b>	<b>140</b>

## PIPELINE PROJECTS PER REGION AND YEAR OF START OF CONSTRUCTION

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>North America</b>								
<b>2006</b>	71	27	10 619	6 598	150	93	2 406	2 639
<b>2007</b>	119	31	18 647	11 592	157	97	5 100	5 615
<b>2008</b>	103	26	14 294	8 887	139	86	3 187	3 514
<b>2009</b>	101	28	17 097	10 630	169	105	4 257	4 712
<b>2010</b>	120	31	28 766	17 879	240	149	8 143	8 950
<b>2011</b>	64	29	25 370	15 770	396	246	5 995	6 610
<b>Latin America</b>								
<b>2006</b>	14	24	5 324	3 309	380	236	895	983
<b>2007</b>	18	22	6 089	3 785	338	210	924	1 024
<b>2008</b>	27	27	5 564	3 457	206	128	1 141	1 259
<b>2009</b>	32	21	7 418	4 611	232	144	1 120	1 225
<b>2010</b>	33	27	14 576	9 059	442	275	3 326	3 659
<b>2011</b>	9	52	12 264	7 622	1 363	847	8 916	9 828
<b>Europe</b>								
<b>2006</b>	28	32	4 484	2 788	160	100	1 438	1 586
<b>2007</b>	20	34	1 732	1 077	87	54	572	633
<b>2008</b>	30	28	2 686	1 671	90	56	631	694
<b>2009</b>	38	34	3 556	2 213	94	58	1 346	1 487
<b>2010</b>	54	35	13 247	8 234	245	152	4 672	5 137
<b>2011</b>	37	45	15 616	9 704	422	262	8 275	9 166
<b>Africa</b>								
<b>2006</b>	9	25	1 493	929	166	103	339	372
<b>2007</b>	14	26	1 848	1 149	132	82	429	470
<b>2008</b>	16	20	1 624	1 010	102	63	213	235
<b>2009</b>	19	20	3 328	2 069	175	109	452	498
<b>2010</b>	31	37	12 081	7 507	390	242	5 035	5 536
<b>2011</b>	14	22	2 952	1 835	211	131	584	643
<b>Middle East</b>								
<b>2006</b>	20	27	6 132	3 809	307	190	1 624	1 781
<b>2007</b>	62	27	8 343	5 188	135	84	2 194	2 403
<b>2008</b>	50	31	7 032	4 375	141	88	2 094	2 308
<b>2009</b>	49	38	8 718	5 419	178	111	3 320	3 605
<b>2010</b>	61	32	17 063	10 603	280	174	5 857	6 423
<b>2011</b>	45	35	14 540	9 036	323	201	5 590	6 203

## Asia

<b>2006</b>	35	25	8 996	5 590	257	160	1 901	2 097
<b>2007</b>	48	27	14 652	9 108	305	190	3 446	3 791
<b>2008</b>	54	34	18 142	11 276	336	209	6 335	7 029
<b>2009</b>	72	33	24 509	15 237	340	212	8 319	9 140
<b>2010</b>	97	34	54 371	33 791	561	348	18 856	20 681
<b>2011</b>	36	42	12 741	7 916	354	220	6 311	6 915

## Australasia

<b>2006</b>	4	27	2 575	1 600	644	400	524	579
<b>2007</b>	6	19	1 779	1 105	297	184	209	229
<b>2008</b>	20	21	2 883	1 792	144	90	344	378
<b>2009</b>	15	26	936	581	62	39	143	157
<b>2010</b>	21	19	4 412	2 744	210	131	589	646
<b>2011</b>	15	36	7 731	4 806	515	320	2 881	3 200

## WORLDWIDE

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>2006</b>	181	27	39 623	24 623	219	136	9 126	10 037
<b>2007</b>	287	28	53 090	33 004	185	115	12 874	14 165
<b>2008</b>	300	29	52 225	32 468	174	108	13 944	15 417
<b>2009</b>	326	30	65 562	40 760	201	125	18 958	20 823
<b>2010</b>	417	33	144 516	89 817	347	215	46 478	51 033
<b>2011</b>	220	38	91 214	56 689	415	258	38 552	42 566

## PIPELINE PROJECTS PER REGION, YEAR OF START OF CONSTRUCTION AND TYPE (onshore/offshore)

### North America

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	onshore	69	26	9 248	5 746	134	83	1 892	2 070
	offshore	2	36	1 371	852	686	426	514	569
		<b>71</b>		<b>10 619</b>	<b>6 598</b>			<b>2 406</b>	<b>2 639</b>
2007	onshore	106	31	17 890	11 121	169	105	5 014	5 520
	offshore	13	19	757	471	58	36	86	95
		<b>119</b>		<b>18 647</b>	<b>11 592</b>			<b>5 100</b>	<b>5 615</b>
2008	onshore	94	26	13 310	8 275	142	88	2 953	3 256
	offshore	9	27	984	612	109	68	233	258
		<b>103</b>		<b>14 294</b>	<b>8 887</b>			<b>3 187</b>	<b>3 514</b>
2009	onshore	90	29	16 388	10 189	182	113	4 196	4 644
	offshore	11	14	709	441	64	40	61	68
		<b>101</b>		<b>17 097</b>	<b>10 630</b>			<b>4 257</b>	<b>4 712</b>
2010	onshore	108	31	28 327	17 607	262	163	8 097	8 900
	offshore	12	16	439	272	37	23	46	50
		<b>120</b>		<b>28 766</b>	<b>17 879</b>			<b>8 143</b>	<b>8 950</b>
2011	onshore	61	29	25 220	15 677	413	257	5 934	6 543
	offshore	3	37	150	93	50	31	62	68
		<b>64</b>		<b>25 370</b>	<b>15 770</b>			<b>5 995</b>	<b>6 610</b>

### Latin America

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	onshore	8	25	4 342	2 700	543	338	802	880
	offshore	6	16	982	609	164	102	92	102
		<b>14</b>		<b>5 324</b>	<b>3 309</b>			<b>895</b>	<b>983</b>
2007	onshore	14	22	5 968	3 709	426	265	909	1 006
	offshore	4	20	121	76	30	19	16	18
		<b>18</b>		<b>6 089</b>	<b>3 785</b>			<b>924</b>	<b>1 024</b>
2008	onshore	18	28	5 011	3 114	278	173	1 068	1 178
	offshore	9	18	553	343	61	38	73	81
		<b>27</b>		<b>5 564</b>	<b>3 457</b>			<b>1 141</b>	<b>1 259</b>

2009	onshore	19	22	6 558	4 076	345	215	989	1 082
	offshore	13	20	860	535	66	41	130	143
		<b>32</b>		<b>7 418</b>	<b>4 611</b>			<b>1 120</b>	<b>1 225</b>
2010	onshore	26	29	13 309	8 271	512	318	3 220	3 543
	offshore	7	15	1 267	788	181	113	106	116
		<b>33</b>		<b>14 576</b>	<b>9 059</b>			<b>3 326</b>	<b>3 659</b>
2011	onshore	7	53	11 889	7 389	1 698	1 056	8 895	9 805
	offshore	2	12	375	233	188	117	21	24
		<b>9</b>		<b>12 264</b>	<b>7 622</b>			<b>8 916</b>	<b>9 828</b>

## Europe

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	offshore	14	25	1 664	1 035	119	74	386	429
	onshore	14	35	2 820	1 753	201	125	1 052	1 157
		<b>28</b>		<b>4 484</b>	<b>2 788</b>			<b>1 438</b>	<b>1 586</b>
2007	offshore	14	29	798	498	57	36	222	246
	onshore	6	38	934	579	156	97	350	387
		<b>20</b>		<b>1 732</b>	<b>1 077</b>			<b>572</b>	<b>633</b>
2008	onshore	19	29	1 919	1 196	101	63	446	490
	offshore	11	27	767	475	70	43	185	204
		<b>30</b>		<b>2 686</b>	<b>1 671</b>			<b>631</b>	<b>694</b>
2009	onshore	19	39	2 602	1 619	137	85	1 210	1 337
	offshore	19	20	954	594	50	31	136	150
		<b>38</b>		<b>3 556</b>	<b>2 213</b>			<b>1 346</b>	<b>1 487</b>
2010	onshore	39	34	11 472	7 133	294	183	3 883	4 267
	offshore	15	40	1 775	1 101	118	73	790	871
		<b>54</b>		<b>13 247</b>	<b>8 234</b>			<b>4 672</b>	<b>5 137</b>
2011	onshore	24	46	13 238	8 227	552	343	7 363	8 162
	offshore	12	37	2 263	1 406	189	117	898	990
	onshore/offshore	1	20	115	71	115	71	14	15
		<b>37</b>		<b>15 616</b>	<b>9 704</b>			<b>8 275</b>	<b>9 166</b>

## Africa

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	onshore	6	27	1 385	861	231	144	333	366
	offshore	3	10	108	68	36	23	6	7
		<b>9</b>		<b>1 493</b>	<b>929</b>			<b>339</b>	<b>372</b>

2007	offshore	10	14	1 000	621	100	62	54	59
	onshore	4	40	848	528	212	132	375	411
		<b>14</b>		<b>1 848</b>	<b>1 149</b>			<b>429</b>	<b>470</b>
2008	offshore	10	18	810	503	81	50	85	93
	onshore	6	22	814	507	136	85	128	142
		<b>16</b>		<b>1 624</b>	<b>1 010</b>			<b>213</b>	<b>235</b>
2009	offshore	10	20	1 270	790	127	79	182	200
	onshore	9	20	2 058	1 279	229	142	270	298
		<b>19</b>		<b>3 328</b>	<b>2 069</b>			<b>452</b>	<b>498</b>
2010	onshore	21	39	10 331	6 420	492	306	4 665	5 128
	offshore	9	23	1 317	818	146	91	240	268
	onshore/offshore	1	34	433	269	433	269	130	140
		<b>31</b>		<b>12 081</b>	<b>7 507</b>			<b>5 035</b>	<b>5 536</b>
2011	onshore	11	23	2 732	1 698	248	154	571	628
	offshore	3	9	220	137	73	46	14	15
		<b>14</b>		<b>2 952</b>	<b>1 835</b>			<b>584</b>	<b>643</b>

## Middle East

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	onshore	14	24	4 851	3 014	347	215	1 158	1 273
	offshore	6	37	1 281	795	214	133	466	508
		<b>20</b>		<b>6 132</b>	<b>3 809</b>			<b>1 624</b>	<b>1 781</b>
2007	onshore	47	29	7 009	4 357	149	93	1 999	2 188
	offshore	15	18	1 334	831	89	55	195	215
		<b>62</b>		<b>8 343</b>	<b>5 188</b>			<b>2 194</b>	<b>2 403</b>
2008	onshore	38	31	5 739	3 569	151	94	1 707	1 881
	offshore	12	32	1 293	806	108	67	386	427
		<b>50</b>		<b>7 032</b>	<b>4 375</b>			<b>2 094</b>	<b>2 308</b>
2009	onshore	37	39	7 153	4 446	193	120	2 904	3 147
	offshore	12	31	1 565	973	130	81	417	458
		<b>49</b>		<b>8 718</b>	<b>5 419</b>			<b>3 320</b>	<b>3 605</b>
2010	onshore	51	31	13 937	8 662	273	170	4 357	4 803
	offshore	9	18	1 386	860	154	96	200	220
	onshore/offshore	1	56	1 740	1 081	1 740	1 081	1 300	1 400
		<b>61</b>		<b>17 063</b>	<b>10 603</b>			<b>5 857</b>	<b>6 423</b>
2011	onshore	39	35	12 975	8 063	333	207	5 105	5 662
	offshore	6	34	1 565	973	261	162	485	542
		<b>45</b>		<b>14 540</b>	<b>9 036</b>			<b>5 590</b>	<b>6 203</b>

## Asia

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	onshore	28	26	8 167	5 074	292	181	1 781	1 966
	offshore	7	21	829	516	118	74	119	131
		<b>35</b>		<b>8 996</b>	<b>5 590</b>			<b>1 901</b>	<b>2 097</b>
2007	onshore	35	27	13 232	8 226	378	235	3 100	3 404
	offshore	13	28	1 420	882	109	68	346	387
		<b>48</b>		<b>14 652</b>	<b>9 108</b>			<b>3 446</b>	<b>3 791</b>
2008	onshore	35	35	17 200	10 689	491	305	6 217	6 899
	offshore	19	16	942	587	50	31	118	130
		<b>54</b>		<b>18 142</b>	<b>11 276</b>			<b>6 335</b>	<b>7 029</b>
2009	onshore	53	34	22 648	14 081	427	266	7 965	8 752
	offshore	19	22	1 861	1 156	98	61	354	388
		<b>72</b>		<b>24 509</b>	<b>15 237</b>			<b>8 319</b>	<b>9 140</b>
2010	onshore	80	35	52 375	32 549	655	407	18 518	20 309
	offshore	17	22	1 996	1 242	117	73	338	372
		<b>97</b>		<b>54 371</b>	<b>33 791</b>			<b>18 856</b>	<b>20 681</b>
2011	onshore	22	42	10 727	6 664	488	303	5 294	5 795
	offshore	14	42	2 014	1 252	144	89	1 017	1 120
		<b>36</b>		<b>12 741</b>	<b>7 916</b>			<b>6 311</b>	<b>6 915</b>

## Australasia

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	onshore	3	27	2 535	1 575	845	525	522	576
	offshore	1	12	40	25	40	25	2	3
		<b>4</b>		<b>2 575</b>	<b>1 600</b>			<b>524</b>	<b>579</b>
2007	onshore	6	19	1 779	1 105	297	184	209	229
		<b>6</b>		<b>1 779</b>	<b>1 105</b>			<b>209</b>	<b>229</b>
2008	onshore	15	21	2 400	1 492	160	99	280	308
	offshore	5	20	483	300	97	60	64	71
		<b>20</b>		<b>2 883</b>	<b>1 792</b>			<b>344</b>	<b>378</b>
2009	onshore	10	32	473	293	47	29	66	73
	offshore	5	20	463	288	93	58	76	84
		<b>15</b>		<b>936</b>	<b>581</b>			<b>143</b>	<b>157</b>
2010	onshore	15	20	4 060	2 525	271	168	564	618
	offshore	6	14	352	219	59	37	25	27
		<b>21</b>		<b>4 412</b>	<b>2 744</b>			<b>589</b>	<b>646</b>

<b>2011</b>	<b>onshore</b>	13	36	7 022	4 365	540	336	2 638	2 931
	<b>onshore/offshore</b>	1	30	259	161	259	161	63	69
	<b>offshore</b>	1	40	450	280	450	280	180	200
		<b>15</b>		<b>7 731</b>	<b>4 806</b>			<b>2 881</b>	<b>3 200</b>

## WORLDWIDE

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>2006</b>	<b>onshore</b>	142	26	33 348	20 723	235	146	7 540	8 289
	<b>offshore</b>	39	27	6 275	3 900	161	100	1 585	1 748
		<b>181</b>		<b>39 623</b>	<b>24 623</b>			<b>9 126</b>	<b>10 037</b>
<b>2007</b>	<b>onshore</b>	218	28	47 660	29 625	219	136	11 955	13 145
	<b>offshore</b>	69	22	5 430	3 379	79	49	919	1 020
		<b>287</b>		<b>53 090</b>	<b>33 004</b>			<b>12 874</b>	<b>14 165</b>
<b>2008</b>	<b>onshore</b>	225	30	46 393	28 842	206	128	12 800	14 154
	<b>offshore</b>	75	23	5 832	3 626	78	48	1 144	1 263
		<b>300</b>		<b>52 225</b>	<b>32 468</b>			<b>13 944</b>	<b>15 417</b>
<b>2009</b>	<b>onshore</b>	237	32	57 880	35 983	244	152	17 601	19 332
	<b>offshore</b>	89	22	7 682	4 777	86	54	1 357	1 492
		<b>326</b>		<b>65 562</b>	<b>40 760</b>			<b>18 958</b>	<b>20 823</b>
<b>2010</b>	<b>onshore</b>	340	33	133 811	83 167	394	245	43 303	47 568
	<b>offshore</b>	75	24	8 532	5 300	114	71	1 745	1 924
	<b>onshore/offshore</b>	2	52	2 173	1 350	1 087	675	1 430	1 540
		<b>417</b>		<b>144 516</b>	<b>89 817</b>			<b>46 478</b>	<b>51 033</b>
<b>2011</b>	<b>onshore</b>	177	38	83 803	52 083	473	294	35 799	39 525
	<b>offshore</b>	41	36	7 037	4 374	172	107	2 676	2 957
	<b>onshore/offshore</b>	2	27	374	232	187	116	77	84
		<b>220</b>		<b>91 214</b>	<b>56 689</b>			<b>38 552</b>	<b>42 566</b>

## PIPELINE PROJECTS PER REGION, YEAR OF START OF CONSTRUCTION AND FLUID

### North America

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>2006</b>	natural gas	50	33	6 125	3 806	123	76	1 951	2 137
	crude oil	7	23	909	564	130	81	122	134
	natural gas liquids (NGL)	5	11	663	412	133	82	33	36
	refined petroleum products	2	20	721	448	361	224	86	94
	shale gas	2	24	724	450	362	225	75	83
	propane	2	23	139	86	70	43	20	23
	condensate (light crude oil)	1	16	1 200	746	1 200	746	99	110
	carbon dioxide (CO2)	1	22	135	84	135	84	19	21
	brine	1	10	3	2	3	2	0	0
		<b>71</b>		<b>10 619</b>	<b>6 598</b>			<b>2 406</b>	<b>2 639</b>
<b>2007</b>	natural gas	93	33	13 098	8 142	141	88	4 003	4 413
	crude oil	15	30	2 211	1 375	147	92	601	662
	natural gas liquids (NGL)	4	16	1 662	1 033	416	258	120	131
	refined petroleum products	3	20	996	619	332	206	141	153
	multiphase (oil and gas mixed)	2	18	120	75	60	38	7	7
	diluted bitumen	1	42	510	317	510	317	220	240
	carbon dioxide (CO2)	1	24	50	31	50	31	8	9
		<b>119</b>		<b>18 647</b>	<b>11 592</b>			<b>5 100</b>	<b>5 615</b>
<b>2008</b>	natural gas	76	32	9 277	5 768	122	76	2 668	2 941
	crude oil	9	18	2 388	1 485	265	165	283	312
	natural gas liquids (NGL)	7	12	1 645	1 022	235	146	101	112
	refined petroleum products	3	13	170	106	57	35	11	12
	carbon dioxide (CO2)	3	15	201	125	67	42	16	18
	shale gas	2	26	430	267	215	134	96	106
	ethanol	1	16	40	25	40	25	3	3
	multiphase (oil and gas mixed)	1	6	83	52	83	52	5	6
	nitrogen	1	14	60	37	60	37	4	4
		<b>103</b>		<b>14 294</b>	<b>8 887</b>			<b>3 187</b>	<b>3 514</b>

<b>2009</b>	<b>natural gas</b>	67	34	8 272	5 143	123	77	2 680	2 969
	<b>crude oil</b>	15	26	4 095	2 545	273	170	912	1 015
	<b>refined petroleum products</b>	6	18	3 602	2 239	600	373	376	411
	<b>multiphase (oil and gas mixed)</b>	6	8	314	196	52	33	13	15
	<b>shale gas</b>	4	33	796	495	199	124	262	287
	<b>water (drinkable or industrial)</b>	3	62	18	12	6	4	14	15
		<b>101</b>		<b>17 097</b>	<b>10 630</b>			<b>4 257</b>	<b>4 712</b>
<b>2010</b>	<b>natural gas</b>	78	34	15 219	9 459	195	121	4 868	5 355
	<b>shale gas</b>	14	31	2 922	1 816	209	130	862	949
	<b>crude oil</b>	12	31	7 461	4 636	622	386	2 027	2 223
	<b>multiphase (oil and gas mixed)</b>	5	12	199	124	40	25	10	11
	<b>refined petroleum products</b>	4	19	1 130	703	283	176	147	162
	<b>carbon dioxide (CO2)</b>	3	21	1 293	804	431	268	170	187
	<b>natural gas liquids (NGL)</b>	1	12	420	261	420	261	24	26
	<b>slurry</b>	1	30	46	29	46	29	11	12
	<b>water (drinkable or industrial)</b>	1	60	28	17	28	17	21	23
	<b>hydrogen</b>	1	10	48	30	48	30	2	2
		<b>120</b>		<b>28 766</b>	<b>17 879</b>			<b>8 143</b>	<b>8 950</b>
<b>2011</b>	<b>natural gas</b>	34	30	7 839	4 872	231	143	2 077	2 294
	<b>shale gas</b>	10	27	2 822	1 755	282	176	586	642
	<b>crude oil</b>	8	33	6 354	3 949	794	494	1 859	2 046
	<b>natural gas liquids (NGL)</b>	3	17	612	381	204	127	61	67
	<b>carbon dioxide (CO2)</b>	3	26	1 271	790	424	263	240	266
	<b>ethanol</b>	2	24	5 470	3 400	2 735	1 700	900	1 000
	<b>diluted bitumen</b>	1	30	500	311	500	311	120	130
	<b>condensate (light crude oil)</b>	1	12	135	84	135	84	8	9
	<b>residue gas</b>	1	30	103	64	103	64	25	28
	<b>water (drinkable or industrial)</b>	1	42	264	164	264	164	120	130
		<b>64</b>		<b>25 370</b>	<b>15 770</b>			<b>5 995</b>	<b>6 610</b>

## Latin America

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>2006</b>	natural gas	12	25	4 973	3 091	414	258	880	966
	refined petroleum products	1	8	183	114	183	114	6	7
	multiphase (oil and gas mixed)	1	12	168	104	168	104	9	9
		<b>14</b>		<b>5 324</b>	<b>3 309</b>			<b>895</b>	<b>983</b>
<b>2007</b>	natural gas	11	25	4 825	2 999	439	273	837	927
	multiphase (oil and gas mixed)	4	19	188	117	47	29	22	24
	ethanol	1	12	936	582	936	582	54	60
	field injection steam	1	4	84	52	84	52	6	6
	crude oil	1	18	56	35	56	35	6	6
		<b>18</b>		<b>6 089</b>	<b>3 785</b>			<b>924</b>	<b>1 024</b>
<b>2008</b>	natural gas	18	29	4 675	2 906	260	161	1 062	1 172
	multiphase (oil and gas mixed)	4	15	345	214	86	54	27	31
	refined petroleum products	2	10	88	54	44	27	4	5
	crude oil	2	17	380	236	190	118	45	49
	liquefied petroleum gas (LPG)	1	8	76	47	76	47	2	3
		<b>27</b>		<b>5 564</b>	<b>3 457</b>			<b>1 141</b>	<b>1 259</b>
<b>2009</b>	natural gas	21	23	4 007	2 490	191	119	677	736
	crude oil	4	18	635	395	159	99	75	83
	multiphase (oil and gas mixed)	4	10	213	133	53	33	18	20
	ethanol	2	18	2 038	1 267	1 019	634	220	246
	slurry	1	30	525	326	525	326	130	140
		<b>32</b>		<b>7 418</b>	<b>4 611</b>			<b>1 120</b>	<b>1 225</b>
<b>2010</b>	natural gas	22	29	11 991	7 452	545	339	3 001	3 297
	multiphase (oil and gas mixed)	4	20	75	47	19	12	15	16
	ethanol	3	20	2 134	1 327	711	442	290	324
	crude oil	2	10	82	51	41	26	4	4
	liquefied petroleum gas (LPG)	1	10	279	173	279	173	12	13
	slurry	1	36	15	9	15	9	5	6
		<b>33</b>		<b>14 576</b>	<b>9 059</b>			<b>3 326</b>	<b>3 659</b>

<b>2011</b>	<b>refined petroleum products</b>	5	12	1 252	778	250	156	66	73
	<b>crude oil</b>	2	12	785	488	393	244	45	50
	<b>multiphase (oil and gas mixed)</b>	1	10	90	56	90	56	5	6
	<b>natural gas</b>	1	60	10 137	6 300	0 137	6 300	8 800	9 700
		<b>9</b>		<b>12 264</b>	<b>7 622</b>			<b>8 916</b>	<b>9 828</b>

## Europe

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>2006</b>	natural gas	14	38	3 356	2 087	240	149	1 352	1 491
	multiphase (oil and gas mixed)	9	11	619	385	69	43	28	31
	crude oil	4	26	265	164	66	41	50	55
	refined petroleum products	1	6	244	152	244	152	8	9
		<b>28</b>		<b>4 484</b>	<b>2 788</b>			<b>1 438</b>	<b>1 586</b>
<b>2007</b>	natural gas	10	37	1 468	912	147	91	548	608
	crude oil	7	14	196	122	28	17	15	17
	multiphase (oil and gas mixed)	3	14	68	43	23	14	8	9
		<b>20</b>		<b>1 732</b>	<b>1 077</b>			<b>572</b>	<b>633</b>
<b>2008</b>	natural gas	19	31	1 589	989	84	52	441	484
	multiphase (oil and gas mixed)	5	8	81	50	16	10	5	5
	crude oil	3	26	938	584	313	195	182	201
	refined petroleum products	1	4	30	19	30	19	0	0
	water (drinkable or industrial)	1	8	36	22	36	22	1	1
	field injection sea water	1	16	12	7	12	7	2	2
		<b>30</b>		<b>2 686</b>	<b>1 671</b>			<b>631</b>	<b>694</b>
<b>2009</b>	natural gas	26	29	2 210	1 376	85	53	649	717
	multiphase (oil and gas mixed)	8	13	229	142	29	18	26	29
	crude oil	3	49	1 085	675	362	225	669	740
	water (drinkable or industrial)	1	10	32	20	32	20	1	2
		<b>38</b>		<b>3 556</b>	<b>2 213</b>			<b>1 346</b>	<b>1 487</b>
<b>2010</b>	natural gas	40	35	9 664	6 008	242	150	3 415	3 750
	crude oil	7	37	3 300	2 051	471	293	1 222	1 350
	multiphase (oil and gas mixed)	6	12	143	88	24	15	12	13
	refined petroleum products	1	24	140	87	140	87	23	25
		<b>54</b>		<b>13 247</b>	<b>8 234</b>			<b>4 672</b>	<b>5 137</b>
<b>2011</b>	natural gas	23	47	11 308	7 026	492	305	6 379	7 083
	crude oil	7	42	3 847	2 391	550	342	1 803	1 981
	multiphase (oil and gas mixed)	6	9	331	206	55	34	18	20
	water (drinkable or industrial)	1	48	130	81	130	81	74	82
		<b>37</b>		<b>15 616</b>	<b>9 704</b>			<b>8 275</b>	<b>9 166</b>

## Africa

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	multiphase (oil and gas mixed)	5	13	789	491	158	98	68	75
	natural gas	4	39	704	438	176	110	271	297
		<b>9</b>		<b>1 493</b>	<b>929</b>			<b>339</b>	<b>372</b>
2007	natural gas	6	33	1 197	744	200	124	406	445
	multiphase (oil and gas mixed)	4	12	401	249	100	62	8	9
	crude oil	3	14	183	114	61	38	11	12
	condensate (light crude oil)	1	12	67	42	67	42	4	4
		<b>14</b>		<b>1 848</b>	<b>1 149</b>			<b>429</b>	<b>470</b>
2008	multiphase (oil and gas mixed)	6	12	366	228	61	38	21	23
	natural gas	5	24	948	589	190	118	169	187
	crude oil	3	14	275	171	92	57	22	24
	natural gas liquids (NGL)	1	10	32	20	32	20	1	2
	water (drinkable or industrial)	1	6	3	2	3	2	0	0
		<b>16</b>		<b>1 624</b>	<b>1 010</b>			<b>213</b>	<b>235</b>
2009	natural gas	7	20	1 207	751	172	107	177	195
	multiphase (oil and gas mixed)	6	15	465	289	78	48	43	47
	crude oil	3	14	422	262	141	87	33	36
	liquefied petroleum gas (LPG)	1	24	495	308	495	308	82	90
	slurry	1	22	195	121	195	121	28	31
	refined petroleum products	1	24	544	338	544	338	90	99
		<b>19</b>		<b>3 328</b>	<b>2 069</b>			<b>452</b>	<b>498</b>
2010	natural gas	20	42	9 994	6 211	500	311	4 863	5 348
	multiphase (oil and gas mixed)	5	12	447	278	89	56	36	39
	refined petroleum products	4	19	1 160	720	290	180	128	140
	condensate (light crude oil)	1	4	240	149	240	149	3	3
	liquefied petroleum gas (LPG)	1	6	240	149	240	149	5	6
		<b>31</b>		<b>12 081</b>	<b>7 507</b>			<b>5 035</b>	<b>5 536</b>

<b>2011</b>	<b>natural gas</b>	5	29	1 213	754	243	151	380	421
	<b>multiphase (oil and gas mixed)</b>	4	8	274	171	69	43	15	16
	<b>refined petroleum products</b>	2	10	580	360	290	180	26	28
	<b>crude oil</b>	1	16	500	311	500	311	41	45
	<b>slurry</b>	1	38	325	202	325	202	120	130
	<b>water (drinkable or industrial)</b>	1	10	60	37	60	37	3	3
		<b>14</b>		<b>2 952</b>	<b>1 835</b>			<b>584</b>	<b>643</b>

## Middle East

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	natural gas	13	40	3 598	2 235	277	172	1 532	1 681
	multiphase (oil and gas mixed)	5	6	1 573	977	315	195	37	41
	refined petroleum products	2	10	961	597	481	299	55	60
		<b>20</b>		<b>6 132</b>	<b>3 809</b>			<b>1 624</b>	<b>1 781</b>
2007	water (drinkable or industrial)	15	34	1 596	992	106	66	676	740
	natural gas	11	37	2 068	1 285	188	117	776	852
	crude oil	10	22	987	614	99	61	205	224
	natural gas liquids (NGL)	8	27	1 394	867	174	108	303	331
	multiphase (oil and gas mixed)	6	11	547	341	91	57	40	44
	ethane	4	15	917	570	229	143	83	91
	refined petroleum products	3	15	441	274	147	91	34	37
	condensate (light crude oil)	2	26	129	81	65	41	29	32
	field injection sea water	1	42	32	20	32	20	14	15
	field injection steam	1	8	32	20	32	20	1	1
	gas to liquids (GTL)	1	24	200	124	200	124	33	36
		<b>62</b>		<b>8 343</b>	<b>5 188</b>			<b>2 194</b>	<b>2 403</b>
2008	natural gas	20	37	2 899	1 803	145	90	1 071	1 184
	crude oil	11	32	1 432	891	130	81	417	455
	water (drinkable or industrial)	8	49	451	281	56	35	266	294
	multiphase (oil and gas mixed)	5	15	557	347	111	69	55	60
	natural gas liquids (NGL)	2	43	257	160	129	80	137	149
	refined petroleum products	2	20	500	311	250	156	60	66
	sewage	1	60	16	10	16	10	25	28
	field injection sea water	1	12	920	572	920	572	64	71
		<b>50</b>		<b>7 032</b>	<b>4 375</b>			<b>2 094</b>	<b>2 308</b>

<b>2009</b>	<b>natural gas</b>	13	43	3 298	2 051	254	158	1 657	1 789
	<b>crude oil</b>	11	35	2 156	1 340	196	122	761	836
	<b>water (drinkable or industrial)</b>	9	48	1 742	1 083	194	120	658	710
	<b>sewage</b>	5	32	314	195	63	39	99	108
	<b>multiphase (oil and gas mixed)</b>	5	13	440	273	88	55	34	37
	<b>refined petroleum products</b>	2	20	348	216	174	108	41	45
	<b>gas to liquids (GTL)</b>	1	20	100	62	100	62	12	13
	<b>ethylene</b>	1	14	135	84	135	84	9	10
	<b>condensate (light crude oil)</b>	1	12	70	44	70	44	4	4
	<b>liquefied petroleum gas (LPG)</b>	1	40	115	71	115	71	47	52
	<b>49</b>		<b>8 718</b>	<b>5 419</b>			<b>3 320</b>	<b>3 605</b>	
<b>2010</b>	<b>crude oil</b>	22	28	6 261	3 892	285	177	1 818	2 006
	<b>natural gas</b>	18	41	4 900	3 043	272	169	2 299	2 492
	<b>water (drinkable or industrial)</b>	10	31	3 524	2 190	352	219	1 199	1 326
	<b>refined petroleum products</b>	7	23	1 264	786	181	112	208	227
	<b>multiphase (oil and gas mixed)</b>	2	27	769	478	385	239	235	264
	<b>nitrogen</b>	1	48	45	28	45	28	26	29
	<b>sewage</b>	1	30	300	186	300	186	73	80
	<b>61</b>		<b>17 063</b>	<b>10 603</b>			<b>5 857</b>	<b>6 423</b>	
<b>2011</b>	<b>crude oil</b>	13	32	1 935	1 203	149	93	576	635
	<b>natural gas</b>	11	41	9 470	5 885	861	535	4 376	4 872
	<b>sewage</b>	8	42	367	228	46	29	175	193
	<b>water (drinkable or industrial)</b>	6	13	1 983	1 232	331	205	346	375
	<b>refined petroleum products</b>	1	10	230	143	230	143	10	11
	<b>natural gas liquids (NGL)</b>	1	36	97	60	97	60	33	36
	<b>liquefied petroleum gas (LPG)</b>	1	32	10	6	10	6	3	3
	<b>ethane</b>	1	36	100	62	100	62	34	37
	<b>condensate (light crude oil)</b>	1	16	54	34	54	34	5	5
	<b>sulphur</b>	1	20	264	164	264	164	32	35
	<b>multiphase (oil and gas mixed)</b>	1	6	30	19	30	19	2	2
	<b>45</b>		<b>14 540</b>	<b>9 036</b>			<b>5 590</b>	<b>6 203</b>	

## Asia

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>2006</b>	natural gas	22	30	4 633	2 878	211	131	1 315	1 452
	refined petroleum products	6	18	3 201	1 989	534	332	300	331
	crude oil	6	29	1 100	684	183	114	283	311
	multiphase (oil and gas mixed)	1	10	62	39	62	39	3	3
		<b>35</b>		<b>8 996</b>	<b>5 590</b>			<b>1 901</b>	<b>2 097</b>
<b>2007</b>	natural gas	29	32	7 183	4 465	248	154	2 196	2 418
	crude oil	10	32	2 504	1 556	250	156	771	851
	refined petroleum products	6	16	4 777	2 970	796	495	429	466
	multiphase (oil and gas mixed)	2	19	127	79	64	40	16	17
	water (drinkable or industrial)	1	48	61	38	61	38	35	39
		<b>48</b>		<b>14 652</b>	<b>9 108</b>			<b>3 446</b>	<b>3 791</b>
<b>2008</b>	natural gas	27	37	12 505	7 771	463	288	4 863	5 410
	multiphase (oil and gas mixed)	11	7	482	301	44	27	31	34
	crude oil	9	35	3 946	2 452	438	272	1 385	1 525
	refined petroleum products	5	10	1 067	663	213	133	49	54
	coal seam gas (CSG), coal bed methane (CBM)	2	9	142	89	71	45	7	7
		<b>54</b>		<b>18 142</b>	<b>11 276</b>			<b>6 335</b>	<b>7 029</b>
<b>2009</b>	natural gas	41	41	16 078	9 995	392	244	7 247	7 961
	crude oil	10	28	2 828	1 759	283	176	639	699
	multiphase (oil and gas mixed)	10	14	806	501	81	50	71	80
	refined petroleum products	6	17	2 755	1 712	459	285	268	296
	coal seam gas (CSG), coal bed methane (CBM)	4	9	2 040	1 269	510	317	94	103
	water (drinkable or industrial)	1	28	2	1	2	1	0	0
		<b>72</b>		<b>24 509</b>	<b>15 237</b>			<b>8 319</b>	<b>9 140</b>

<b>2010</b>	<b>natural gas</b>	63	37	39 115	24 309	621	386	15 202	16 678
	<b>crude oil</b>	18	32	11 093	6 893	616	383	3 310	3 621
	<b>refined petroleum products</b>	6	15	3 519	2 187	587	365	293	326
	<b>multiphase (oil and gas mixed)</b>	4	8	285	178	71	45	15	17
	<b>coal seam gas (CSG), coal bed methane (CBM)</b>	3	15	202	126	67	42	16	18
	<b>water (drinkable or industrial)</b>	2	40	37	23	19	12	17	19
	<b>condensate (light crude oil)</b>	1	6	120	75	120	75	3	3
		<b>97</b>		<b>54 371</b>	<b>33 791</b>			<b>18 856</b>	<b>20 681</b>
<b>2011</b>	<b>natural gas</b>	26	43	10 719	6 660	412	256	5 499	6 017
	<b>crude oil</b>	5	37	1 333	828	267	166	500	552
	<b>multiphase (oil and gas mixed)</b>	2	23	209	130	105	65	33	36
	<b>liquefied petroleum gas (LPG)</b>	1	12	145	90	145	90	8	9
	<b>natural gas liquids (NGL)</b>	1	6	35	22	35	22	1	1
	<b>water (drinkable or industrial)</b>	1	64	300	186	300	186	270	300
		<b>36</b>		<b>12 741</b>	<b>7 916</b>			<b>6 311</b>	<b>6 915</b>

## Australasia

		number of projects	average diameter	cumulated length		average length		cumulated weight	
				km	miles	km	miles	thousands of metric tonnes	thousands of US tons
2006	natural gas	3	27	2 355	1 463	785	488	482	533
	water (drinkable or industrial)	1	26	220	137	220	137	42	46
		<b>4</b>		<b>2 575</b>	<b>1 600</b>			<b>524</b>	<b>579</b>
2007	natural gas	3	20	632	392	211	131	77	85
	water (drinkable or industrial)	2	22	874	543	437	272	124	134
	crude oil	1	8	273	170	273	170	9	9
		<b>6</b>		<b>1 779</b>	<b>1 105</b>			<b>209</b>	<b>229</b>
2008	water (drinkable or industrial)	8	24	1 385	861	173	108	186	204
	natural gas	7	14	754	469	108	67	51	56
	multiphase (oil and gas mixed)	2	27	159	99	80	50	33	36
	coal seam gas (CSG), coal bed methane (CBM)	1	18	205	127	205	127	21	23
	condensate (light crude oil)	1	18	245	152	245	152	25	28
	slurry	1	24	135	84	135	84	28	31
		<b>20</b>		<b>2 883</b>	<b>1 792</b>			<b>344</b>	<b>378</b>
2009	water (drinkable or industrial)	8	34	441	274	55	34	65	72
	natural gas	4	30	269	167	67	42	70	77
	multiphase (oil and gas mixed)	2	8	46	28	23	14	4	4
	ethylene	1	6	180	112	180	112	4	4
		<b>15</b>		<b>936</b>	<b>581</b>			<b>143</b>	<b>157</b>
2010	natural gas	10	20	2 540	1 579	254	158	366	401
	water (drinkable or industrial)	5	28	506	315	101	63	132	145
	multiphase (oil and gas mixed)	3	14	148	92	49	31	11	12
	coal seam gas (CSG), coal bed methane (CBM)	2	13	940	585	470	293	57	63
	slurry	1	16	278	173	278	173	23	25
		<b>21</b>		<b>4 412</b>	<b>2 744</b>			<b>589</b>	<b>646</b>

<b>2011</b>	<b>natural gas</b>	6	37	5 860	3 642	977	607	2 279	2 532
	<b>water (drinkable or industrial)</b>	5	27	121	76	24	15	25	28
	<b>coal seam gas (CSG), coal bed methane (CBM)</b>	3	31	1 300	808	433	269	397	440
	<b>multiphase (oil and gas mixed)</b>	1	40	450	280	450	280	180	200
		<b>15</b>		<b>7 731</b>	<b>4 806</b>			<b>2 881</b>	<b>3 200</b>

## WORLDWIDE

2006

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
natural gas	118	32	25 744	15 998	218	136	7 783	8 557
multiphase (oil and gas mixed)	21	9	3 211	1 996	153	95	145	159
crude oil	17	26	2 274	1 412	134	83	455	500
refined petroleum products	12	16	5 310	3 300	443	275	455	501
natural gas liquids (NGL)	5	11	663	412	133	82	33	36
propane	2	23	139	86	70	43	20	23
shale gas	2	24	724	450	362	225	75	83
condensate (light crude oil)	1	16	1 200	746	1 200	746	99	110
carbon dioxide (CO <sub>2</sub> )	1	22	135	84	135	84	19	21
water (drinkable or industrial)	1	26	220	137	220	137	42	46
brine	1	10	3	2	3	2	0	0
	<b>181</b>		<b>39 623</b>	<b>24 623</b>			<b>9 126</b>	<b>10 037</b>

**2007**

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
natural gas	163	32	30 471	18 939	187	116	8 843	9 746
crude oil	47	27	6 410	3 986	136	85	1 617	1 780
multiphase (oil and gas mixed)	21	14	1 451	904	69	43	102	112
water (drinkable or industrial)	18	30	2 531	1 573	141	87	834	913
refined petroleum products	12	17	6 214	3 863	518	322	604	657
natural gas liquids (NGL)	12	21	3 056	1 900	255	158	423	462
ethane	4	15	917	570	229	143	83	91
condensate (light crude oil)	3	21	196	123	65	41	33	36
field injection steam	2	5	116	72	58	36	7	7
gas to liquids (GTL)	1	24	200	124	200	124	33	36
ethanol	1	12	936	582	936	582	54	60
diluted bitumen	1	42	510	317	510	317	220	240
carbon dioxide (CO2)	1	24	50	31	50	31	8	9
field injection sea water	1	42	32	20	32	20	14	15
	<b>287</b>		<b>53 090</b>	<b>33 004</b>			<b>12 874</b>	<b>14 165</b>

**2008**

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
natural gas	172	33	32 647	20 295	190	118	10 324	11 434
crude oil	37	28	9 359	5 819	253	157	2 333	2 566
multiphase (oil and gas mixed)	34	13	2 073	1 291	61	38	176	194
water (drinkable or industrial)	18	30	1 875	1 166	104	65	453	499
refined petroleum products	13	13	1 855	1 153	143	89	124	137
natural gas liquids (NGL)	10	16	1 934	1 202	193	120	240	263
coal seam gas (CSG), coal bed methane (CBM)	3	15	347	216	116	72	28	30
carbon dioxide (CO2)	3	15	201	125	67	42	16	18
field injection sea water	2	12	932	579	466	290	66	73
shale gas	2	26	430	267	215	134	96	106
sewage	1	60	16	10	16	10	25	28
nitrogen	1	14	60	37	60	37	4	4
slurry	1	24	135	84	135	84	28	31
liquefied petroleum gas (LPG)	1	8	76	47	76	47	2	3
ethanol	1	16	40	25	40	25	3	3
condensate (light crude oil)	1	18	245	152	245	152	25	28
	<b>300</b>		<b>52 225</b>	<b>32 468</b>			<b>13 944</b>	<b>15 417</b>

**2009**

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
natural gas	179	36	35 341	21 973	197	123	13 156	14 444
crude oil	46	30	11 221	6 976	244	152	3 089	3 410
multiphase (oil and gas mixed)	41	13	2 513	1 562	61	38	210	231
water (drinkable or industrial)	22	45	2 235	1 390	102	63	738	798
refined petroleum products	15	18	7 249	4 505	483	300	775	851
sewage	5	32	314	195	63	39	99	108
shale gas	4	33	796	495	199	124	262	287
coal seam gas (CSG), coal bed methane (CBM)	4	9	2 040	1 269	510	317	94	103
ethylene	2	9	315	196	158	98	13	14
ethanol	2	18	2 038	1 267	1 019	634	220	246
liquefied petroleum gas (LPG)	2	27	610	379	305	190	129	142
slurry	2	28	720	447	360	224	158	171
gas to liquids (GTL)	1	20	100	62	100	62	12	13
condensate (light crude oil)	1	12	70	44	70	44	4	4
	<b>326</b>		<b>65 562</b>	<b>40 760</b>			<b>18 958</b>	<b>20 823</b>

**2010**

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
natural gas	251	36	93 423	58 061	372	231	34 015	37 319
crude oil	61	32	28 197	17 523	462	287	8 380	9 203
multiphase (oil and gas mixed)	29	17	2 066	1 285	71	44	334	372
refined petroleum products	22	18	7 213	4 483	328	204	798	879
water (drinkable or industrial)	18	31	4 095	2 545	228	141	1 369	1 513
shale gas	14	31	2 922	1 816	209	130	862	949
coal seam gas (CSG), coal bed methane (CBM)	5	13	1 142	711	228	142	73	81
carbon dioxide (CO2)	3	21	1 293	804	431	268	170	187
ethanol	3	20	2 134	1 327	711	442	290	324
slurry	3	19	339	211	113	70	39	43
condensate (light crude oil)	2	5	360	224	180	112	5	6
liquefied petroleum gas (LPG)	2	8	519	322	260	161	17	19
hydrogen	1	10	48	30	48	30	2	2
natural gas liquids (NGL)	1	12	420	261	420	261	24	26
nitrogen	1	48	45	28	45	28	26	29
sewage	1	30	300	186	300	186	73	80
	<b>417</b>		<b>144 516</b>	<b>89 817</b>			<b>46 478</b>	<b>51 033</b>

**2011**

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
natural gas	106	44	56 546	35 139	533	332	29 790	32 919
crude oil	36	34	14 754	9 170	410	255	4 824	5 308
multiphase (oil and gas mixed)	15	21	1 384	862	92	57	252	280
water (drinkable or industrial)	15	23	2 858	1 776	191	118	838	918
shale gas	10	27	2 822	1 755	282	176	586	642
refined petroleum products	8	11	2 062	1 281	258	160	102	112
sewage	8	42	367	228	46	29	175	193
natural gas liquids (NGL)	5	19	744	463	149	93	94	103
coal seam gas (CSG), coal bed methane (CBM)	3	31	1 300	808	433	269	397	440
carbon dioxide (CO2)	3	26	1 271	790	424	263	240	266
liquefied petroleum gas (LPG)	2	13	155	96	78	48	11	12
ethanol	2	24	5 470	3 400	2 735	1 700	900	1 000
condensate (light crude oil)	2	13	189	118	95	59	12	14
sulphur	1	20	264	164	264	164	32	35
slurry	1	38	325	202	325	202	120	130
residue gas	1	30	103	64	103	64	25	28
diluted bitumen	1	30	500	311	500	311	120	130
ethane	1	36	100	62	100	62	34	37
	<b>220</b>		<b>91 214</b>	<b>56 689</b>			<b>38 552</b>	<b>42 566</b>

## PIPELINE PROJECTS PER REGION AND YEAR OF COMPLETION

	number of projects	average diameter	cumulated length		average length		cumulated weight	
			km	miles	km	miles	thousands of metric tonnes	thousands of US tons
<b>North America</b>								
<b>2006</b>	60	26	7 502	4 663	125	78	1 493	1 647
<b>2007</b>	109	29	13 564	8 431	124	77	3 331	3 660
<b>2008</b>	110	28	18 786	11 680	171	106	4 598	5 067
<b>2009</b>	112	28	18 826	11 704	168	105	4 360	4 818
<b>2010</b>	97	29	13 579	8 440	140	87	3 493	3 850
<b>2011</b>	66	32	20 559	12 779	312	194	5 940	6 555
<b>Latin America</b>								
<b>2006</b>	11	26	5 008	3 113	455	283	981	1 075
<b>2007</b>	14	20	3 076	1 912	220	137	426	466
<b>2008</b>	29	22	5 835	3 626	201	125	842	934
<b>2009</b>	26	27	4 161	2 586	160	99	872	962
<b>2010</b>	23	23	8 536	5 306	371	231	1 429	1 567
<b>2011</b>	19	21	4 825	2 998	254	158	738	821
<b>Europe</b>								
<b>2006</b>	29	33	4 488	2 791	155	96	1 416	1 566
<b>2007</b>	18	21	1 766	1 097	98	61	328	363
<b>2008</b>	25	35	2 476	1 542	99	62	880	964
<b>2009</b>	35	26	2 958	1 838	85	53	658	729
<b>2010</b>	29	25	1 829	1 137	63	39	369	406
<b>2011</b>	48	36	10 921	6 789	228	141	4 131	4 548
<b>Africa</b>								
<b>2006</b>	14	28	2 389	1 486	171	106	543	600
<b>2007</b>	10	23	1 674	1 041	167	104	289	315
<b>2008</b>	17	18	1 988	1 234	117	73	237	260
<b>2009</b>	18	25	2 409	1 499	134	83	525	577
<b>2010</b>	9	21	1 194	743	133	83	165	182
<b>2011</b>	25	26	5 091	3 164	204	127	1 199	1 323
<b>Middle East</b>								
<b>2006</b>	11	45	3 583	2 228	326	203	1 836	1 971
<b>2007</b>	30	23	3 610	2 244	120	75	682	747
<b>2008</b>	61	32	9 286	5 774	152	95	3 016	3 310
<b>2009</b>	46	22	9 292	5 778	202	126	1 810	1 998
<b>2010</b>	42	26	7 959	4 945	190	118	1 709	1 857
<b>2011</b>	44	27	9 017	5 603	205	127	2 301	2 540



## PIPELINE LAYING PER REGION AND YEAR

	Year	total length		total weight		number of projects involved
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>North America</b>	<b>2006</b>	9 229	5 732	2 014	2 215	93
	<b>2007</b>	16 307	10 136	4 173	4 592	152
	<b>2008</b>	16 537	10 285	3 941	4 343	145
	<b>2009</b>	18 327	11 402	4 379	4 843	140
	<b>2010</b>	19 644	12 217	5 494	6 051	138
	<b>2011</b>	18 756	11 661	5 172	5 692	100
		<b>98 800</b>	<b>61 433</b>	<b>25 174</b>	<b>27 736</b>	
<b>Latin America</b>	<b>2006</b>	5 288	3 289	989	1 084	20
	<b>2007</b>	4 162	2 588	573	632	27
	<b>2008</b>	6 000	3 729	1 014	1 122	40
	<b>2009</b>	6 397	3 977	1 139	1 252	42
	<b>2010</b>	9 335	5 800	1 830	2 011	47
	<b>2011</b>	8 774	5 451	3 028	3 337	35
		<b>39 956</b>	<b>24 834</b>	<b>8 573</b>	<b>9 438</b>	
<b>Europe</b>	<b>2006</b>	4 426	2 751	1 360	1 503	38
	<b>2007</b>	1 926	1 197	578	638	29
	<b>2008</b>	2 512	1 564	705	775	41
	<b>2009</b>	3 197	1 988	857	947	55
	<b>2010</b>	7 667	4 761	2 697	2 970	74
	<b>2011</b>	12 459	7 741	5 427	5 986	80
		<b>32 187</b>	<b>20 002</b>	<b>11 624</b>	<b>12 820</b>	
<b>Africa</b>	<b>2006</b>	1 758	1 096	382	421	20
	<b>2007</b>	1 828	1 139	334	366	20
	<b>2008</b>	1 846	1 150	309	339	26
	<b>2009</b>	2 479	1 541	388	426	28
	<b>2010</b>	4 908	3 055	1 455	1 602	40
	<b>2011</b>	5 609	3 491	1 599	1 762	45
		<b>18 428</b>	<b>11 472</b>	<b>4 467</b>	<b>4 916</b>	
<b>Middle East</b>	<b>2006</b>	4 151	2 579	1 367	1 484	29
	<b>2007</b>	6 668	4 144	1 620	1 777	79
	<b>2008</b>	8 787	5 464	2 480	2 725	97
	<b>2009</b>	7 177	4 462	1 934	2 116	83
	<b>2010</b>	9 973	6 194	3 306	3 617	97
	<b>2011</b>	11 825	7 346	4 242	4 667	99
		<b>48 581</b>	<b>30 189</b>	<b>14 948</b>	<b>16 385</b>	
<b>Asia</b>	<b>2006</b>	11 461	7 123	2 528	2 789	59

	<b>2007</b>	12 076	7 502	2 843	3 131	78
	<b>2008</b>	15 747	9 785	4 436	4 911	89
	<b>2009</b>	20 630	12 824	7 227	7 972	114
	<b>2010</b>	32 459	20 180	10 949	12 041	143
	<b>2011</b>	26 811	16 664	9 690	10 645	116
		<b>119 184</b>	<b>74 078</b>	<b>37 673</b>	<b>41 489</b>	
<b>Australasia</b>	<b>2006</b>	2 762	1 716	552	609	8
	<b>2007</b>	1 128	702	133	145	9
	<b>2008</b>	2 737	1 701	340	373	26
	<b>2009</b>	1 697	1 053	206	227	31
	<b>2010</b>	3 224	2 005	508	559	26
	<b>2011</b>	3 948	2 455	951	1 051	26
		<b>15 496</b>	<b>9 632</b>	<b>2 691</b>	<b>2 965</b>	
<b>WORLDWIDE</b>	<b>2006</b>	39 075	24 286	9 193	10 105	267
	<b>2007</b>	44 095	27 408	10 255	11 281	394
	<b>2008</b>	54 166	33 678	13 224	14 588	464
	<b>2009</b>	59 904	37 247	16 130	17 783	493
	<b>2010</b>	87 210	54 212	26 239	28 850	565
	<b>2011</b>	88 182	54 809	30 110	33 141	501
	<b>Total</b>	<b>372 632</b>	<b>231 640</b>	<b>105 151</b>	<b>115 748</b>	

## PIPELINE LAYING PER REGION, COUNTRY AND YEAR

(country where the pipeline starts)

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>NORTH AMERICA</b>						
<b>Bahamas</b>	<b>2008</b>	28	18	5	6	1
	<b>2009</b>	28	18	5	6	1
	<b>2010</b>	28	18	5	6	1
<b>Canada</b>	<b>2006</b>	2 522	1 566	537	595	10
	<b>2007</b>	2 525	1 570	614	676	16
	<b>2008</b>	3 142	1 953	554	608	21
	<b>2009</b>	1 763	1 096	556	615	9
	<b>2010</b>	2 003	1 244	476	527	15
	<b>2011</b>	3 504	2 178	980	1 076	15
<b>USA</b>	<b>2006</b>	6 707	4 166	1 477	1 620	83
	<b>2007</b>	13 782	8 566	3 559	3 916	136
	<b>2008</b>	13 367	8 314	3 381	3 729	123
	<b>2009</b>	16 536	10 288	3 818	4 222	130
	<b>2010</b>	17 613	10 955	5 013	5 519	122
	<b>2011</b>	15 252	9 483	4 193	4 617	85

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>LATIN AMERICA</b>						
<b>Argentina</b>	<b>2006</b>	2 805	1 744	626	687	2
	<b>2007</b>	711	442	136	151	2
	<b>2008</b>	525	326	130	145	1
	<b>2009</b>	33	21	5	6	1
	<b>2010</b>	51	32	12	14	2
	<b>2011</b>	51	32	12	14	2
<b>Bolivia</b>	<b>2007</b>	299	186	73	80	1
	<b>2008</b>	299	186	73	80	1
	<b>2009</b>	299	186	73	80	1
	<b>2010</b>	841	522	219	240	3
	<b>2011</b>	542	336	146	160	2

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>LATIN AMERICA</b>						
<b>Brazil</b>	<b>2006</b>	1 239	771	166	181	8
	<b>2007</b>	1 944	1 208	197	218	12
	<b>2008</b>	3 821	2 373	543	602	26
	<b>2009</b>	4 211	2 618	739	813	22
	<b>2010</b>	4 011	2 493	540	594	20
	<b>2011</b>	2 143	1 331	181	201	14
<b>Chile</b>	<b>2006</b>	173	108	43	47	1
	<b>2007</b>	296	184	55	60	2
	<b>2008</b>	246	153	25	28	1
<b>Colombia</b>	<b>2006</b>	312	194	46	51	3
	<b>2007</b>	312	194	46	51	3
	<b>2008</b>	222	138	37	40	2
	<b>2009</b>	118	73	20	22	1
	<b>2011</b>	250	156	15	16	1
<b>Dominican Republic</b>	<b>2010</b>	150	93	9	10	1
	<b>2011</b>	150	93	9	10	1
<b>Ecuador</b>	<b>2009</b>	64	40	8	9	1
	<b>2010</b>	64	40	8	9	1
<b>Mexico</b>	<b>2006</b>	534	332	101	112	4
	<b>2007</b>	63	39	24	26	3
	<b>2008</b>	270	168	92	102	4
	<b>2009</b>	893	555	137	149	6
	<b>2010</b>	1 270	789	269	297	11
	<b>2011</b>	706	438	179	200	7
<b>Peru</b>	<b>2008</b>	136	85	40	43	1
	<b>2009</b>	444	276	72	79	4
	<b>2010</b>	2 690	1 671	751	823	7
	<b>2011</b>	2 362	1 468	688	755	4
<b>Puerto Rico</b>	<b>2008</b>	67	42	8	9	1
<b>Trinidad and Tobago</b>	<b>2007</b>	30	19	1	1	1
	<b>2009</b>	220	137	48	52	5
	<b>2010</b>	258	160	22	24	2
	<b>2011</b>	543	337	38	42	3

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>LATIN AMERICA</b>						
Uruguay	2007	282	176	34	38	1
	2008	282	176	34	38	1
Venezuela	2006	225	140	7	8	2
	2007	225	140	7	8	2
	2008	132	82	33	36	2
	2009	115	71	39	43	1
	2011	2 027	1 260	1 760	1 940	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>EUROPE</b>						
Albania	2011	58	36	31	34	1
Austria	2006	117	73	48	53	1
	2009	60	38	17	18	1
	2010	760	473	187	203	2
	2011	765	475	207	226	2
Azerbaijan	2006	771	479	259	286	4
	2007	68	42	8	9	2
	2008	68	42	8	9	2
	2011	1 168	726	332	364	3
Bulgaria	2010	447	278	150	165	1
	2011	587	365	198	215	2
Croatia	2006	270	168	18	20	3
	2008	72	45	4	5	1
	2009	289	177	26	29	7
	2010	520	321	87	95	9
	2011	338	210	98	108	5
Czech Republic	2010	440	274	70	75	2
	2011	440	274	70	75	2
Denmark	2008	10	6	2	2	1
	2009	42	26	3	4	2
Finland	2006	45	28	10	11	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>EUROPE</b>						
<b>France</b>	<b>2006</b>	20	12	3	4	1
	<b>2008</b>	239	150	60	65	5
	<b>2009</b>	32	20	11	12	1
	<b>2010</b>	173	108	47	51	7
	<b>2011</b>	131	81	35	38	5
<b>Germany</b>	<b>2008</b>	112	70	31	34	1
	<b>2009</b>	272	169	154	171	2
	<b>2010</b>	288	178	165	183	4
	<b>2011</b>	385	238	220	243	5
<b>Greece</b>	<b>2007</b>	86	53	29	32	1
	<b>2009</b>	254	158	68	76	2
	<b>2010</b>	418	260	148	163	4
	<b>2011</b>	418	260	148	163	4
<b>Hungary</b>	<b>2010</b>	136	85	35	39	2
	<b>2011</b>	105	66	29	32	1
<b>Ireland</b>	<b>2009</b>	84	52	12	13	1
	<b>2011</b>	9	6	1	1	1
<b>Italy</b>	<b>2006</b>	31	19	18	20	1
	<b>2007</b>	50	31	17	19	3
	<b>2008</b>	124	78	42	46	6
	<b>2009</b>	115	72	35	39	6
	<b>2010</b>	325	201	130	143	6
	<b>2011</b>	512	316	241	264	10
<b>Latvia</b>	<b>2011</b>	58	36	7	8	1
<b>Lithuania</b>	<b>2010</b>	70	44	12	13	1
	<b>2011</b>	70	44	12	13	1
<b>Netherlands</b>	<b>2006</b>	235	146	79	87	1
	<b>2009</b>	22	14	2	2	1
	<b>2010</b>	80	50	18	19	2
	<b>2011</b>	101	63	46	50	3

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>EUROPE</b>						
<b>Norway</b>	<b>2006</b>	922	574	301	336	7
	<b>2007</b>	794	495	217	241	10
	<b>2008</b>	98	61	8	9	5
	<b>2009</b>	552	344	78	86	13
	<b>2010</b>	87	52	7	7	5
	<b>2011</b>	207	128	10	11	5
<b>Poland</b>	<b>2006</b>	33	21	0	0	2
	<b>2010</b>	293	181	44	48	3
	<b>2011</b>	443	274	80	88	4
<b>Romania</b>	<b>2009</b>	3	2	1	1	1
	<b>2011</b>	299	186	198	218	1
<b>Russia</b>	<b>2006</b>	1 636	1 016	606	668	8
	<b>2007</b>	601	373	239	263	5
	<b>2008</b>	1 287	800	422	464	8
	<b>2009</b>	972	605	319	353	7
	<b>2010</b>	2 341	1 456	1 346	1 487	11
	<b>2011</b>	5 157	3 208	3 251	3 599	12
<b>Serbia</b>	<b>2010</b>	245	152	14	16	1
	<b>2011</b>	245	152	14	16	1
<b>Slovakia</b>	<b>2010</b>	25	16	4	5	1
	<b>2011</b>	85	53	9	10	2
<b>Spain</b>	<b>2006</b>	35	22	1	1	1
	<b>2007</b>	122	76	55	60	1
	<b>2008</b>	453	282	123	135	7
	<b>2009</b>	457	285	125	138	7
	<b>2010</b>	417	260	89	97	4
	<b>2011</b>	312	194	53	58	3
<b>Sweden</b>	<b>2010</b>	68	41	10	11	3
	<b>2011</b>	68	41	10	11	3
<b>Ukraine</b>	<b>2010</b>	485	301	130	143	2
	<b>2011</b>	485	301	130	143	2

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>EUROPE</b>						
<b>United Kingdom</b>	<b>2006</b>	311	193	16	17	8
	<b>2007</b>	205	127	13	14	7
	<b>2008</b>	49	30	5	6	5
	<b>2009</b>	43	26	6	7	4
	<b>2010</b>	49	30	8	9	4
	<b>2011</b>	13	8	2	2	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>AFRICA</b>						
<b>Algeria</b>	<b>2006</b>	184	115	80	87	2
	<b>2007</b>	366	228	183	200	3
	<b>2008</b>	438	272	157	172	3
	<b>2009</b>	485	301	156	172	4
	<b>2010</b>	2 127	1 324	665	735	16
	<b>2011</b>	2 122	1 321	640	708	17
<b>Angola</b>	<b>2006</b>	75	46	3	3	3
	<b>2007</b>	257	160	4	5	4
	<b>2008</b>	345	216	21	23	8
	<b>2009</b>	322	201	39	43	5
	<b>2010</b>	351	219	51	55	5
	<b>2011</b>	374	232	47	52	4
<b>Cameroon</b>	<b>2009</b>	90	56	8	8	1
<b>Chad</b>	<b>2009</b>	60	37	3	4	1
	<b>2010</b>	60	37	3	4	1
	<b>2011</b>	60	37	3	4	1
<b>Congo</b>	<b>2007</b>	119	75	7	7	2
	<b>2008</b>	44	28	1	1	1
	<b>2009</b>	10	6	1	1	1
<b>Egypt</b>	<b>2006</b>	286	178	92	102	2
	<b>2007</b>	286	178	75	82	3
	<b>2008</b>	298	185	68	75	2
	<b>2009</b>	334	208	68	75	2
	<b>2010</b>	90	56	15	17	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>AFRICA</b>						
<b>Equatorial Guinea</b>	<b>2006</b>	102	64	6	6	2
	<b>2011</b>	30	19	2	2	1
<b>Gabon</b>	<b>2006</b>	13	8	1	1	1
	<b>2007</b>	206	128	8	9	1
	<b>2008</b>	82	51	4	5	2
	<b>2009</b>	172	107	7	8	2
<b>Ghana</b>	<b>2010</b>	27	17	2	2	1
	<b>2011</b>	48	30	2	2	1
<b>Ivory Coast</b>	<b>2006</b>	6	4	0	0	1
	<b>2009</b>	36	22	2	2	1
	<b>2010</b>	228	142	18	20	2
	<b>2011</b>	192	120	16	18	1
<b>Kenya</b>	<b>2010</b>	162	101	11	12	1
	<b>2011</b>	162	101	11	12	1
<b>Libya</b>	<b>2009</b>	268	167	12	13	2
	<b>2010</b>	471	293	78	86	3
	<b>2011</b>	453	281	77	85	2
<b>Madagascar</b>	<b>2009</b>	98	60	14	16	1
	<b>2010</b>	98	60	14	16	1
<b>Morocco</b>	<b>2011</b>	30	18	1	1	1
<b>Mozambique</b>	<b>2010</b>	100	62	17	18	1
	<b>2011</b>	366	228	40	43	3
<b>Namibia</b>	<b>2009</b>	180	112	22	24	1
<b>Nigeria</b>	<b>2006</b>	632	395	74	82	8
	<b>2007</b>	572	356	56	62	6
	<b>2008</b>	507	316	46	51	8
	<b>2009</b>	266	166	32	35	5
	<b>2010</b>	933	582	539	591	6
	<b>2011</b>	1 221	762	705	776	9

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>AFRICA</b>						
<b>South Africa</b>	<b>2009</b>	136	84	23	25	1
	<b>2010</b>	261	162	43	47	2
	<b>2011</b>	341	212	50	54	3
<b>Sudan</b>	<b>2006</b>	460	286	127	140	1
<b>Tunisia</b>	<b>2007</b>	22	14	1	1	1
	<b>2008</b>	132	82	12	13	2
	<b>2009</b>	22	14	1	1	1
<b>Uganda</b>	<b>2011</b>	210	130	7	7	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>MIDDLE EAST</b>						
<b>Iran</b>	<b>2006</b>	988	614	613	659	5
	<b>2007</b>	746	464	396	435	5
	<b>2008</b>	1 000	622	591	654	5
	<b>2009</b>	1 450	901	709	777	5
	<b>2010</b>	1 587	986	996	1 080	6
	<b>2011</b>	2 092	1 300	1 189	1 294	8
<b>Iraq</b>	<b>2010</b>	300	187	67	72	3
	<b>2011</b>	757	471	236	257	5
<b>Israel</b>	<b>2008</b>	7	4	0	0	1
	<b>2009</b>	7	4	0	0	1
	<b>2010</b>	165	103	81	91	3
	<b>2011</b>	165	103	81	91	3
<b>Jordan</b>	<b>2006</b>	564	351	175	190	2
<b>Kuwait</b>	<b>2006</b>	668	415	15	16	5
	<b>2007</b>	900	557	95	104	11
	<b>2008</b>	1 910	1 186	327	360	20
	<b>2009</b>	1 183	734	181	199	17
	<b>2010</b>	1 171	725	241	266	19
	<b>2011</b>	1 353	841	268	295	22
<b>Malaysia</b>	<b>2009</b>	5	3	0	0	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>MIDDLE EAST</b>						
<b>Palestine</b>	<b>2010</b>	65	40	11	12	1
<b>Qatar</b>	<b>2006</b>	819	508	369	405	5
	<b>2007</b>	864	536	180	198	10
	<b>2008</b>	849	528	250	275	12
	<b>2009</b>	609	378	88	98	12
	<b>2010</b>	647	401	179	194	10
	<b>2011</b>	391	242	148	161	6
<b>Saudi Arabia</b>	<b>2006</b>	47	29	4	5	2
	<b>2007</b>	2 182	1 358	480	524	25
	<b>2008</b>	2 987	1 860	725	789	30
	<b>2009</b>	2 438	1 520	578	627	26
	<b>2010</b>	2 262	1 408	619	674	18
	<b>2011</b>	1 366	849	284	314	16
<b>Sultanate of Oman</b>	<b>2006</b>	190	118	37	41	3
	<b>2007</b>	570	354	185	203	10
	<b>2008</b>	859	533	194	214	11
	<b>2009</b>	414	257	66	73	8
	<b>2010</b>	1 255	779	412	456	12
	<b>2011</b>	1 288	799	448	492	8
<b>Syria</b>	<b>2006</b>	108	67	37	40	1
	<b>2007</b>	108	67	37	40	1
	<b>2008</b>	108	67	37	40	1
	<b>2010</b>	430	267	115	129	3
	<b>2011</b>	430	267	115	129	3
<b>Turkey</b>	<b>2006</b>	143	90	48	53	2
	<b>2009</b>	139	86	105	115	1
	<b>2010</b>	189	117	108	118	2
	<b>2011</b>	1 828	1 135	915	1 020	6
<b>Turkmenistan</b>	<b>2008</b>	16	10	4	4	1
	<b>2009</b>	66	40	14	16	1
	<b>2010</b>	66	40	14	16	1
	<b>2011</b>	200	124	49	55	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>MIDDLE EAST</b>						
<b>UAE</b>	<b>2006</b>	509	316	29	32	3
	<b>2007</b>	1 183	737	208	229	16
	<b>2008</b>	936	583	313	344	15
	<b>2009</b>	621	387	172	188	10
	<b>2010</b>	1 776	1 104	461	506	18
	<b>2011</b>	1 955	1 215	509	558	21
<b>Yemen</b>	<b>2006</b>	115	71	40	43	1
	<b>2007</b>	115	71	40	43	1
	<b>2008</b>	115	71	40	43	1
	<b>2009</b>	245	152	20	22	1
	<b>2010</b>	60	37	3	4	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>ASIA</b>						
<b>Bangladesh</b>	<b>2010</b>	885	550	192	210	5
	<b>2011</b>	915	568	196	214	6
<b>Brunei</b>	<b>2010</b>	233	145	103	113	1
	<b>2011</b>	233	145	103	113	1
<b>China</b>	<b>2006</b>	4 899	3 046	997	1 103	13
	<b>2007</b>	4 919	3 058	860	944	19
	<b>2008</b>	7 332	4 556	2 098	2 336	25
	<b>2009</b>	7 745	4 815	2 541	2 817	26
	<b>2010</b>	10 348	6 432	3 010	3 322	32
	<b>2011</b>	8 004	4 973	2 633	2 902	22
<b>Hong Kong</b>	<b>2010</b>	20	12	2	2	1
	<b>2011</b>	20	12	2	2	1
<b>India</b>	<b>2006</b>	3 143	1 951	562	619	22
	<b>2007</b>	3 677	2 283	653	723	22
	<b>2008</b>	4 589	2 853	990	1 091	27
	<b>2009</b>	5 919	3 679	1 703	1 871	36
	<b>2010</b>	7 440	4 624	1 816	1 991	41
	<b>2011</b>	5 699	3 543	1 198	1 313	35

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>ASIA</b>						
<b>Indonesia</b>	<b>2006</b>	1 032	640	183	202	9
	<b>2007</b>	1 502	931	373	410	15
	<b>2008</b>	839	520	217	238	8
	<b>2009</b>	1 535	953	463	504	11
	<b>2010</b>	906	564	292	320	6
	<b>2011</b>	424	264	80	86	3
<b>Japan</b>	<b>2006</b>	34	22	4	4	3
	<b>2007</b>	20	13	2	3	2
	<b>2008</b>	44	28	7	8	2
	<b>2009</b>	197	123	29	32	4
	<b>2010</b>	151	94	60	65	5
	<b>2011</b>	127	79	56	61	3
<b>Kazakhstan</b>	<b>2006</b>	740	461	371	407	3
	<b>2007</b>	536	333	308	336	4
	<b>2008</b>	778	483	309	341	3
	<b>2009</b>	1 409	877	661	731	4
	<b>2010</b>	3 252	2 023	1 198	1 324	8
	<b>2011</b>	2 278	1 415	755	835	6
<b>Malaysia</b>	<b>2007</b>	155	96	18	20	3
	<b>2008</b>	104	65	12	13	4
	<b>2009</b>	292	181	74	83	4
	<b>2010</b>	237	147	63	70	3
	<b>2011</b>	171	106	57	63	1
<b>Myanmar</b>	<b>2009</b>	257	160	77	83	1
	<b>2010</b>	1 521	947	512	563	7
	<b>2011</b>	1 387	864	605	665	6
<b>Pakistan</b>	<b>2007</b>	15	10	9	10	1
	<b>2008</b>	15	10	9	10	1
	<b>2009</b>	15	10	9	10	1
	<b>2010</b>	848	528	212	233	2
	<b>2011</b>	983	611	338	373	2
<b>Philippines</b>	<b>2010</b>	175	109	27	30	2
	<b>2011</b>	50	31	8	9	1

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>ASIA</b>						
<b>Russia</b>	<b>2006</b>	1 096	681	314	347	4
	<b>2007</b>	709	440	397	438	5
	<b>2008</b>	1 164	721	514	568	7
	<b>2009</b>	2 335	1 450	1 365	1 508	15
	<b>2010</b>	4 623	2 873	2 526	2 772	15
	<b>2011</b>	4 707	2 926	2 713	2 970	14
<b>South Korea</b>	<b>2011</b>	141	88	108	118	2
<b>Taiwan</b>	<b>2007</b>	64	40	22	24	1
	<b>2008</b>	64	40	22	24	1
<b>Thailand</b>	<b>2006</b>	186	116	65	72	2
	<b>2007</b>	398	248	153	172	3
	<b>2008</b>	337	210	86	97	3
	<b>2009</b>	50	32	8	9	1
	<b>2010</b>	250	156	101	113	3
	<b>2011</b>	378	234	120	134	5
<b>Turkmenistan</b>	<b>2007</b>	62	38	47	50	1
	<b>2008</b>	62	38	47	50	1
	<b>2009</b>	102	63	56	61	2
	<b>2010</b>	955	593	663	725	3
	<b>2011</b>	955	593	663	725	3
<b>Uzbekistan</b>	<b>2008</b>	262	163	115	125	1
	<b>2009</b>	525	326	230	250	3
	<b>2010</b>	263	163	115	125	2
<b>Vietnam</b>	<b>2006</b>	325	202	33	36	2
	<b>2007</b>	13	8	2	2	1
	<b>2008</b>	151	94	11	12	5
	<b>2009</b>	243	151	11	12	5
	<b>2010</b>	346	216	57	63	6
	<b>2011</b>	339	212	56	62	5

	Year	total length		total weight		number of concerned projects
		km	miles	thousands of metric tonnes	thousands of US tons	
<b>AUSTRALASIA</b>						
<b>Australia</b>	<b>2006</b>	2 537	1 576	509	562	7
	<b>2007</b>	1 128	702	133	145	9
	<b>2008</b>	2 649	1 646	325	356	23
	<b>2009</b>	1 609	998	191	210	28
	<b>2010</b>	3 135	1 950	493	542	25
	<b>2011</b>	3 858	2 399	915	1 011	25
<b>New Zealand</b>	<b>2008</b>	20	13	1	1	2
	<b>2009</b>	20	13	1	1	2
	<b>2010</b>	89	55	15	17	1
<b>Papua New Guinea</b>	<b>2008</b>	68	42	14	16	1
	<b>2009</b>	68	42	14	16	1
<b>Timor Leste</b>	<b>2006</b>	225	140	43	47	1
	<b>2011</b>	90	56	36	40	1

## COST, AVERAGE COST, COST/LENGHT RATIO

Based on future pipeline projects whose cost is planned or estimated (170 projects)

Region	number of projects		total cost of projects		average cost of project	cost/ length ratio	
			million of US dollars			million of US \$ / km	million of US \$ / miles
<b>North America</b>	<b>42</b>	<b>25%</b>	<b>56 331</b>	<b>23%</b>	<b>1 341</b>	2.00	3.22
<b>Latin America</b>	<b>16</b>	<b>9%</b>	<b>26 998</b>	<b>11%</b>	<b>1 687</b>	1.50	2.42
<b>Europe</b>	<b>20</b>	<b>12%</b>	<b>28 282</b>	<b>12%</b>	<b>1 414</b>	3.31	5.32
<b>Africa</b>	<b>11</b>	<b>6%</b>	<b>23 568</b>	<b>10%</b>	<b>2 143</b>	3.21	5.17
<b>Middle East</b>	<b>31</b>	<b>18%</b>	<b>44 397</b>	<b>18%</b>	<b>1 432</b>	2.51	4.04
<b>Asia</b>	<b>40</b>	<b>24%</b>	<b>57 981</b>	<b>24%</b>	<b>1 450</b>	1.92	3.09
<b>Australasia</b>	<b>10</b>	<b>6%</b>	<b>6 951</b>	<b>3%</b>	<b>695</b>	1.15	1.84
<b>Total</b>	<b>170</b>		<b>244 508</b>		<b>1 438</b>	<b>2.11</b>	<b>3.39</b>

## COST, AVERAGE COST, COST/LENGHT RATIO

Based on future pipeline projects whose cost is planned or estimated (170 projects)

Region	number of projects		total cost of projects		average cost of project	cost/ length ratio	
			million of US dollars			million of US \$ / km	million of US \$ / miles
<b>onshore</b>	<b>138</b>	<b>81%</b>	<b>197 353</b>	<b>81%</b>	<b>1 430</b>	1.91	3.08
<b>offshore</b>	<b>30</b>	<b>18%</b>	<b>29 155</b>	<b>12%</b>	<b>972</b>	2.76	4.44
<b>onshore/offshore</b>	<b>2</b>	<b>1%</b>	<b>18 000</b>	<b>7%</b>	<b>9 000</b>	8.28	13.33
<b>Total</b>	<b>170</b>		<b>244 508</b>		<b>1 438</b>	<b>2.11</b>	<b>3.39</b>