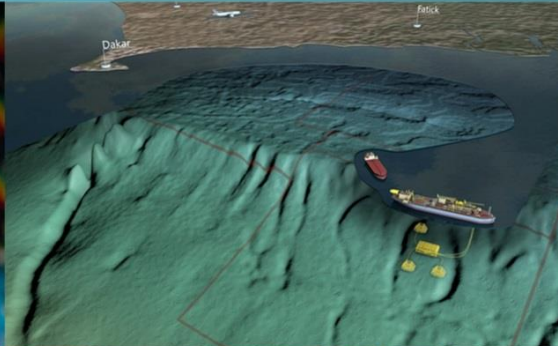




Careers in Earth Science Petroleum Industry

Pauline Rovira – Cairn Energy





Disclaimer

These materials contain forward-looking statements regarding Cairn, our corporate plans, future financial condition, future results of operations, future business plans and strategies. All such forward-looking statements are based on our management's assumptions and beliefs in the light of information available to them at this time.

These forward-looking statements are, by their nature, subject to significant risks and uncertainties and actual results, performance and achievements may be materially different from those expressed in such statements. Factors that may cause actual results, performance or achievements to differ from expectations include, but are not limited to, regulatory changes, future levels of industry product supply, demand and pricing, weather and weather related impacts, wars and acts of terrorism, development and use of technology, acts of competitors and other changes to business conditions.

Cairn undertakes no obligation to revise any such forward-looking statements to reflect any changes in Cairn's expectations with regard thereto or any change in circumstances or events after the date hereof.



Overview

- Brief introduction
- Company overview
- My role
- Why the geosciences and the petroleum industry?
- Career requirements

- Questions

Background



University
of Glasgow

Imperial College
London



MAERSK
OIL

badley ashton

A horizontal bar with a rainbow gradient, transitioning from yellow on the left to red, purple, and green on the right.

- Pauline Rovira
- BSc (Hons) Earth Science – University of Glasgow (2010-14)
- MSc Petroleum Geoscience – Imperial College London (2014-15)
 - Maersk Oil scholarship
 - Thesis: ‘The structural evolution and petroleum story of part of Haute Provence (SE France), a field based approach’
- Placement at Badley Ashton (Oct-Nov. 2015)
 - Borehole image interpretation study

Background



- Joined Cairn Energy as a Geoscience Technical Assistant - January 2016
- Work within the Core Function Team
 - Varied work
 - Overview of all the asset teams

Company Overview

- Office locations:
 - Edinburgh (HQ)
 - London
 - Stavanger, Norway
 - Dakar, Senegal
- Around 50 Geoscience staff



Company Overview

Cairn Energy PLC is an independent, UK based oil and gas exploration and development company. Cairn has explored, discovered, developed and produced oil and gas in a variety of locations throughout the world with more than 20 years' experience as operator and partner in all stages of the oil and gas lifecycle



Kraken and Catcher, two of the largest new projects in the UK North Sea, are the Group's core development projects



Returned a total of \$4.5 billion to shareholders in the last five years



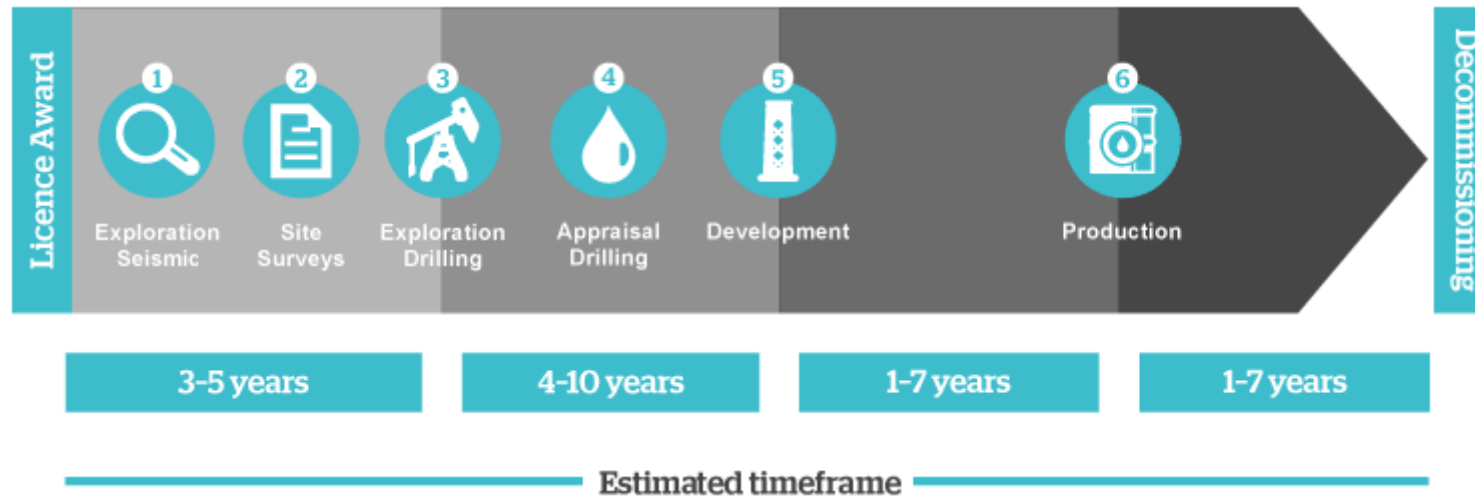
In 2014 Cairn made two significant discoveries in Senegal, one of which was potentially the largest global discovery in 2014



Listed on the London Stock Exchange since 1988



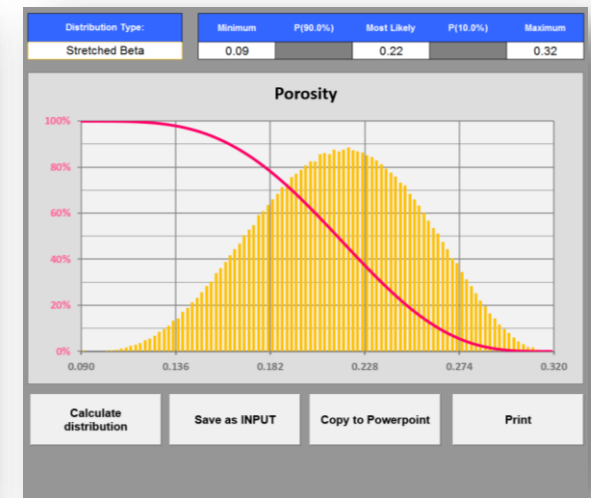
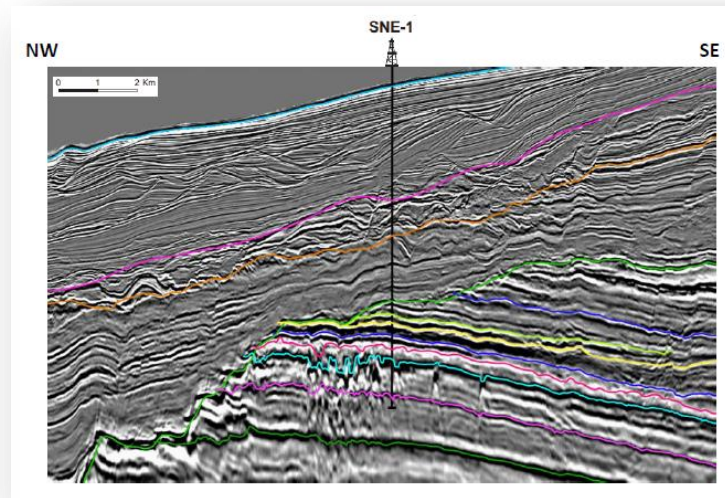
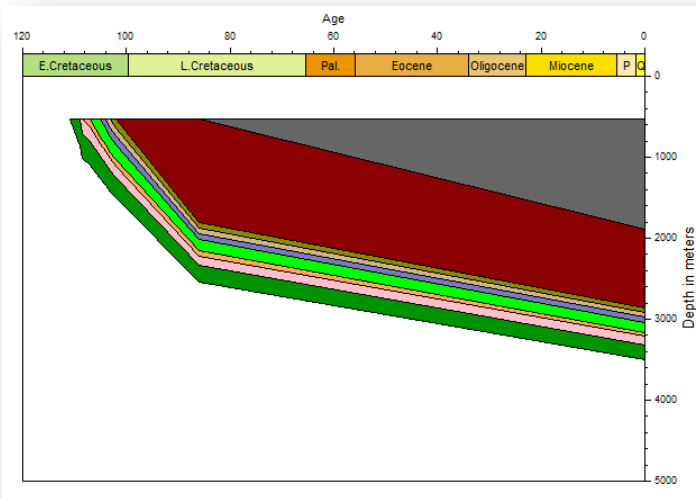
Exploration



- **Where** do we look for new resources?
- What are the **chances** of finding oil or gas?
- **How much** are we likely to find?

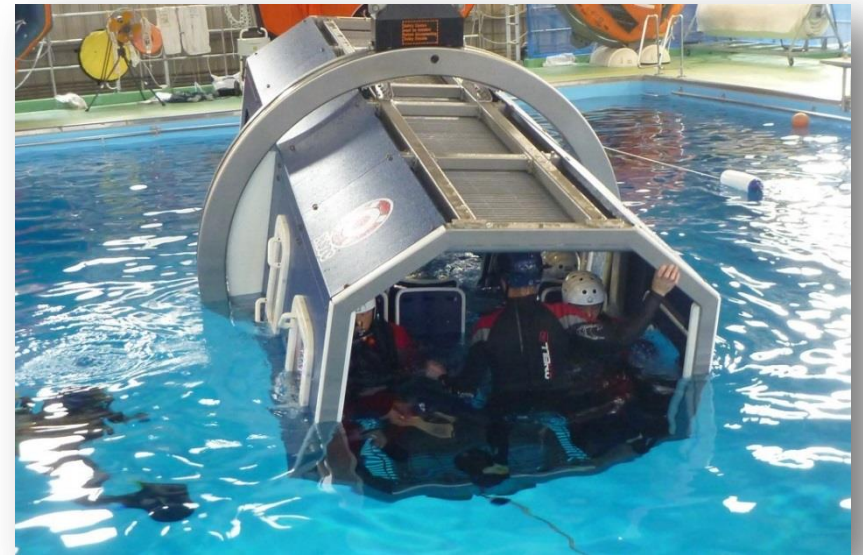
My Role

- Peer reviews
- Volumetrics and risking
- Modelling
- Portfolio maintenance
- Exposure to exploration in multiple frontier and emerging basins
- Working knowledge in variety of programmes and software



My Role

- Field trips
 - One major trip every year (e.g. Utah, Bahamas, Ireland)
 - Other half-day trips in the vicinity of Edinburgh
- Training and development



Why the Petroleum Industry?

- Varied work covering a huge range of disciplines
 - Basin histories, seismic interpretation, geochemistry, petrophysics, geophysics, prospect evaluation, sedimentology
- Excellent training and career progression
 - Most oil and gas companies offer graduate programmes and room for employees to learn more about what they like with progression routes to suit everyone
- Opportunity to travel
- Responsibility
- Good benefits and salaries
- Sociable work environment



Requirements

- Good academics
 - BSc 2:1
 - MSc
- Experience
 - Summer internships, university projects
- Take relevant modules if your university offers them
- Become involved in societies
 - e.g. PESGB, AAPG, EAGE
- Extra-curricular activities

- A well structured and presented CV
- Anything that will make you stand out and convince potential employers you would create value

Recruitment

➤ MSc

- Personal Statement
- CV
- Interview (particularly for funding)

➤ Jobs

- CV
- Psychometric tests
- Interviews (technical and non-technical)





Thank you – any questions?