Hydrocarbons in the Timor Sea

Dr. Myra Keep
University of Western Australia
18 field discoveries
67 exploration wells
27% success rate
13% for fields larger than 20 million barrels
19 field discoveries
74 exploration wells
26% success rate
7% success for fields larger than 20 million barrels
Greater Kelp
Sunrise High

7 field discoveries
16 exploration wells
Success rate 43%
31% for fields larger than 20 million barrels
SAHUL-NANCAR-FLAMINGO
3.4 trillion cubic feet of gas
50 billion cubic feet undeveloped
233 million barrels of condensate
4 million barrels undeveloped
337 million barrels of oil
227 million barrels undeveloped

GREATER KELP-SUNRISE
20.2 trillion cubic feet of gas
10.7 trillion cubic feet undeveloped
379 million barrels of condensate
54 million barrels undeveloped
No oil

VULCAN
1.3 trillion cubic feet of gas
1.2 trillion cubic feet undeveloped
31 million barrels of condensate
31 million barrels undeveloped
357 million barrels of oil
170 million barrels undeveloped

SAHUL-NANCAR-FLAMINGO
3.4 trillion cubic feet of gas
50 billion cubic feet undeveloped
233 million barrels of condensate
4 million barrels undeveloped
337 million barrels of oil
227 million barrels undeveloped
44 field discoveries
157 exploration wells
24.9 trillion cubic feet of gas (11.9 undeveloped)
643 million barrels of condensate (89 undeveloped)
694 million barrels of oil (397 undeveloped)
Opportunities - Deepwater

- Large unexplored areas
- Potential for undiscovered gas
- 2D seismic
- Low probability for large oil fields
Opportunities – Shallow water

- Similar geological setting to Buru and Seram
- East Nief and Bula fields, Seram
- Small breached fields
- Similar to Viqueque and Suai basins?
Opportunities - onshore

- Oil seeps
- Geology – field trips
- Only onshore exposure of the rocks of the North West Shelf
- Interesting for geologists from industry and academia
Opportunities - Education

- Research and training
- Students training abroad
- Foreign researchers coming to Timor-Leste
- Strategic alliances with universities