

## Fault database May 2005

### • **Aims and Objectives:**

• **To develop a UK pipeline fault and failure database**

• **Why**

UKOPA/05/0069

## **Risk = Probability x Consequence**

- **Consequence, established models**

- **Probability**

- **Based upon records of historical pipeline failures**

**US Gas Transmission  
CONCAWE  
EGIG**

## EGIG 1970-2001

Overall **0.44** releases per 1000 km year

5 year rolling average **0.21** releases per 1000 km year

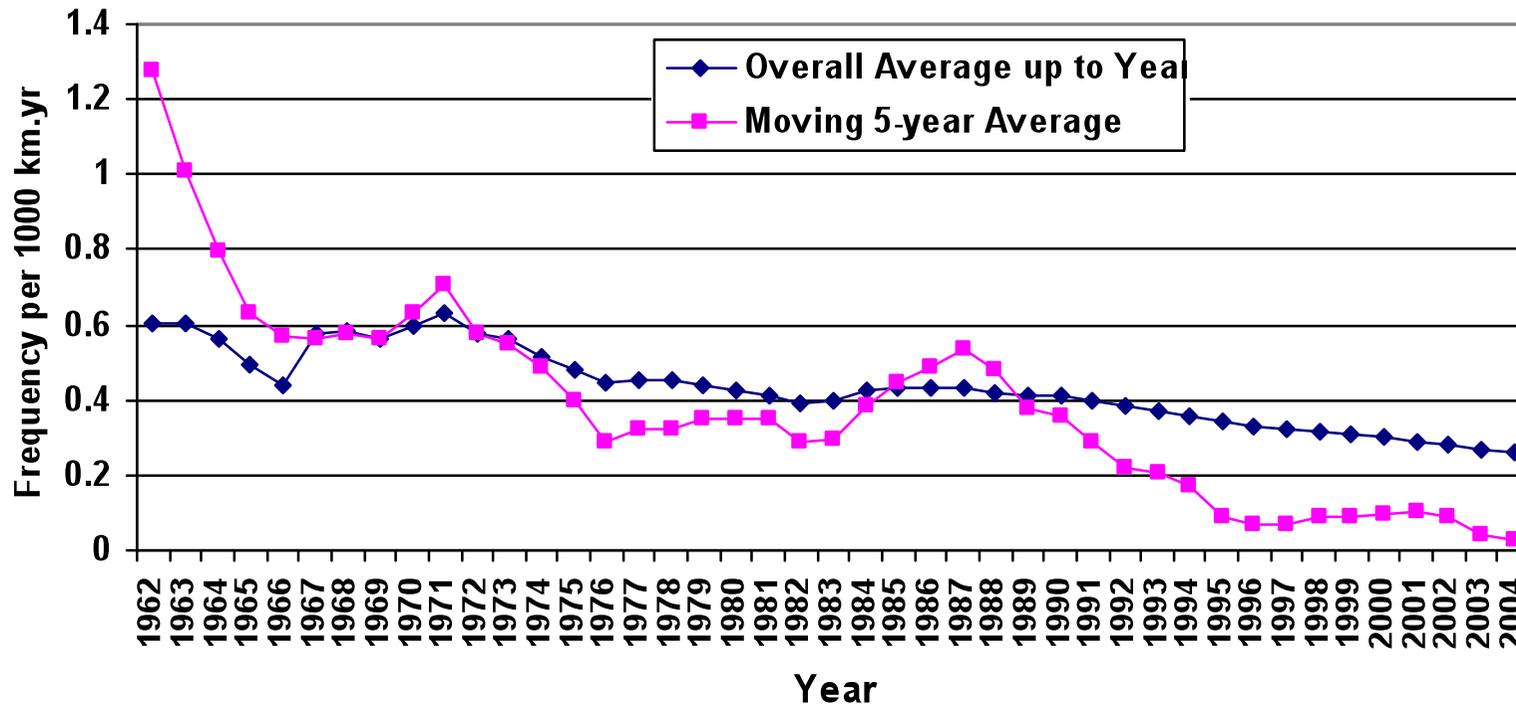
## UKOPA 1962-2004

Overall **0.26** releases per 1000 km year

5 year rolling average **0.028** releases per 1000 km year

## UKOPA report to end 2004

Development of Overall Incident Frequency



## **FDMG Objectives and deliverables in 2005**

**Collect data and publish failure data biannually  
(to end 2004)**

**Utilise, improve and promote the new web based  
data collection tool for pipeline faults and failures.**

**Develop the Advantica predictive model for the  
use of failure prediction based on faults**

**Action specific requests from the risk assessment  
work group**

**Promote best practice in the pipeline industry**

# UKOPA

United Kingdom Onshore Pipeline Operators' Association

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## QUESTIONS