

Sharing knowledge...

The recent BSBI *Euphrasia*
workshop, with Chris Metherell

3x handouts:

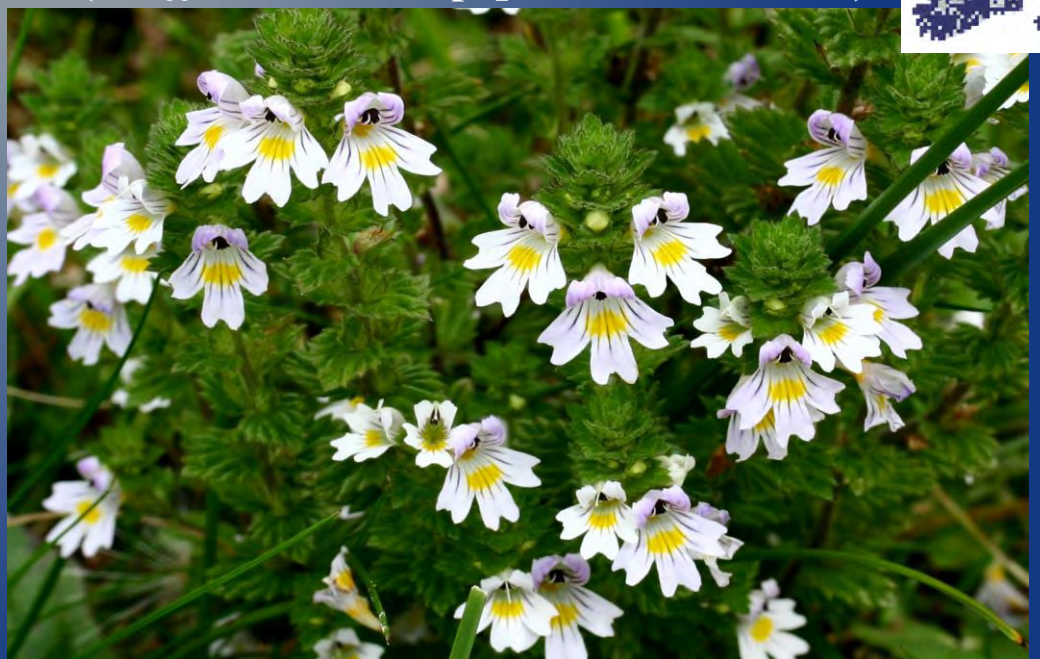
- short overall key
- comparative tables for 3x groups
- species descriptions

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Irish Species

- x11 known
- two diploids
- rest tetraploids

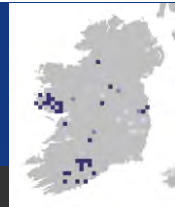
Euphrasia rostkoviana
(*E. officinalis* subsp. *pratensis* in Stace)



Glandular Hairs



Euphrasia anglica
(*E. officinalis* subsp. *anglica* in Stace)



Euphrasia arctica



Euphrasia nemorosa



Euphrasia confusa



Euphrasia pseudokernereri



Euphrasia tetraquetra



Euphrasia micrantha



Euphrasia scottica



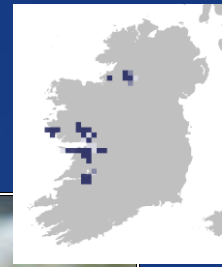
Euphrasia frigida



Gróa Valgerður Ingimundardóttir



Euphrasia salisburgensis



www.irishwildflowers.ie

Two species which *may* occur in
Ireland:

- *E. ostenfeldii*
- *E. heslop-harrisonii*

Some tips:

Most of what you see are species (i.e. not hybrids) – somewhat comforting!

- But many specimens/samples will be on a 'spectrum' of variation

⇒ Important to pick at least 6 specimens to examine

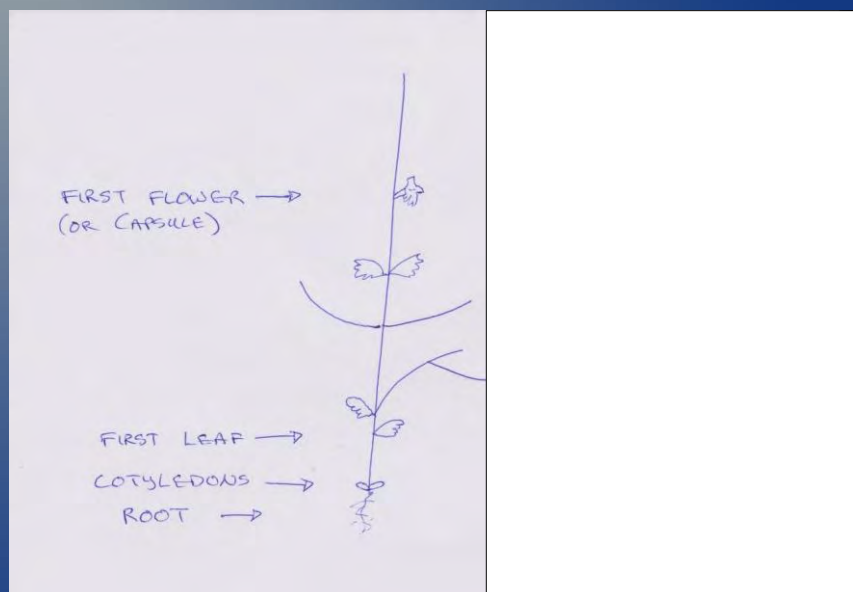
⇒ Important to take the root (comes up easily – and if it doesn't, it might be *E. tetraquetra*!)

[Obviously – only do so if there are very many plants apparent]

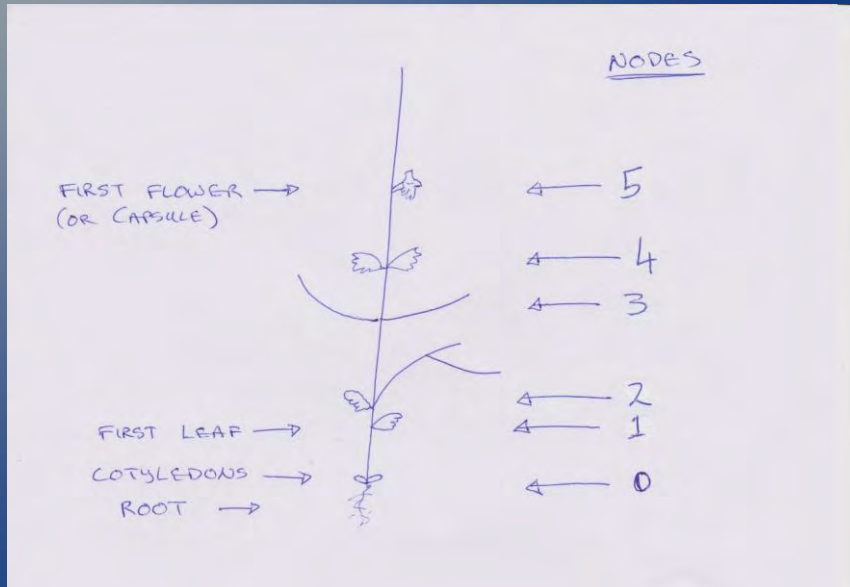
⇒ June and July best times of year

⇒ Really useful to have a 'scale loupe', or a hand/magnifying lens with a graduations/ruler on it (to 0.5mm resolution)

What to look at on the specimen...



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What to look at on the specimen...

- Measure length flower
- Give ratio of leaf length to internode length
- **Capsule** – ratio length to width, ratio capsule to calyx, hairs (if yes, *E. salisburgensis*)
- **Hairs** – look at the top of the plant

⇒ General rule: ignore anything on a branch

⇒ General rule: generally no branching above the first flower (some plants may do, but ignore)

FINAL NOTES:

Hairiness variable – don't fall into this common trap

BSBI handbook due late 2016/early 2017

Build up a reference collection, try to get it checked/refereed

Euphrasia study group - ~50ppl, email Chris to be added to mailing list: chris@metherell.org.uk

Euphrasia field trip in Ireland in 2017 – interested??

Alexis – new hybrid for Monaghan

BIG THANKS TO CHRIS FOR THE WORKSHOP AND SLIDES!