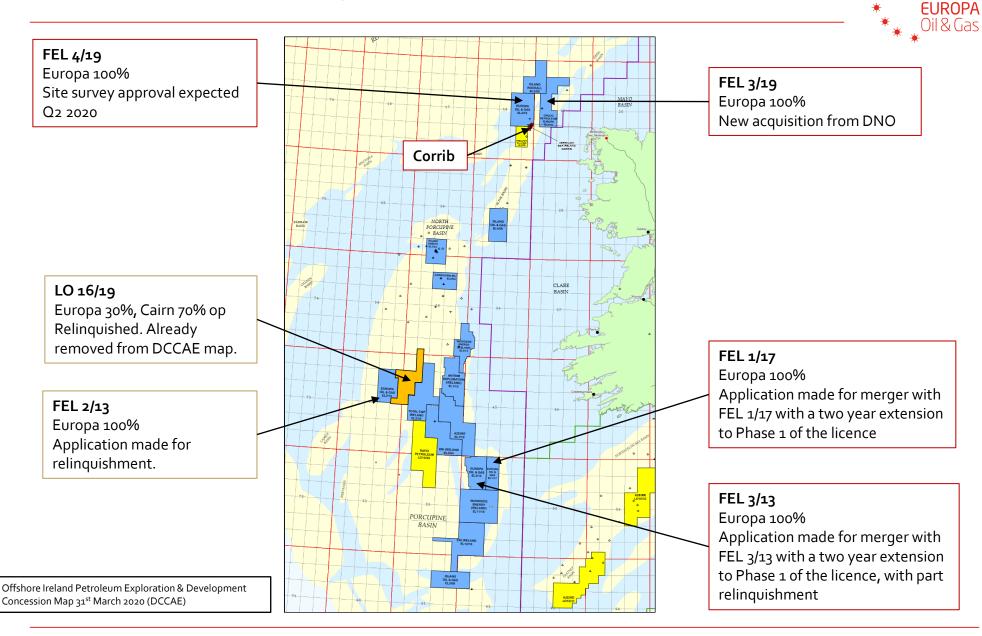
Europa's Acreage Position in Ireland



Irish Exploration Portfolio: Top Prospects



			Gross Prospective Resources bscf ~					Net Prospective Resources bscf ~			
			Un-risked				Un-risked				
Licence	Prospect	Play	Low	Best	High	Mean	Equity	Low	Best	High	Mean
FEL 4/19	Inishkea	Triassic gas	244	968	3606	1528	100%	244	968	3606	1528
FEL 3/19	The Edge ^{##}	Triassic Gas	39	330	2807	1185	100%	39	330	2807	1185
Total	Total										2713

In house prospective resources (oil)											
	Gross Prospective Resources mmboe*			nmboe*		Net Prospective Resources mmboe*					
			Un-risked					Un-risked			
Licence	Prospect	Play	Low	Best	High	Mean	Equity	Low	Best	High	Mean
FEL 3/13	Beckett	Cretaceous Fan	111	758	4229	1719	100%	111	758	4229	1719
FEL 3/13	Shaw⁺	Cretaceous Fan	20	196	1726	747	100%	20	196	1726	747
FEL 3/13	Wilde	Cretaceous Fan	45	241	1082	462	100%	45	241	1082	462
FEL 1/17	Ervine	Pre-rift	63	159	363	192	100%	63	159	363	192
FEL 1/17	Edgeworth	Pre-rift	49	156	476	225	100%	49	156	476	225
FEL 1/17	Egerton	Syn-rift	59	148	301	167	100%	59	148	301	167
FEL 1/17	PR3	Pre-rift	27	168	833	345	100%	27	168	833	345

However, due to the significant uncertainties in the available geological information, there is a possibility of gas charge.

⁺prospect extends outside licence, volumes are on-licence

~ billion standard cubic feet

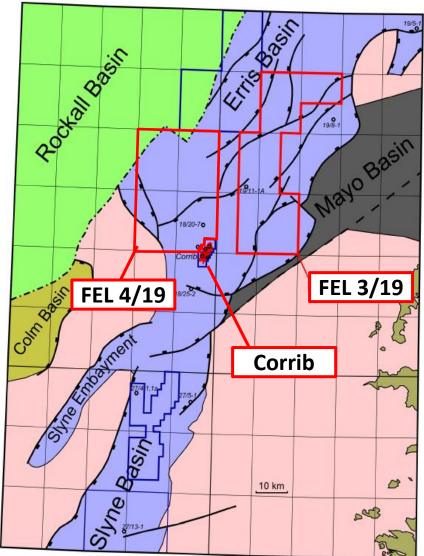
Subject to regulatory approval. After Lawson & Hawkes, Atlantic Ireland, 2016.

New Acquisition – FEL 3/19



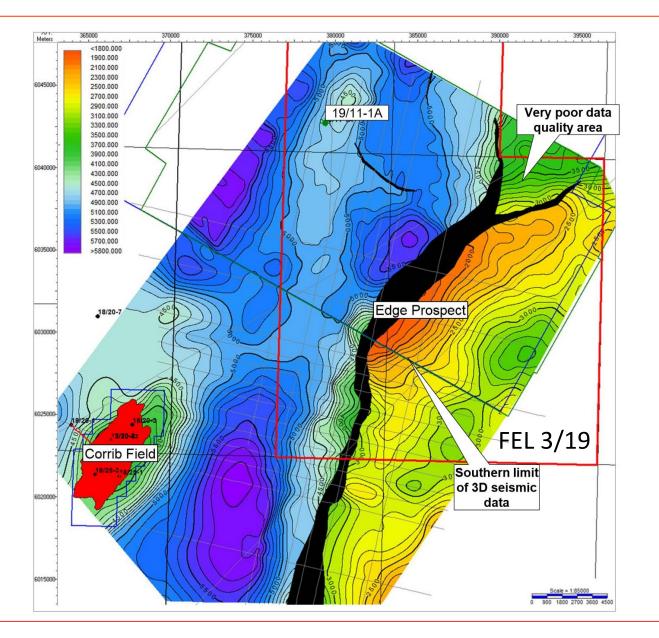
FEL 3/19

- Originally LO 16/23 960 km² awarded in 2015 Atlantic
 Margin Round to Faroe Petroleum
- Converted to FEL 3/19 on 1st July 2019 for a 3-year initial term.
- *Europa 100% interest holder and Operator
- All work commitments on FEL 3/19 have been fulfilled
- Located 18 km from Corrib Gas field, Corrib pipeline passes through FEL 3/19
- Proven Corrib Sandstone play type, with Mercia Mudstone top seal and Carboniferous source.
- Edge Prospect is a large rotated fault bock, 55km² in area, located in shallow water depths (c. 275m)
- ~1.2 TCF mean unrisked prospective resources.
- Dip closed part of prospect entirely covered by 3D seismic recently re-processed with significant uplift
- Edge prospect is drill ready

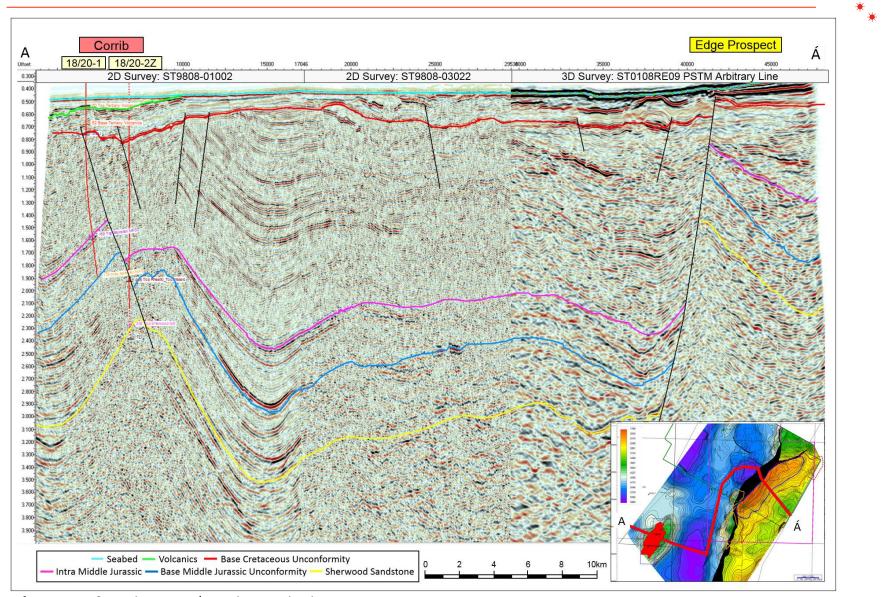


Slyne Basin Core Area – Gas exploration. **EUROPA** Oil & Gas FEL 3/19 **Jurassic Leads** FEL 4/19 **3D Seismic** 18/20-7 Database gas discovery **3D** Seismic **Triassic Leads** Edge Database **Prospect** (1.2 Tcf) Inishkea Prospect (1.5 Tcf) **Corrib Pipeline** ╋ Corrib **Gas field** 0 1 2 3 4 5 6 7 8 9 10 Faults at Triassic level km

Corrib Sandstone Depth Map



Seismic Line – Corrib to Edge Prospect



After Lawson & Hawkes, LO 16/23, Atlantic Ireland 2016.

EUROPA Oil & Gas

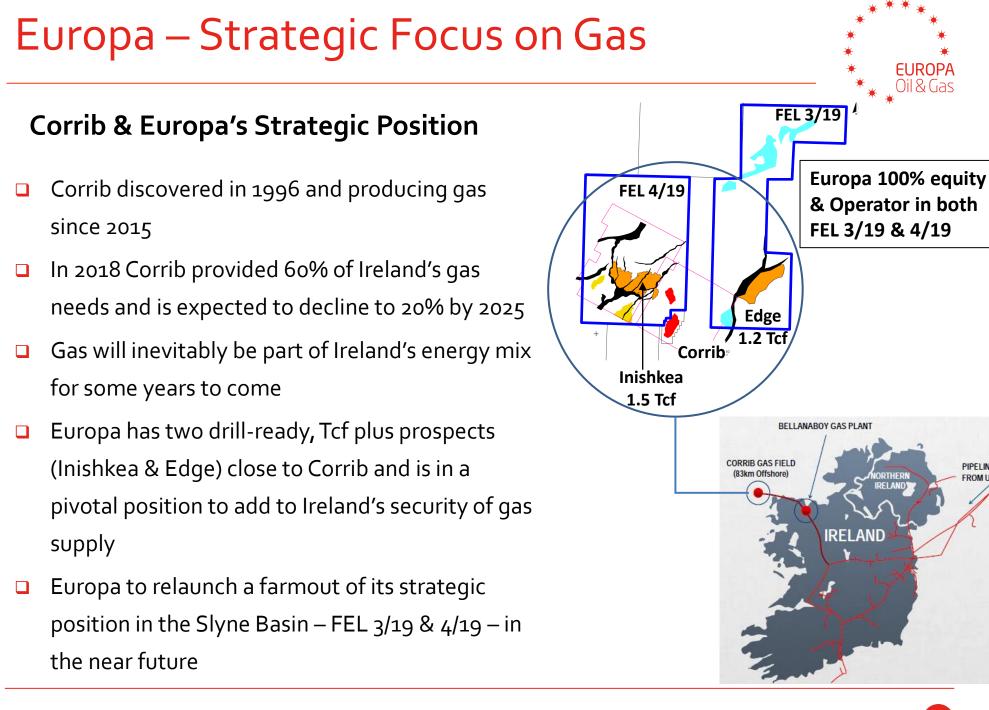
Volumes and Risks



Input Parameters	Mean	P90	P50	P10	Marr. 17500 30000 36000 30000 36000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -1800.000 -18
Gross rock volume (MM m ³)	3519	140	1,102	8,675	
Net to Gross (%)	64	39	65	89	
Porosity (%)	13	8	13	17	400.000 400.000 400.000 400.000 400.000
Gas saturation (%)	70	60	70	80	
Gas expansion factor (1/Bg)	245	206	245	284	P90 closing contour at 1875m. GRV assuming 300m
Recovery factor (%)	68	55	69	80	xxxxxx gross reservoir = 140mm ²
Hydrocarbons in Place (Bcf)	1751	59	494	4,207	P10 closing contour at 2500m. GRV assuming 300m gross
Hydrocarbon Reserves (Bcf)	1185	39	330	2,807	reservoir = 8675mm ³

- Mean reserves of 1.2 Tcf
- POS of 0.15
- Critical risks on trap definition and seal

After Lawson & Hawkes, LO 16/23, Atlantic Ireland 2016.



PIPEL INE

FROM UK