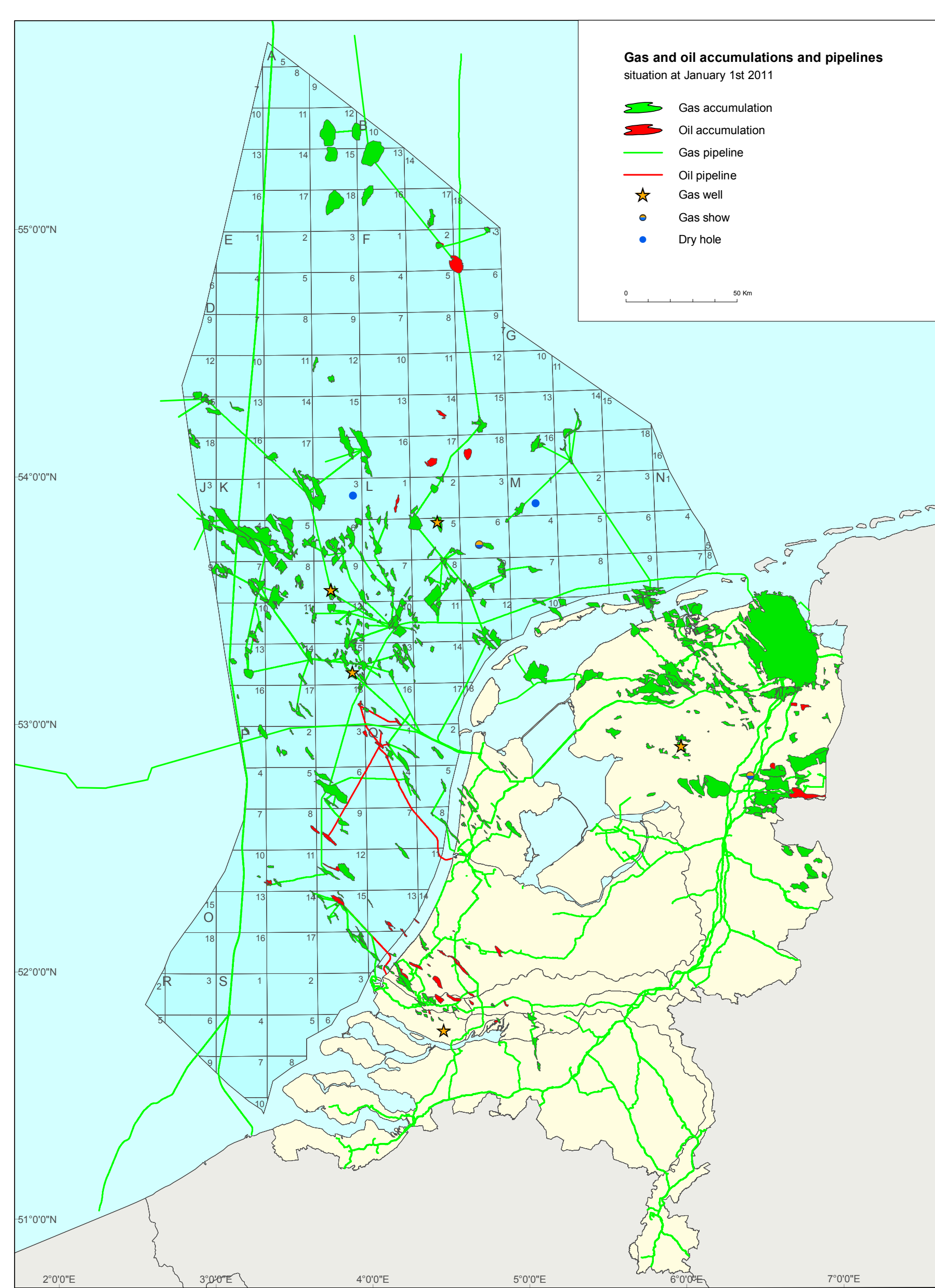


# Hydrocarbon Reserves in the Netherlands

## Location of Gas & Oil fields



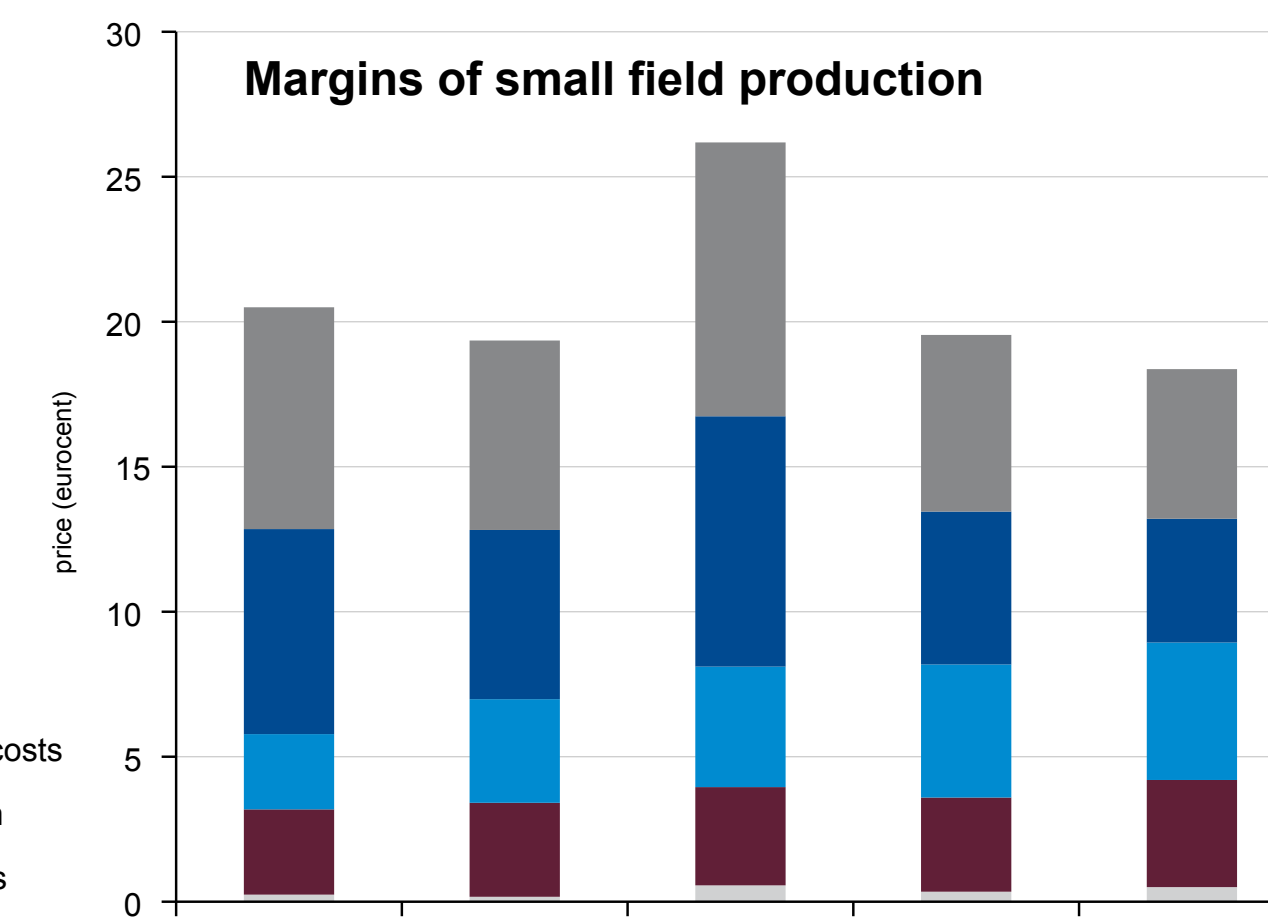
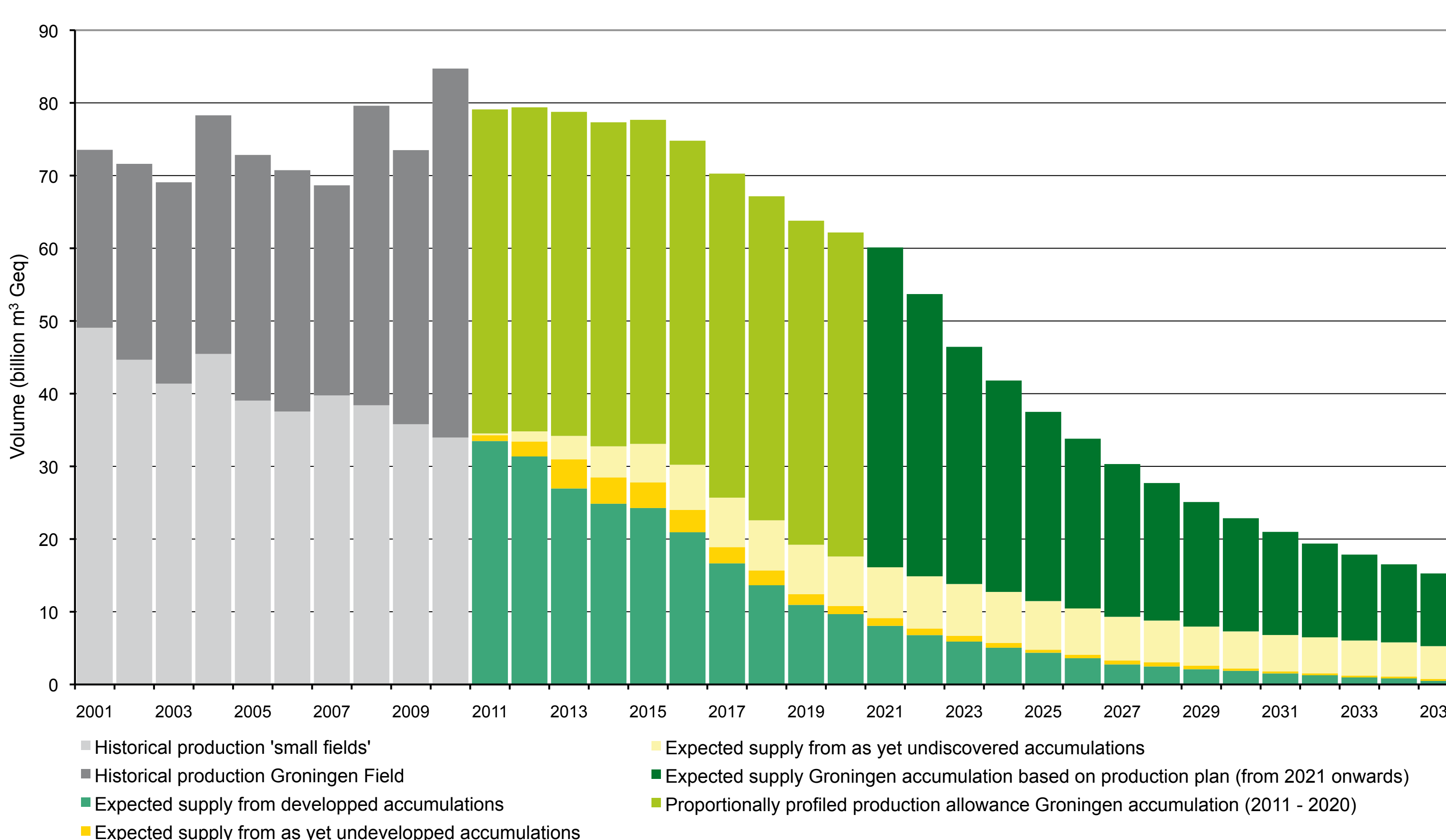
## Marginal field production

The average price for gas from small fields and thus average revenue per m<sup>3</sup> varies from year to year, but the Dutch gas price has generally remained around c 0.20/m<sup>3</sup>. Production costs per m<sup>3</sup> of gas have all increased, partly as a result of production phase and increasing prices in the sector. Consequently, net profit per m<sup>3</sup> of produced gas has decreased, but was still around 30% in 2010.

## Gas and oil resources in the Netherlands as at 1 January 2011 (bcm)

Accumulations	Developed	Development UGS*	planned 2011-2015	Total
Groningen	980	-	0	980
Others Territory	130	19	11	160
Continental Shelf	122	0	42	164
<b>Total Gas (bcm)</b>	<b>1232</b>	<b>19</b>	<b>53</b>	<b>1304</b>

\*UGS Cushion gas, for explanation see paragraph "Developed accumulations"

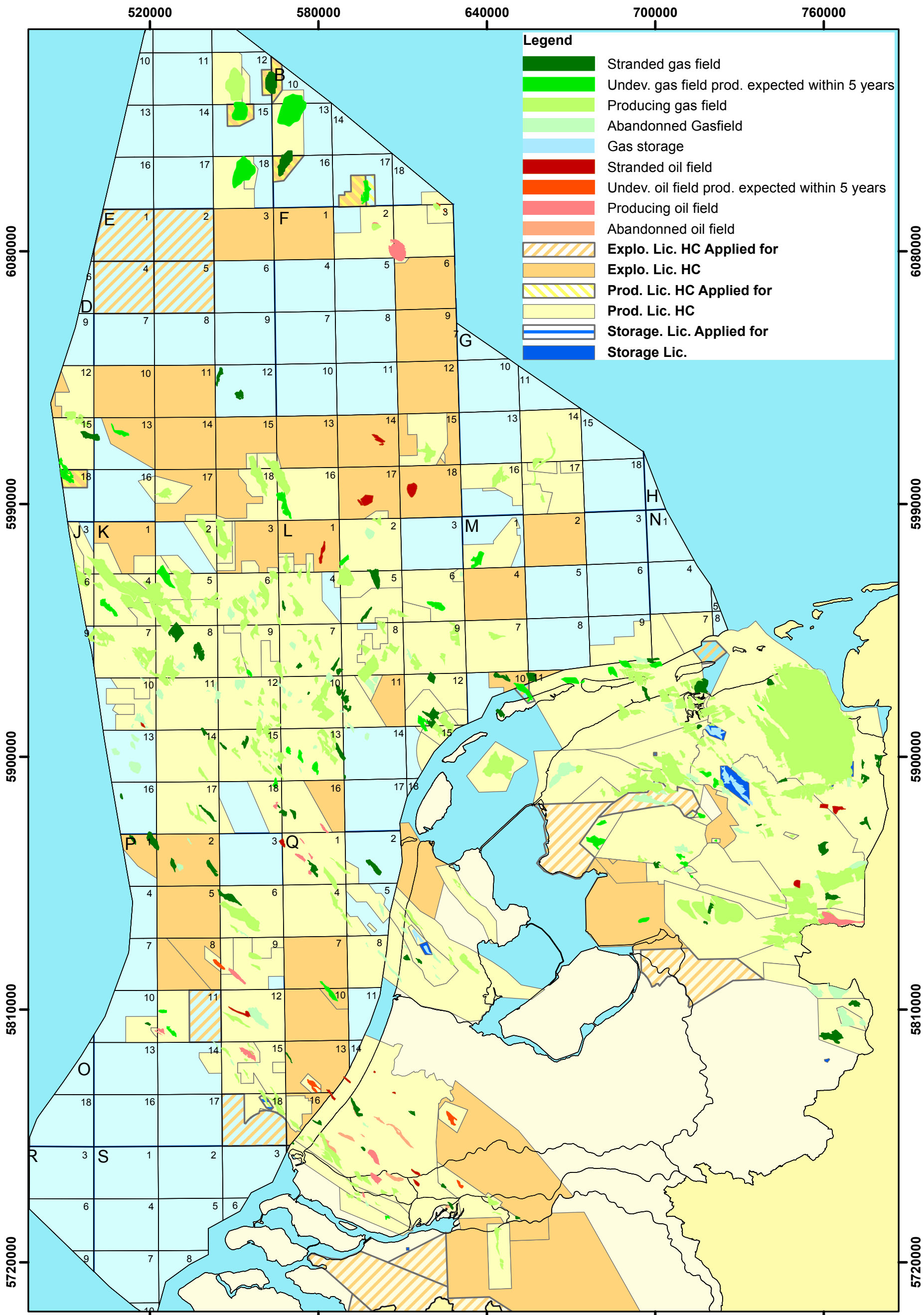


The small fields policy of the Netherlands offsets some of the risks inherent to the industry and thus offers gas producers three main benefits:

- steady production close to the maximum capacity of a field;
- offtake and transportation guarantee;
- market-based prices and conditions.

## Stranded fields in the Netherlands

### Location



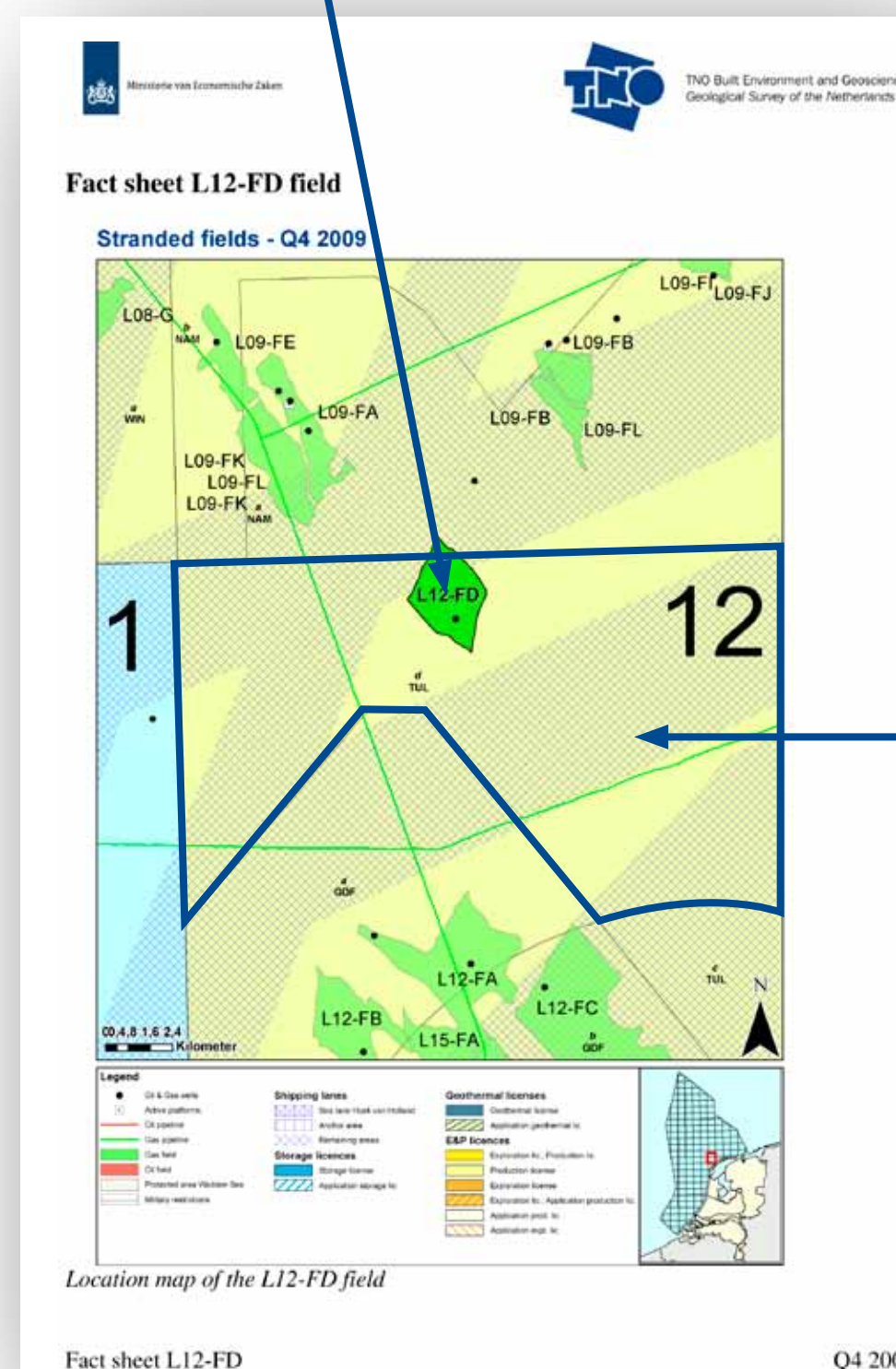
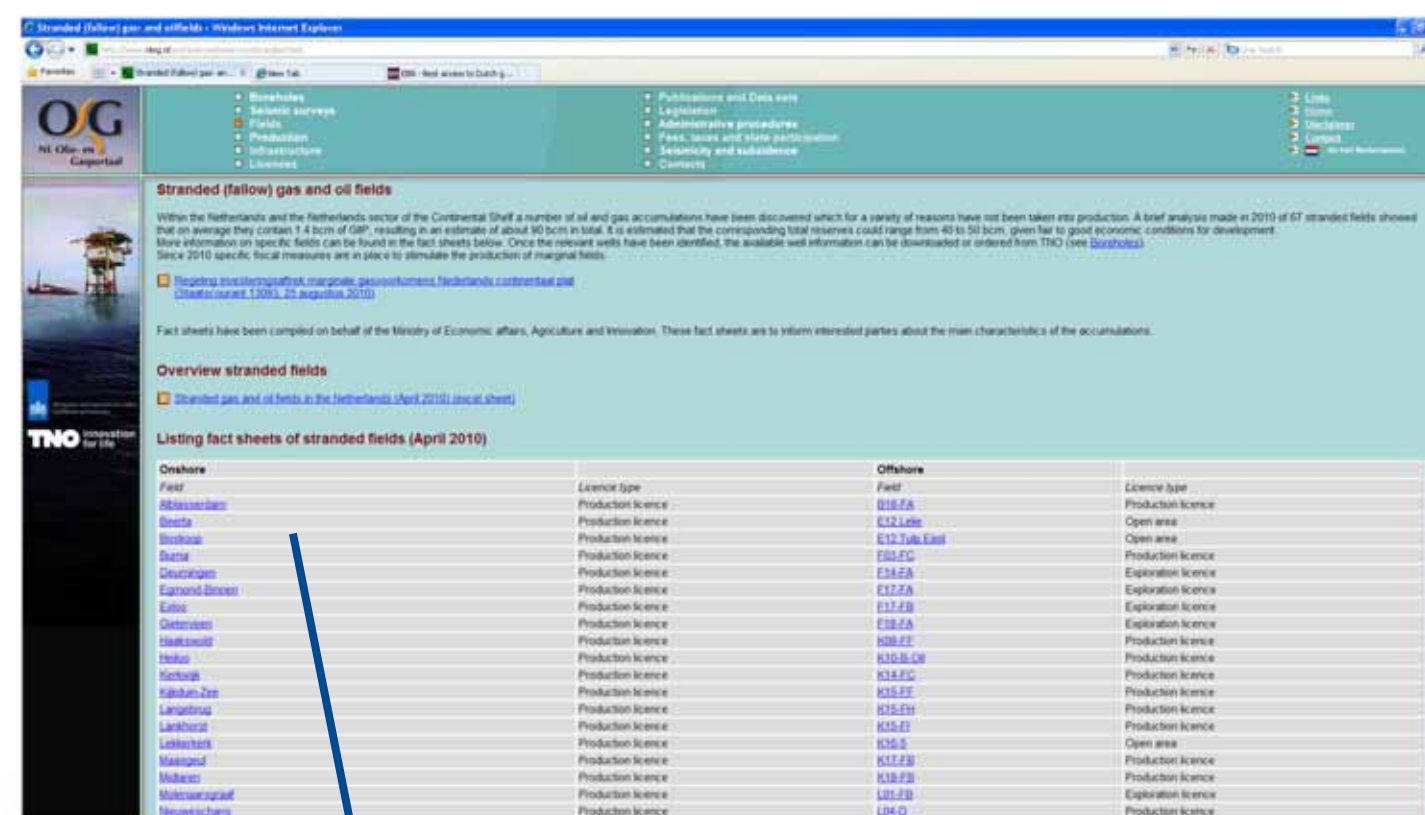
### Resource figures undeveloped fields in billions of Sm<sup>3</sup>

Resource group	Number	GIIP	reserves
Not producing fields production start within 5 years	43		55
Not producing fields production start not within 5 years (Stranded fields)	67	90	40-50

### Information through [www.nlog.nl](http://www.nlog.nl)

The stranded fields portfolio in the Netherlands consists of some 100 fields. Encouraging the production of these already discovered, but as yet undeveloped fields, should unlock significant volumes of gas reserves.

The Dutch government is committed to ensuring an attractive mining climate in the Netherlands and has introduced an additional measure that involves marking underused acreage as fallow so as to ensure easier access. After the July 2011 publication (see example below) of the definitive fallow acreage classification, additional stranded fields are located in fallow acreage enabling easier access in the future. General information on the stranded fields portfolio can be found on [www.nlog.nl](http://www.nlog.nl).



acreage classified as fallow (passive)

<b>General information</b>	
The L12-FD gas field is situated in the L12 concession (Yellow), enabling the 'stranded' gas field. It was discovered in 1988 with exploration well L12-05. The gas is trapped in the Shallow Formation (BOL). Complete results of RPT's are available on the company's web page.	
The L12-FD field is fully bounded on all sides. The reservoir is permeated by one exploration well. The Shallow Formation (BOL) reservoir complex mainly contains gas and fluid outcrops. The field has not been developed and currently lies in Yellow acreage.	
<b>Sequence of events</b>	
Date	Description
1988	Exploration well L12-05
1989	Exploration well L12-06
1990	Exploration well L12-07
1991	Exploration well L12-08
1992	Exploration well L12-09
1993	Exploration well L12-10
1994	Exploration well L12-11
1995	Exploration well L12-12
1996	Exploration well L12-13
1997	Exploration well L12-14
1998	Exploration well L12-15
1999	Exploration well L12-16
2000	Exploration well L12-17
2001	Exploration well L12-18
2002	Exploration well L12-19
2003	Exploration well L12-20
2004	Exploration well L12-21
2005	Exploration well L12-22
2006	Exploration well L12-23
2007	Exploration well L12-24
2008	Exploration well L12-25
2009	Exploration well L12-26
2010	Exploration well L12-27
2011	Exploration well L12-28
2012	Exploration well L12-29
2013	Exploration well L12-30
2014	Exploration well L12-31
2015	Exploration well L12-32
2016	Exploration well L12-33
2017	Exploration well L12-34
2018	Exploration well L12-35
2019	Exploration well L12-36
2020	Exploration well L12-37
2021	Exploration well L12-38
2022	Exploration well L12-39
2023	Exploration well L12-40
2024	Exploration well L12-41
2025	Exploration well L12-42
2026	Exploration well L12-43
2027	Exploration well L12-44
2028	Exploration well L12-45
2029	Exploration well L12-46
2030	Exploration well L12-47
2031	Exploration well L12-48
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2033	Exploration well L12-50
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