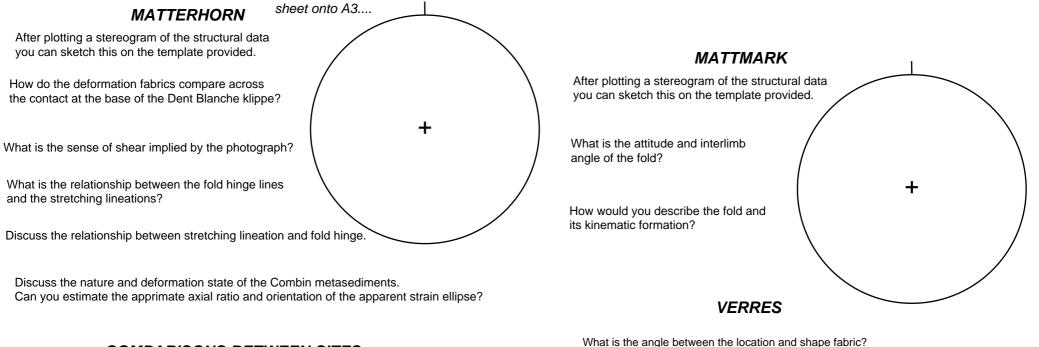
EARS1053 Structural Geology Rob Butler

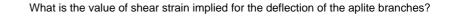
Internal Alps worksheet

This worksheet is to be used in conjunction with the virtual field excursion to the Internal Alps. Students can use this sheet to help answer the related MCQ. You are advised to enlarge this



COMPARISONS BETWEEN SITES

List the structures found in the three Internal Alps sites.



What is the chief shearing direction found in the sites (is it broadly consistent)?

Which of the following terms best describe the deformation in the Internal Alps?

Pressure solution

Lots of cataclasis and brittle faulting

Upright folds

High values of distortional strain Open folds Intense shear that has made different linear recumbent and tight folds and different planar structures near parallel Strong stretching lineations

COMPARISONS BETWEEN INTERNAL AND EXTERNAL ZONES

Contrast the types of small-scale structures and the large-scale structural styles between the Internal and External Alps.

How do the movement-direction indicators compare between the two zones?

Sheath folds

Fault-bend folds