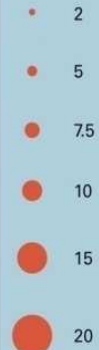
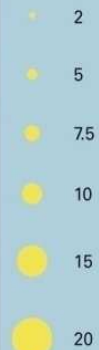


# 4 UK clusters ?

CO<sub>2</sub> emissions  
Mt/annum



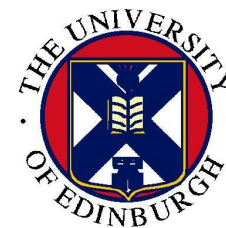
Gas/oil fields, storage capacity in million tonnes



Pipelines would transport the compressed CO<sub>2</sub> into oil and gas fields in the North Sea

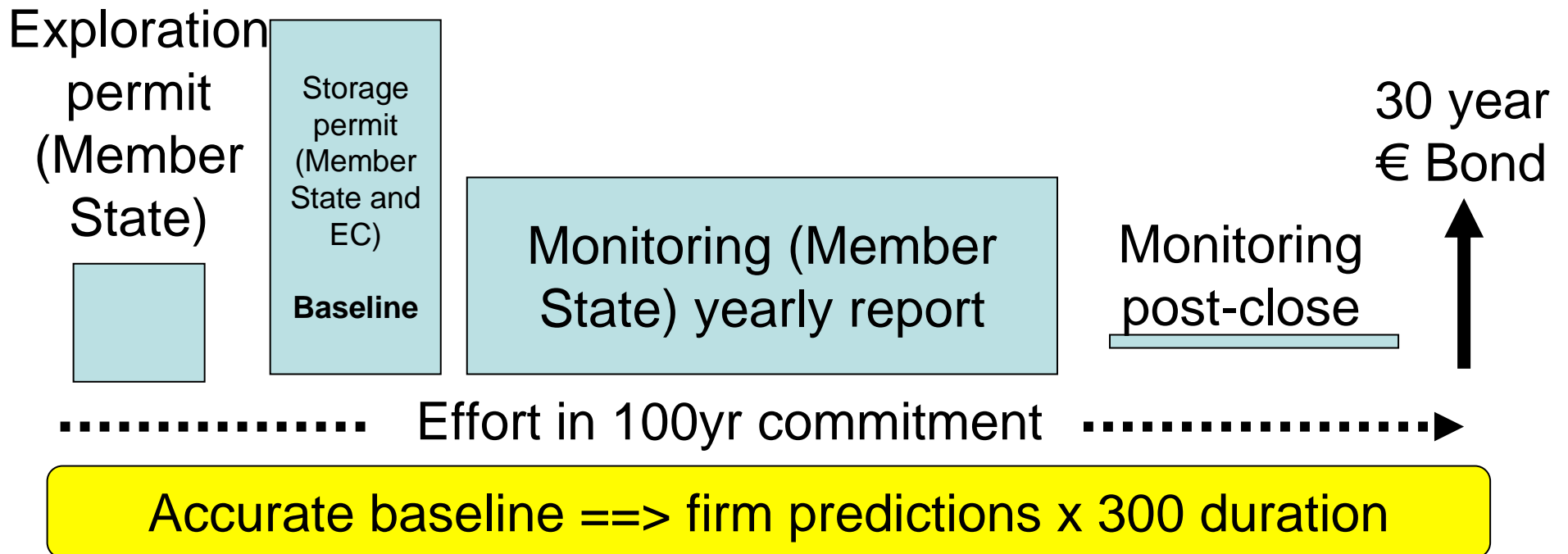
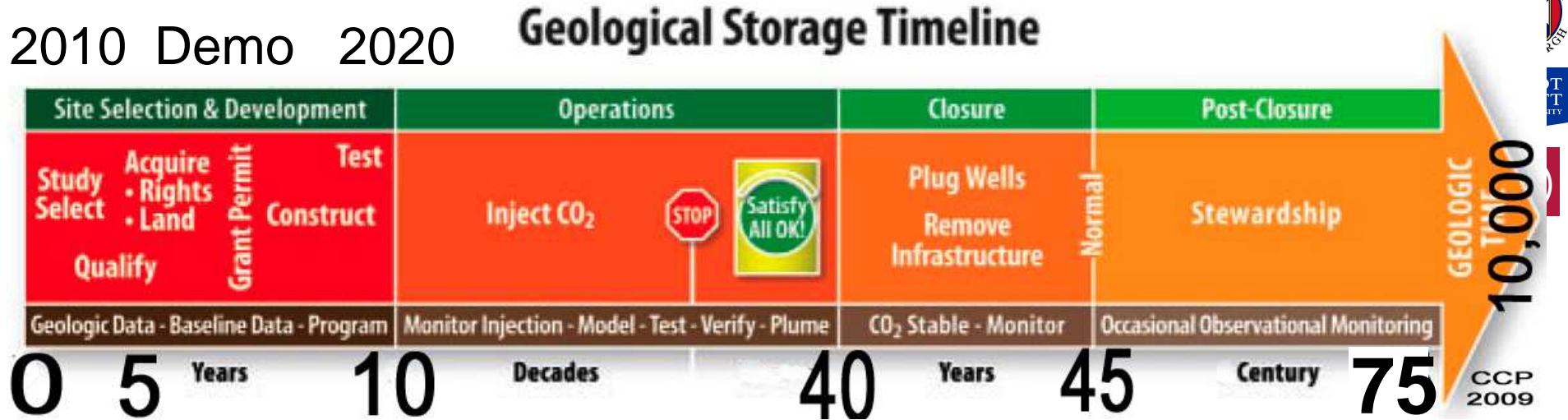


Stuart HASZELDINE  
University of Edinburgh



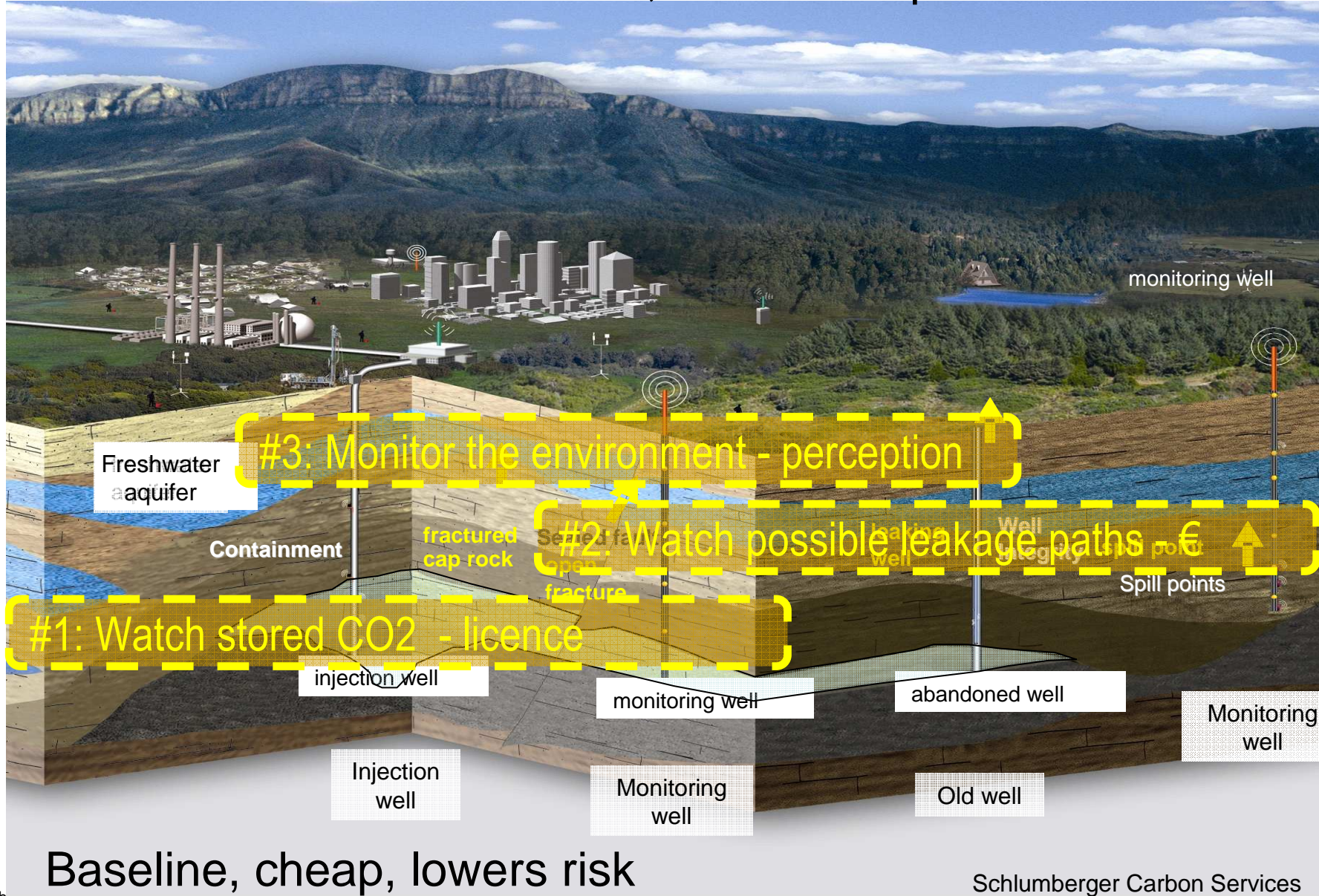
[www.geos.ed.ac.uk/sccs/](http://www.geos.ed.ac.uk/sccs/)

# Short project, long CO2 storage



# Objectives of Monitoring

To enable handover to State, and create public confidence



# This is an academic meeting ....

And so is likely to specify everything, in detail,

And to include each person's discipline and technique

BUT

CCS may be a waste disposal operation

AND SO NEEDS TO BE :

Accurate,

AND

Appropriate risk, low cost, routine - not ideal and expensive

AIM: To understand what IS happening  
AND: to recommend research to improve the UK position



# Academic funding compared



£ 35 M

Is this a sensible split of funds, to enable all CCS?

£ 6 M



£ 0.4 M



EPSRC :  
Combustion, Capture,  
Materials (all funds £48M)  
Searching  
<http://ukerc.rl.ac.uk/ERCR000.html>

NERC :  
Environment and  
systems  
(nothing on storage or  
monitoring of CO<sub>2</sub>)

ESRC :  
Public and  
systems