

Unconventional Hydrocarbons in the UK Energy System: Environmental & socio-economic impacts & processes

Challenge 1: The evolving shale gas landscape (one project)

Challenge 2: Shale resource potential, distribution, composition, mechanical and flow properties (one project)

Challenge 3: Coupled processes from reservoir to surface (one project)

Challenge 4: Contaminant pathways and receptor impacts (one project)

Challenge 5: Socio-economic impacts (three projects)

Challenge	Rank	Research Excellence	Fit to Scheme	Grant Reference	Lead / Sole Grant (Y/N)	Grant Holder	Research Organisation	Project Title
1	1	7	4	NE/R017492/1	Y	Professor Richard Davies	Newcastle University	Assessing and Monitoring the UK Shale Gas Landscape (UKSGL)
1	1	7	4	NE/R017573/1	N	Professor Robert Ward	Newcastle University	Assessing and Monitoring the UK Shale Gas Landscape (UKSGL)
2	1	8	5	NE/R017883/1	N	Dr Julian Mecklenburgh	The University of Manchester	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties
2	1	8	5	NE/R017964/1	N	Dr Jan Hennissen	NERC British Geological Survey	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties
2	1	8	5	NE/R017972/1	N	Dr Tim Pritchard	University of Leicester	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties
2	1	8	5	NE/R018022/1	N	Dr Jingsheng Ma	Heriot-Watt University	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties

2	1	8	5	NE/R018030/1	N	Professor Matthew Hall	University of Nottingham	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties
2	1	8	5	NE/R018065/1	Y	Professor Alastair Fraser	Imperial College London	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties
2	1	8	5	NE/R018162/1	N	Dr James Verdon	University of Bristol	An integrated assessment of UK Shale resource distribution based on fundamental analyses of shale mechanical & fluid properties
2	2	8	5	NE/R017689/1	N			Not funded
2	2	8	5	NE/R01776X/1	N			Not funded
2	2	8	5	NE/R017816/1	N			Not funded
2	2	8	5	NE/R017859/1	Y			Not funded
2	2	8	5	NE/R017867/1	N			Not funded
2	2	8	5	NE/R017948/1	N			Not funded
2	3	7	5	NE/R017719/1	N			Not funded
2	3	7	5	NE/R017794/1	N			Not funded
2	3	7	5	NE/R017824/1	Y			Not funded
2	3	7	5	NE/R018111/1	N			Not funded
3	1	9	5	NE/R01745X/1	N	Mr Andrew Kingdon	NERC British Geological Survey	Impact of hydraulic fracturing in the overburden of shale resource plays: Process-based evaluation (SHAPE-UK)
3	1	9	5	NE/R017484/1	N	Professor Daniel Faulkner	University of Liverpool	Impact of hydraulic fracturing in the overburden of shale resource plays: Process-based evaluation (SHAPE-UK)
3	1	9	5	NE/R017565/1	N	Professor Quentin Fisher	University of Leeds	Impact of hydraulic fracturing in the overburden of shale resource plays: Process-based evaluation (SHAPE-UK)
3	1	9	5	NE/R017840/1	N	Professor Andrew Aplin	Durham University	Impact of hydraulic fracturing in the overburden of shale resource plays: Process-based evaluation (SHAPE-UK)
3	1	9	5	NE/R018006/1	Y	Professor Michael Kendall	University of Bristol	Impact of hydraulic fracturing in the overburden of shale resource plays: Process-based evaluation (SHAPE-UK)

3	1	9	5	NE/R018057/1	N	Dr Mohamed Rouainia	Newcastle University	Impact of hydraulic fracturing in the overburden of shale resource plays: Process-based evaluation (SHAPE-UK)
3	2	8	5	NE/R017743/1	N			Not funded
3	2	8	5	NE/R017778/1	N			Not funded
3	2	8	5	NE/R01793X/1	N			Not funded
3	2	8	5	NE/R018073/1	Y			Not funded
3	3	6	5	NE/R017557/1	Y			Not funded
3	3	6	5	NE/R017581/1	N			Not funded
3	3	6	5	NE/R017700/1	N			Not funded
3	4	4	3	NE/R017506/1	N			Not funded
3	4	4	3	NE/R017697/1	N			Not funded
3	4	4	3	NE/R017891/1	N			Not funded
3	4	4	3	NE/R017905/1	Y			Not funded
4	1	7	5	NE/R017360/1	N	Dr David Lowry	Royal Holloway, Univ of London	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R017549/1	N	Professor Mathew Evans	University of York	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R017638/1	N	Dr Grant Allen	The University of Manchester	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R017832/1	N	Dr Fred Worrall	Durham University	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R017913/1	N	Dr JA Hall	Newcastle University	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R017956/1	N	Dr Maximilian Werner	University of Bristol	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R018049/1	N	Dr Christopher McDermott	University of Edinburgh	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)
4	1	7	5	NE/R01809X/1	Y	Professor Robert Ward	NERC British Geological Survey	Evaluation, Quantification and Identification of Pathways and Targets for the assessment of Shale Gas RISK (EQUIPT4RISK)

