Pre-conference field excursions

We have planned a series of short excursions for Sunday 30th April. These are primarily geared at participants who are combining DRT with EGU in Vienna which runs the previous week or otherwise need to stay over a Saturday night. You will need to arrive in Inverness on Saturday night (29th) to participate in any of these excursions.

Each trip will depart Inverness at 09:15 and return by c. 17:00, in time for the DRT icebreaker reception at the conference venue (Eden Court).

The cost of each of these is estimated at £25/person (excluding lunch).

You will be able to sign up for one of these excursions once the conference registration open online later in 2016. We will circulate further information (including rendezvous location) to participants a few weeks before departure.

Note: we reserve the right to consolidate these trips if there is little interest one or more of them.

For more information:
Visit [http://www.abdn.ac.uk/events/drt2017](http://www.abdn.ac.uk/events/drt2017)
Email drt2017@abdn.ac.uk
The pre-conference field excursions

Option 1. Lewisian complex
The Lewisian Complex is a fragment of the Laurentian Shield left behind by the opening of the North Atlantic. It comprises Archaean (“Scourian”) granulite and amphibolite facies rocks intruded by a suite of basic dykes and then overprinted by Proterozoic (“Laxfordian”) amphibolite facies deformation. The dykes are variably deformed and this is one of the first areas where it was realised that such features can be used to unravel deformation histories in high grade rocks lacking stratigraphy. In the southern Lewisian all rocks are at amphibolite facies but varying states of deformation abound. We will look at a spectrum of dyke-country rock relationships. The generally quartzo-feldspathic gneisses were originally intrusives and in some places surround and probably intruded into “early” basic rocks, now amphibolites.

Option 2. Clashach and Burghead area
Deformation in the Hopeman Sandstone (Permian). These strata are analogues of subsurface hydrocarbon reservoirs and contain faults with associated damage zones containing arrays of deformation bands – amongst the best in NW Europe. These outcrops are on accessible rocky shores on the Moray coast, to the East of Inverness.

Normal fault at Clashach Cove.
Option 3. Loch Monar
Superposed folding and associated ductile deformation in Moine metasediments. The classic location for fold interference patterns, exposed on easily accessible, glaciated slabs around the reservoir. In the hills to the West of Inverness.

The outcrops at Loch Monar

Option 4. Beinn Eighe National Nature Reserve
A walk into the classic imbricate systems of the southern Moine Thrust Belt. This involves c 550m ascent and c 5 km walking (for 4-5 hours) along a rough path (nature trail). Near Kinlochewe, Wester Ross (one hour West of Inverness).

The Beinn Eighe ridge – seen from the nature trail.