



Further supporting materials

There are various useful external habitat and ID videos available online. Below are links to a number that may be helpful within this theme.

Habitat videos:

During the Tomorrow's Biodiversity project, the Field studies council worked with NPMS and ecologist Nick Law to produce a series of video guides to habitats classified by the national Plant Monitoring Scheme (NPMS). These films are designed to help NPMS volunteers decide which habitat type their survey plots are in: <https://www.fscbiodiversity.uk/NPMShabitats>

Individual videos listed below:

A guide to NPMS habitats – dry acid grassland: <https://www.youtube.com/watch?v=y-foQ4TJhu8>

A guide to NPMS habitats – dry heath: <https://www.youtube.com/watch?v=xQGkp19sjE0&list=PLdau3Elomlis22jD4cjotYZDoydm-uINC>

A guide to NPMS habitats – Neutral Pastures and meadow: <https://www.youtube.com/watch?v=RUt7KAKc-YE&list=PLdau3Elomlis22jD4cjotYZDoydm-uINC>

A guide to NPMS habitats – Neutral damp grassland: https://www.youtube.com/watch?v=vDJJnA_66VI&list=PLdau3Elomlis22jD4cjotYZDoydm-uINC

Understanding grassland types: <https://www.youtube.com/watch?v=db0-yL2OShE>

Semi-natural grasslands – precious resources under threat: webinar with Maria Long: <https://www.youtube.com/watch?v=LciwCvx7khk>

Grasslands- Biomes Episode 5: <https://www.youtube.com/watch?v=Yy191KVBNP0>

Additional links from the Heathland habitats resources (including dry heaths):

Heathland a forgotten habitat: <https://www.youtube.com/watch?v=NYGgYOnUsP4>

Natural Futures - Heathland: <https://www.youtube.com/watch?v=0oXoE8yvxRQ>

Wildflowers of Heathland: <https://www.youtube.com/watch?v=bV4TqHnUxPY>

What species can be found in Dry Heathland?: <https://www.youtube.com/watch?v=oD4q6Wews-Y>

A guide to NPMS habitats: dry heath: <https://www.youtube.com/watch?v=xQGkp19sjE0>

Further Heathland habitat specific resources and links can be found in the W5 Heathland supporting materials here:

<https://www.npms.org.uk/sites/default/files/training/W5%20Heathland%20supporting%20materials.pdf>

Species identification videos:

Yarrow (*Achillea millefolium*): <https://www.youtube.com/watch?v=TzdEmDYghhY>

Sweet Vernal-grass (*Anthoxanthum odoratum*): <https://www.youtube.com/watch?v=ostrEvQsY-g>
(identification 8:50-11:00)

Kidney Vetch (*Anthyllis vulneraria*): <https://www.youtube.com/watch?v=vVW3C18MP9c>

Meadow Oat-grass (*Avenula pratense*)(*Helictotrichon pratense*):
<https://www.youtube.com/watch?v=ostrEvQsY-g> (identification 19:45-22:30)

Betony (*Betonica officinalis*)(*Stachys officinalis*): <https://www.youtube.com/watch?v=YNTClivOCfk>;
<https://www.youtube.com/watch?v=SI35JUsVK7o>

Hard-fern (*Blechnum spicant*): <https://www.youtube.com/watch?v=3m4rcwYXtho>

Quaking-grass (*Briza media*): <https://www.youtube.com/watch?v=ostrEvQsY-g> (identification 26:20 – 28:10)

Upright Brome (*Bromopsis erecta*): <https://www.youtube.com/watch?v=ostrEvQsY-g> (identification 10:55 – 13:26)

Common Heather (*Calluna vulgaris*): <https://www.youtube.com/watch?v=bV4TqHnUxPY>
(identification 2.24-3.20); <https://www.youtube.com/watch?v=gKy1aRPZ8Qo>

Marsh-marigold (*Caltha palustris*): <https://www.youtube.com/watch?v=jABHQj2BMn8>

Clustered Bellflower (*Campanula glomerata*): <https://www.youtube.com/watch?v=9QfAUXZpssE>

Harebell (*Campanula rotundifolia*): <https://www.youtube.com/watch?v=j2KKajlkeiA>

Cuckooflower/Lady's Smock (*Cardamine pratensis*):
<https://www.youtube.com/watch?v=xRDIY9nDgMk>

Musk Thistle/Nodding Thistle (*Carduus nutans*): <https://www.youtube.com/watch?v=2Wo8da-wEL8>

Common Mouse-ear (*Cerastium fontanum*): <https://www.youtube.com/watch?v=GJnp-lqdofM>
(identification 3:28-4.50)

Creeping Thistle (*Cirsium arvense*): <https://www.youtube.com/watch?v=8ztDC2zOMBM>;
<https://www.youtube.com/watch?v=AnbvU8u-sBI>;
<https://www.youtube.com/watch?v=dgj0T5Gxjqs>

Autumn Crocus (*Colchicum autumnale*): <https://www.youtube.com/watch?v=3ELNY4jaJok>

Pignut (*Conopodium majus*): https://www.youtube.com/watch?v=RDc9_D1gu0M

Hawthorn (*Crataegus monogyna*): <https://www.youtube.com/watch?v=o-jRrb-XhWA;>
https://www.youtube.com/watch?v=Byzh_Jbpc3k;
<https://www.youtube.com/watch?v=KyZ0IK7EQfc>

Crosswort (*Cruciata laevipes*): <https://www.youtube.com/watch?v=BSMhg-YQnW0>

Common Spotted-orchid (*Dactylorhiza fuchsii*): <https://www.youtube.com/watch?v=FPK5frshpl4>

Wild Carrot (*Daucus carota*): <https://www.youtube.com/watch?v=QrnqeScEwUg>

Bell Heather (*Erica cinerea*): <https://www.youtube.com/watch?v=q86dA8ZJHP;>
<https://www.youtube.com/watch?v=bV4TqHnUxPY> (identification 5.10-6.24)

Dropwort (*Filipendula vulgaris*): <https://www.youtube.com/watch?v=9ZS76SP8ls8>

Cleavers/Goosegrass (*Galium aparine*): <https://www.youtube.com/watch?v=JIHhpsUh5J4;>
<https://www.youtube.com/watch?v=344aKh-vidA;>
<https://www.youtube.com/watch?v=P0DDA4zkJco>

Wood Crane's-bill (*Geranium sylvaticum*): <https://www.youtube.com/watch?v=SZEOTQA-bA8>

Yorkshire-fog (*Holcus lanatus*): <https://www.youtube.com/watch?v=ostrEvQsY-g> (identification 5:40 – 7:02)

Cat's-ear (*Hypochaeris radicata*): <https://www.youtube.com/watch?v=ygTuv5bLDrY>

Yellow Iris (*Iris pseudacorus*): <https://www.youtube.com/watch?v=wl7pDRrlq6g>

Soft Rush (*Juncus effusus*): <https://www.youtube.com/watch?v=io8V603Rko4;>
https://www.youtube.com/watch?v=S1d-fYwN_fE

Compact Rush (*Juncus conglomeratus*): <https://www.youtube.com/watch?v=FHUZMW4ymIQ>

Oxeye Daisy (*Leucanthemum vulgare*): <https://www.youtube.com/watch?v=rIjDTKMG4FM>

Wood-sorrel (*Oxalis acetosella*): <https://www.youtube.com/watch?v=MAbZeEtXUEg>

Wild Parsnip (*Pastinaca sativa*): https://www.youtube.com/watch?v=ozqdU6_T1uU

Reed Canary-grass (*Phalaris arundinacea*): <https://www.youtube.com/watch?v=aPSWWmlz8Js>

Mouse-ear-hawkweed (*Pilosella officinarum*): <https://www.youtube.com/watch?v=F2RtBUFDsNE>

Buck's-horn Plantain (*Plantago coronopus*): https://www.youtube.com/watch?v=rR28nXG_oxM

Hoary Plantain (*Plantago media*): https://www.youtube.com/watch?v=S_MoMEuaUxI
(identification starts at 3:10)

Cowslip (*Primula veris*): <https://www.youtube.com/watch?v=XHvUCuwy7ts> (identification starts at 2:00)

Bracken (*Pteridium aquilinum*): <https://www.youtube.com/watch?v=0NYq8E9cUDk>

Bulbous Buttercup (*Ranunculus bulbosus*): https://www.youtube.com/watch?v=xNS-EjHI_Qk
(Warning: asks you to confirm your age however, there is nothing inappropriate about this video)

Creeping Buttercup (*Ranunculus repens*): <https://www.youtube.com/watch?v=X0UVoPIXtMo>

Yellow-rattle (*Rhinanthus minor*): <https://www.youtube.com/watch?v=m4FSwoMV3t0>

Common Sorrel (*Rumex acetosa*): <https://www.youtube.com/watch?v=m-D7aW3zG70>

Sheep's Sorrel (*Rumex acetosella*): <https://www.youtube.com/watch?v=eye7UjcRSaA;>

<https://www.youtube.com/watch?v=OQlu-b4Vwu8;>

<https://www.youtube.com/watch?v=ucLVfVZcOYY>

Curled Dock (*Rumex crispus*): <https://www.youtube.com/watch?v=j-kOYr4Fo5U>

Broad-leaved Dock (*Rumex obtusifolius*): <https://www.youtube.com/watch?v=2dwvfcGUIP4>

Meadow Saxifrage (*Saxifraga granulata*): <https://www.youtube.com/watch?v=xeBVbqoeAHU>

Small Scabious (*Scabiosa columbaria*): <https://www.youtube.com/watch?v=9pOXIxKDGMS>

Common Ragwort (*Senecio jacobaea*): <https://www.youtube.com/watch?v=S3zvE0VK4Lc>

Ragged-Robin (*Silene flos-cuculi*)(*Lychnis flos-cuculi*):

<https://www.youtube.com/watch?v=UmzLFy89TqM>

Perennial Sowthistle (*Sonchus arvensis*): <https://www.youtube.com/watch?v=LLwIW6Qq9sk>

Lesser Stitchwort (*Stellaria graminea*): <https://www.youtube.com/watch?v=47GrrN3ID-c>

Greater Stitchwort (*Stellaria holostea*): <https://www.youtube.com/watch?v=47GrrN3ID-c;>

<https://www.youtube.com/watch?v=mzAU4laVT8Q>

Devil's-bit Scabious (*Succisa pratensis*): https://www.youtube.com/watch?v=X0IK6tYt_fc

Common Comfrey (*Symphytum officinale*): <https://www.youtube.com/watch?v=-hLqh611RJA>

Large Thyme (*Thymus pulegioides*): <https://www.youtube.com/watch?v=RQ5cvzHStww>

Red Clover (*Trifolium pratense*): https://www.youtube.com/watch?v=9qWp_wD5ICc

Gorse species (*Ulex sp.*): <https://www.youtube.com/watch?v=7IAImkAwGqc>

Gorse (*Ulex europaeus*): <https://www.youtube.com/watch?v=7IAImkAwGqc>

Common Nettle (*Urtica dioica*): <https://www.youtube.com/watch?v=2ASTvp1pgLg>

Common Valerian (*Valeriana officinalis*): https://www.youtube.com/watch?v=intn1oC_xRw

Wall Speedwell (*Veronica arvensis*): <https://www.youtube.com/watch?v=Vx8nKrWKvus>

Heath Speedwell (*Veronica officinalis*): <https://www.youtube.com/watch?v=myjycxSkGn0>

Vicia cracca (*Tufted Vetch*): <https://www.youtube.com/watch?v=HwO5KQo1aCO>

Further online materials that may be useful:

Species websites:

Agrimony (*Agrimonia eupatoria*): <http://www.luontoportti.com/suomi/en/kukkakasvit/common-agrimony>

Marsh Foxtail (*Alopecurus geniculatus*): <http://www.plant-identification.co.uk/skye/gramineae/alopecurus-geniculatus.htm>

Daisy (*Bellis perennis*): <https://plantsam.com/bellis-perennis/>

Yellow-wort (*Blackstonia perfoliata*): http://wildflowersofireland.net/plant_detail.php?id_flower=327&Wildflower=Yellow-wort

Tor-grass/Heath False-brome (*Brachypodium pinnatum*): <http://drmgoeswild.com/grass-identification-the-tribes-of-grasses-5-brachypodieae/>

Field Mouse-ear (*Cerastium arvense*): <http://www.luontoportti.com/suomi/en/kukkakasvit/field-mouse-ear>; http://webidguides.com/templates/group_mouseear.html

Common Mouse-ear (*Cerastium fontanum*): http://webidguides.com/templates/group_mouseear.html

Dwarf Thistle (*Cirsium acaule*): [https://wildflowerfinder.org.uk/Flowers/T/Thistle\(Dwarf\)/Thistle\(Dwarf\).htm](https://wildflowerfinder.org.uk/Flowers/T/Thistle(Dwarf)/Thistle(Dwarf).htm)

Tufted Hair-grass (*Deschampsia cespitosa*): https://bsbi.org/wp-content/uploads/dlm_uploads/TEP_Deschampsia_espitosa.pdf#:~:text=Identification%20A%20large%20and%20strongly,narrow%20ligules%20with%20pointed%20ends.

Wavy Hair-grass (*Deschampsia flexuosa*): <https://archewild.com/species-spotlight-deschampsia-flexuosa-var-flexuosa-wavy-hairgrass/>; page 19
<https://www.rfs.org.uk/media/429098/compilation-booklet-05-09-with-10-missing-lq.pdf>

Small Cudweed (*Filago minima*): <https://www.irishwildflowers.ie/pages/837a.html>

Hedge Bedstraw (*Galium album*)(*Galium mollugo*): <https://www.naturespot.org.uk/species/hedge-bedstraw>; http://webidguides.com/templates/group_bedstraw.html

Common Marsh-bedstraw (*Galium palustre*): <http://www.luontoportti.com/suomi/en/kukkakasvit/marsh-bedstraw>; http://webidguides.com/templates/group_bedstraw.html

Heath Bedstraw (*Galium saxatile*): <http://www.luontoportti.com/suomi/en/kukkakasvit/heath-bedstraw>; http://webidguides.com/templates/group_bedstraw.html

Chalk Fragrant-orchid (*Gymnadenia conopsea*): <https://www.orchidstudygroup.org.uk/article-by-dr-roy-bailey-wood-2/6/>

Horseshoe Vetch (*Hippocrepis comosa*): <https://www.plantlife.org.uk/uk/discover-wild-plants-nature/plant-fungi-species/horseshoe-vetch>

Meadow Barley (*Hordeum secalinum*): <http://drmgoeswild.com/grass-tribes-triticeae/>

Ploughman's-spikenard (*Inula conyzae*):

[https://wildflowerfinder.org.uk/Flowers/S/Spikenard\(Ploughmans\)/Spikenard\(Ploughmans\).htm](https://wildflowerfinder.org.uk/Flowers/S/Spikenard(Ploughmans)/Spikenard(Ploughmans).htm)

Hard Rush (*Juncus inflexus*): <https://www.naturespot.org.uk/species/hard-rush>

Heath Rush (*Juncus squarrosus*):

https://niwa.co.nz/sites/niwa.co.nz/files/juncus_squarrosus_factsheet.pdf

Field Scabious (*Knautia arvensis*): <http://www.luontoportti.com/suomi/en/kukkakasvit/field-scabious>

Fairy Flax (*Linum catharticum*): <http://www.luontoportti.com/suomi/en/kukkakasvit/fairy-flax>

Mat-grass (*Nardus stricta*): page 2

<https://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=6298&p=0>; <http://www.plant-identification.co.uk/skye/gramineae/nardus-stricta.htm>;

<https://www.biodiversityireland.ie/wordpress/wp-content/uploads/HE4B.pdf>

Adder's-tongue (*Ophioglossum vulgatum*):

<https://gardengrimoire.wordpress.com/2018/02/19/the-difference-between-addlers-tongue-and-adders-tongue/>

Wild Marjoram (*Origanum vulgare*): <http://www.luontoportti.com/suomi/en/kukkakasvit/wild-marjoram>

Bird's-foot (*Ornithopus perpusillus*):

http://www.wildflowersofireland.net/plant_detail.php?id_flower=616&Wildflower=Bird%27s-foot

Greater Burnet-saxifrage (*Pimpinella major*):

<http://www.luontoportti.com/suomi/en/kukkakasvit/greater-burnet-saxifrage>

Silverweed (*Potentilla anserina*): <http://www.luontoportti.com/suomi/en/kukkakasvit/silverweed>

Weld (*Reseda luteola*): <https://www.illinoiswildflowers.info/weeds/plants/weld.htm>

Greater Burnet (*Sanguisorba officinalis*):

<http://www.luontoportti.com/suomi/en/kukkakasvit/great-burnet>

English Stonecrop (*Sedum anglicum*):

http://www.wildflowersofireland.net/plant_detail.php?id_flower=387&wildflower=Stonecrop,%20English

Pepper-saxifrage (*Silaum silaus*): <https://www.naturespot.org.uk/species/pepper-saxifrage#:~:text=Pepper%2Dsaxifrage%20%2D%20Silaum%20silau&text=A%20very%20variable%20plant%20with,sometimes%2C%20but%20not%20always%20present.>

Sand Sea-spurrey (*Spergularia rubra*): <http://www.luontoportti.com/suomi/en/kukkakasvit/red-sand-spurrey>

Wild Thyme (*Thymus polytrichus*):

[https://wildflowerfinder.org.uk/Flowers/T/Thyme\(Wild\)/Thyme\(Wild\).htm](https://wildflowerfinder.org.uk/Flowers/T/Thyme(Wild)/Thyme(Wild).htm); <http://www.plant-identification.co.uk/skye/labiateae/thymus-polytrichus.htm>

Hop Trefoil (*Trifolium campestre*): <https://www.first-nature.com/flowers/trifolium-campestre.php>

Lesser Trefoil (*Trifolium dubium*): <http://www.luontoportti.com/suomi/en/kukkakasvit/lesser-hop-trefoil>

Marsh Arrowgrass (*Triglochin palustre*):
<http://www.luontoportti.com/suomi/en/kukkakasvit/marsh-arrow-grass>

Western Gorse (*Ulex gallii*):
http://www.wildflowersofireland.net/plant_detail.php?id_flower=601&wildflower=Gorse,%20Western

Dwarf Gorse (*Ulex minor*):
[http://wildflowerfinder.org.uk/Flowers/G/Gorse\(Dwarf\)/Gorse\(Dwarf\).htm](http://wildflowerfinder.org.uk/Flowers/G/Gorse(Dwarf)/Gorse(Dwarf).htm)

Marsh Valerian (*Valeriana dioica*):
<https://www.uksouthwest.net/wildflowers/caprifoliaceae/valeriana-dioica.html>

Useful publications:

NPMS species identification guide:
https://www.npms.org.uk/sites/default/files/PDF/NPMS%20ID%20GUIDE_WEB_0.pdf

Techniques to ID plants: <https://www.youtube.com/watch?v=93gjF1IRhDw>

Grass terminology: <https://www.youtube.com/watch?v=aKLQesFd4Yg>

Grass identification: <https://www.youtube.com/watch?v=3dcbXAlgNlk>

Identifying common grasses: <https://www.youtube.com/watch?v=82WTcq12UUs&t=5s>

An introduction to grass identification with Dominic Price:
<https://www.youtube.com/watch?v=ostrEvQsY-g&t=666s>

Grasses, Sedges & Rushes of Whitelee:
<https://www.eastrenfrewshire.gov.uk/CHttpHandler.ashx?id=6298&p=0>

Rushes an introduction: <https://lizzieharper.co.uk/2018/07/rushes-an-introduction/>