

What species do we need and how can we improve the timber resource?



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> Confor UK Policy Conference London, 20 Nov 2025





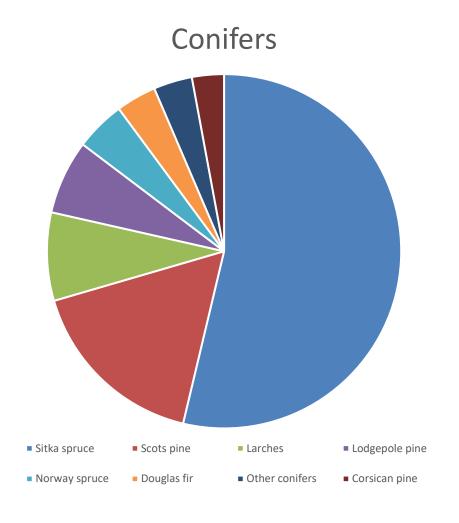




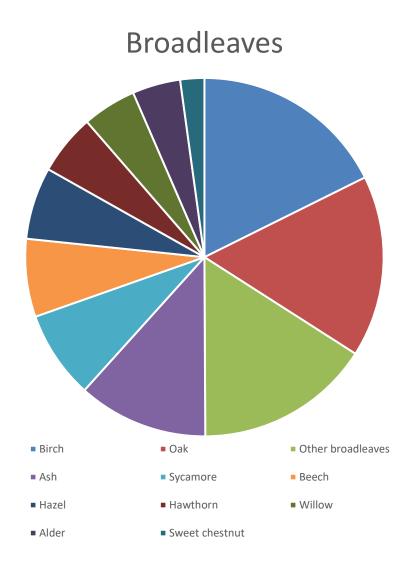




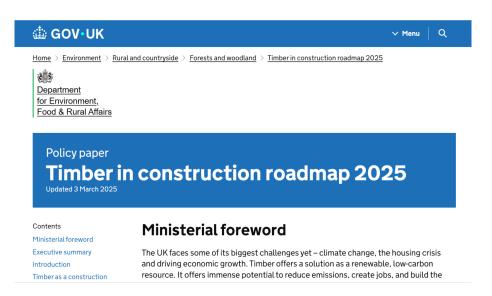




Source: Forestry Facts and Figures, 2024



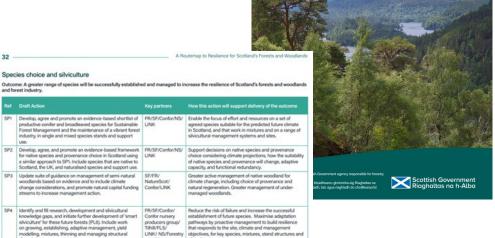






A Routemap to Resilience for Scotland's Forests and Woodlands







Work with Forest Research and other partners to create a future productive species selection tool for Wales, building on the tool created for Scotland. The tool establishes criteria to assess each species (broadleaf and conifer) against and can be weighted according to the priorities of the user, producing a short-list of highest-ranked species. This will feed into the work of the UK Forest Genetic Resources Group and inform future decisions, including prioritising future tree improvement strategies.

Principal species (23)

Abies grandis	Fir - Grand
Abies procera	Fir - Noble
Acer pseudoplatanus	Sycamore
Alnus glutinosa	Alder - Common
Betula pendula	Birch - Silver
Betula pubescens	Birch - Downy
Castanea sativa	Chestnut - Sweet
Fagus sylvatica	Beech
Fraxinus excelsior	Ash
Larix × marschlinsii	Larch - Hybrid
Larix decidua	Larch - European
Larix kaempferi	Larch - Japanese
Picea abies	Spruce - Norway
Picea sitchensis	Spruce - Sitka
Pinus contorta var. latifolia	Pine - Lodgepole
Pinus nigra subsp. laricio	Pine - Corsican
Pinus sylvestris	Pine - Scots
Donulus can and hybride	Black, grey, white, hybrid
Populus spp. and hybrids	poplar
Pseudotsuga menziesii	Fir - Douglas
Quercus petraea	Oak - Sessile
Quercus robur	Oak - Pedunculate
Thuja plicata	Cedar - Western Red
Tsuga heterophylla	Hemlock - Western

Secondary species (25)

Abies alba	Fir - European Silver
Abies amabilis	Fir - Pacific Silver
Acer platanoides	Maple - Norway
Alnus cordata	Alder - Italian
Alnus incana	Alder - Grey
Carpinus betulus	Hornbeam
Chamaecyparis lawsoniana	Cypress - Lawson
Cryptomeria japonica	Cedar - Japanese
Cupressus × leylandii	Cypress - Leylandii
Eucalyptus glaucescens	Gum - Tingiringi
Eucalyptus gunnii	Gum - Cider
Eucalyptus nitens	Gum - Shinning
Juglans nigra	Walnut - Black
Juglans regia	Walnut - Common
Nothofagus alpina	Rauli
Nothofagus obliqua	Roble
Picea omorika	Spruce - Serbian
Pinus pinaster	Pine - Maritime
Pinus radiata	Pine - Monterey
Populus tremula	Aspen
Prunus avium	Gean
Quercus rubra	Oak - Red
Sequoia sempervirens	Redwood - Coast
Sequoiadendron giganteum	Redwood - Giant / Sequoia
Tilia cordata	Lime - Small-leaved

Plot stage species (22)

Abies concolor	White fir
Abies nordmanniana	Nordmann fir
Alnus rubra	Red alder
Calocedrus decurrens	Insence-cedar
Cedrus atlantica	Atlas cedar
Fagus orientalis	Oriental beech
Hesperocyparis macrocarpa	Monterey cypress
Liquidambar styraciflua	Sweet gum
Liriodendron tulipifera	Tulip Tree
Metasequoia	Dawn redwood
glyptostroboides	
Picea × lutzii	Lutz spruce
Picea engelmannii	Englemann spruce
Picea orientalis	Oriental spruce
Picea rubens	Red spruce
Pinus peuce	Macedonian pine
Pinus strobus	Weymouth pine
Pinus taeda	Loblolly pine
Platanus x hispanica	London plane
Populus tremula x	Hybrid aspen
tremuloides	
Robinia pseudoacacia	False acacia
Sorbus torminalis	Wild Service Tree
Tilia platyphyllos	Large-leaved lime
Picea engelmannii Picea orientalis Picea rubens Pinus peuce Pinus strobus Pinus taeda Platanus x hispanica Populus tremula x tremuloides Robinia pseudoacacia Sorbus torminalis	Englemann spruce Oriental spruce Red spruce Macedonian pine Weymouth pine Loblolly pine London plane Hybrid aspen False acacia Wild Service Tree

Assessment criteria



1. Tree improvement



2. Plant & seed supply



3. Silviculture



4. Site & climate suitability



5. Productivity



6. Tree health



7. Biodiversity & environmental impacts

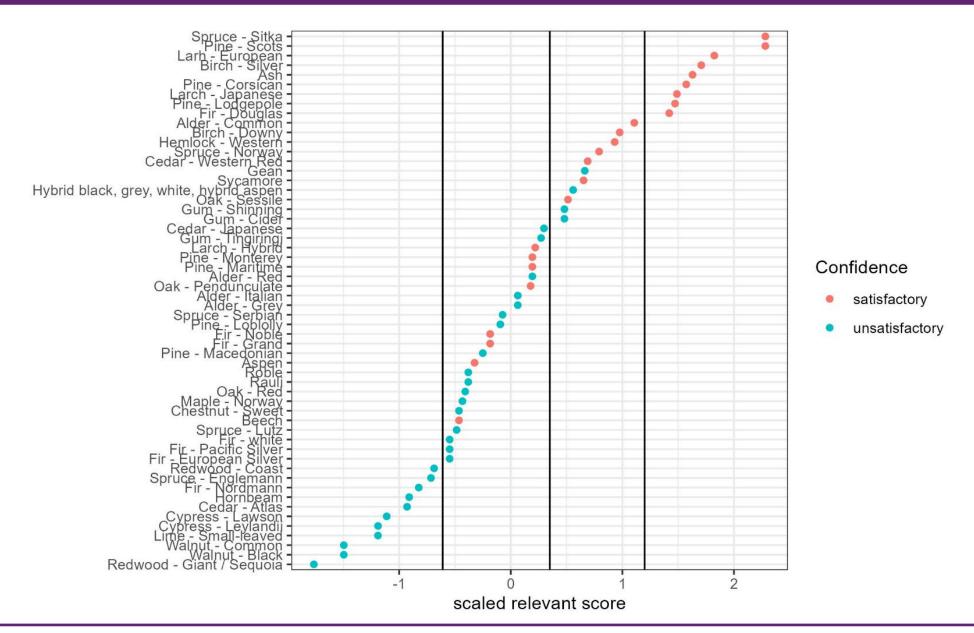


8. Timber properties & end use

1. Tree improvement potential

- 1. Provenance information
- 2. Feasibility of selection
- 3. Feasibility of testing
- 4. Feasibility of breeding
- 5. Effectiveness of mass deployment
- 6. Impact of further development
- Extensive approach registering/developing seed stands, improving provenance and silviculture, creating qualified orchards with plus trees
- Intensive approach gain delivered through testing and breeding





2. Plant and seed supply

- Seed supply From UK and overseas
 - Seed quality
 - Seed storage
 - Seed treatments
 - Weed control
 - Economy/financials
 - Crop cycle length
 - Substrate/soil issues
 - Crop protection issues
- Problematic: Eucalypts (seed supply & frost risk), Ash (disease risk)



3. Silviculture

- Silvicultural knowledge
- Establishment rate
- Fast establishment: Silver birch, Larches, Spruces, Poplars,
 Douglas fir, Western hemlock
- Slow establishment: firs

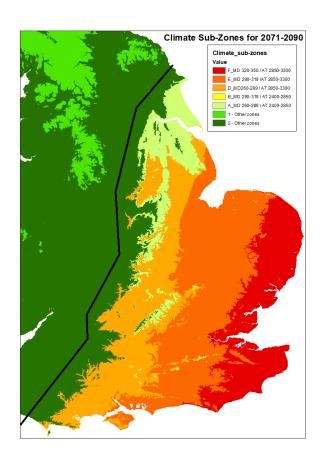
Supporting attributes:

- Shade tolerance
- Natural regeneration
- Palatability
- Squirrel damage susceptibility





4. Site and climate suitability





- Suitability area current
- Suitability area 2080

Supporting attributes:

- Frost
- Drought
- Wind damage
- Fire

5. Productivity



Yield Class category

'Very fast' growing:

• Sitka spruce, Grand fir, Noble fir, Norway spruce, Douglas fir, Western red cedar, Western hemlock, Leyland cypress, Eucalyptus spp.



6. Tree health

Pest and disease risks

Pathogens – current & future Pests – current & future

Higher risk: Ash, Larch spp., some exotic pines, Lawson cyprus



7. Biodiversity and environmental impacts

- Contribution to Woodland Ecological Condition (WEC)
 - Nativeness
 - Natural regeneration potential
 - Shade casting
 - Phenology
 - Maximum age

Supporting attribute:

Environmental impacts







- Technical potential i.e. the potential inherent in the wood
 - Workability score
 - Durability score
 - Minimum Sitka index
 - Documented uses
- High potential: Larches, Sitka & Norway spruce, Scots, Lodgepole & Corsican pines, Douglas fir, Western hemlock, European silver fir, Oaks, Sweet chestnut

8. Wood properties and end use (2/2)



Supporting attribute:

- Compatibility with the current wood value chain
 - Workability score
 - Drying score
 - UK market familiarity score
 - Genus score
 - Form score
 - Documented uses
 - Possibility rating for strength grading UK-grown

Criteria and attributes – summary table

Criteria (8)	Definitive attributes (10)	Supporting attributes (12)
1. Tree improvement	Tree improvement potential	
2. Plant & seed supply	 Plant and seed supply 	
3. Silviculture	Silvicultural knowledgeEstablishment rate	Shade toleranceNatural regenerationPalatabilitySquirrel damage
4. Site/climate suitability	 Suitability area – current Suitability area – 2080 	Frost susceptibilityDrought susceptibilityWind damage susceptibilityFire susceptibility
5. Productivity	Yield Class category	On-site carbonOff-site carbon & GHG potential
6. Pests & pathogens	 Pest and pathogen risks 	
7. Biodiversity and environmental impacts	 Contribution to Woodland Ecological Condition 	Environmental impacts
8. Timber properties & end uses	Technical potential	Compatibility with forestry value chain



			1. Tree Improvement		3. Silviculture	2	4. Site & clima	te suitability	5. Productivity	6. Tree health	7. Biodiversity & Environmental impacts	8. Wood properties & end use		Ranking	
Latin name		Status	Tree improvement potential		Silvicultural knowledge	Establishment rate	Suitability area (current)	Suitability area (2080)	Yield Class category	Pest & pathogen risks	Contribution to WEC	Technical potential		Ranked scores (max	Ranked list of species
		Weighting	1	1	1	1	1	1	1	1	1	1	10		
Abies grandis	Fir - Grand	Principal	2	3	4	2	2	3	4	2	2	3		92.5	Birch - Silver
Abies procera	Fir - Noble	Principal	2	2	4	2	3	1	4	2	2	3		90.0	Spruce - Sitka
Acer pseudoplatanus	Sycamore	Principal	3	3	4	3	4	4	2	4	3	3		87.5	Pine - Scots
Alnus glutinosa	Alder - Common	Principal	3	4	4	3	3	4	1	2	4	2		85.0	Birch - Downy
Betula pendula	Birch - Silver	Principal	4	4	4	4	4	4	2	4	4	3		82.5	Sycamore
Betula pubescens	Birch - Downy	Principal	3	4	4	3	4	4	1	4	4	3		82.5	Hemlock - Western
Castanea sativa	Chestnut - Sweet	Principal	2	3	4	2	1	3	1	2	3	4		80.0	Larch - Hybrid
Fagus sylvatica	Beech	Principal	2	3	4	2	3	3	2	2	4	3		80.0	Larch - Japanese
Fraxinus excelsior	Ash	Principal	4	2	4	3	2	3	2	0	4	3		77.5	Pine - Lodgepole
Larix × marschlinsii	Larch - Hybrid	Principal	3	3	4	4	4	3	3	0	4	4		77.5	Fir - Douglas
Larix decidua	Larch - European	Principal	3	3	4	4	2	3	2	0	4	4		77.5	Oak - Sessile
Larix kaempferi	Larch - Japanese	Principal	3	3	4	4	4	4	2	0	4	4		77.5	Cedar - Western Red
Picea abies	Spruce - Norway	Principal	2	4	4	3	3	3	3	2	2	4		75.0	Alder - Common
Picea sitchensis	Spruce - Sitka	Principal	4	4	4	4	4	4	4	2	2	4		75.0	Spruce - Norway
Pinus contorta var. latifolia	Pine - Lodgepole	Principal	4	3	4	3	4	4	2	0	3	4		75.0	Hybrid black, grey,
Pinus nigra subsp. laricio	Pine - Corsican	Principal	4	3	4	3	2	4	3	0	3	3		75.0	Oak - Pedunculate
Pinus sylvestris	Pine - Scots	Principal	4	4	4	3	4	4	2	2	4	4		75.0	Aspen
Populus spp. and hybrids	Hybrid black, grey, white,	Principal	3	4	4	4	2	3	2	2	3	3		72.5	Larch - European
Pseudotsuga menziesii	Fir - Douglas	Principal	4	3	4	4	2	2	4	2	2	4		72.5	Pine - Corsican
Quercus petraea		Principal	3	3	4	2	3	3	1	4	4	4		72.5	Gum - Cider
Quercus robur	Oak - Pedunculate	Principal	2	3	4	2	2	4	1	4	4	4		70.0	Beech
Thuja plicata	Cedar - Western Red	Principal	3	3	4	3	3	3	4	4	2	2		70.0	Alder - Grey
Tsuga heterophylla	Hemlock - Western	Principal	3	3	4	4	3	4	4	2	2	4		70.0	Cypress - Leylandii
Abies alba		Secondary	2	3	3	2	2	3	3	2	2	4			Fir - Grand
Abies amabilis	Fir - Pacific Silver	Secondary	2	2	3	1	4	4	3	2	2	2		67.5	Ash
A		C	2	4	2	2	2	2	2	2	2	2	1 1	C7 F	Mania Manua.

			3. Silviculture				4. Site & climat	e suitability	7. Biodiversity & environmental impacts	8. Wood properties & end use		
Latin name	Common name	Status	Shade tolerance	Natural regeneration	Palatability	Squirrel damage susceptibility	Frost susceptibility	Drought susceptibility	Wind damage susceptibility	Fire risk	Environmental impacts	Compatibility with wood value chain
Abies grandis	Fir - Grand	Principal	Shade tolerant	Occasional	High		Υ	Intolerant	16	High		4
Abies procera	Fir - Noble	Principal	Intermediate	Occasional	High		Υ	Intolerant	18	Hign		4
Acer	Sycamore	Principal	Shade tolerant	Frequent	Moderate	High	N	Moderate	18	Low		3
Alnus glutinosa	Alder - Common	Principal	Light		Low	Low	N	Moderate	16	Low		3
Betula pendula	Birch - Silver	Principal	Light	Frequent	Low	High	N	Intolerant	16	Low		4
Betula pubescens	Birch - Downy	Principal	Light	Frequent	Low	High	N	Intolerant	18	Low		4
Castanea sativa	Chestnut - Sweet	Principal	Light	Rare?	Low	High	Υ	Tolerant	16	Very low		4
Fagus sylvatica	Beech	Principal	Shade tolerant	Frequent	Moderate	High	Y (young)	Moderate	16	Very low		4
Fraxinus excelsior	Ash	Principal	Intermediate	Frequent	High	Low	Υ	Moderate	14	Low		4
Larix × marschlinsii	Larch - Hybrid	Principal	Light	Frequent	Moderate	Medium	Υ	Intolerant	16	Medium		7
Larix decidua	Larch - European	Principal	Light		Moderate	Medium	Υ	Tolerant	16	Medium		7
Larix kaempferi	Larch - Japanese	Principal	Light	Frequent	Moderate	Medium	Υ	Intolerant	16	Medium		7
Picea abies	Spruce - Norway	Principal	Shade tolerant		High	Low	Υ	Intolerant	16	High		7
Picea sitchensis	Spruce - Sitka	Principal	Intermediate		Moderate	Low	Υ	Intolerant	18	High	Prolific	7
Pinus contorta var.	Pine - Lodgepole	Principal	Light	Frequent	Low	Medium	N	Moderate	18	High	Prolific	5
	Pine - Corsican	Principal	Light	Rare	Low	Low	Υ	Very tolerant	18	Very		6
	Pine - Scots	Principal	Light		Moderate	Medium	N	Very tolerant		High		7
	Hybrid black,	Principal	Light		High	Low / high	N	Intolerant	16	Low	Hybridises	3
	Fir - Douglas	Principal	Intermediate	Frequent	High	Low	Υ	Intolerant	14	Medium		7
	Oak - Sessile	Principal	Intermediate		High	High	Υ	Tolerant	16	Low		5
	Oak -	Principal	Intermediate		High	High	Υ	Moderate	16	Low		5
Thuja plicata	Cedar - Western	Principal	Shade tolerant		High		N	Moderate	14	High		4
Tsuga heterophylla	Hemlock -	Principal	Shade tolerant	Frequent	low	Medium	Υ	Moderate	16	High	Prolific	5
	Fir - European	Secondary	Shade tolerant		High		Υ?	Intolerant	16	High		6
	Fir - Pacific Silver	Secondary	Shade tolerant		High		Υ	Moderate	18	High		4
	Maple - Norway	Secondary	Intermediate	Frequent		High	N	Moderate	14	Low		2
	Alder - Italian	Secondary	Light	·		Low		Tolerant	14	Low		1
	Alder - Grey	Secondary	Light				Υ	Intolerant	22	Low	Hybridises	1
	11	C	Chada Aalaaaa	n1	1	N A = alt	M	N A - J A -	10	1/	,	4



CONIFERS Cedar - Japanese	sites. Tree improvement hindered by tiny domestic resource; potential to develop a qualified orchard using selections from the currently	Primarily suitable for CCF. Suitable for warm, moist sheltered sites across Scotland primarily in the west.	KEY ISSUES 1. Tree health risks 2. Site & climate suitability 3. Biodiversity & environmental impacts 4. Tree improvement & plant and seed supply 5. Wood properties & end use 4. Limited tree improvement potential. 5. Timber mechanical properties much lower than Sitka spruce. Market
	limited provenance tests. Timber not familiar on the UK market. Mechanical properties much lower than Sitka. Potentially a reasonably wide range of uses. The pollen can cause allergies. Unrelated to UK natives suggesting lower tree health risk but also lower biodiversity value.	Attractive timber, highly valued in Japan. Adds another genus to the shortlist potentially increasing tree health resilience.	development.
Cedar - Western Red	Highly productive principal conifer species, with currently no known major tree health risks, although very susceptible to root and butt rot caused by Heterobasidion annosum. Suitable for warm, moist climates in more sheltered sites in Western Scotland. Shade tolerance makes it suitable for a range of silvicultural systems, although sensitivity to exposure makes it more suited to mixed CCF stands than clearfell sites where it can be difficult and slow to establish. Tree improvement could build on an existing FR archive of 39 plus trees, and progress can be rapid due to some unique reproductive characteristics. Wood mechanical properties lower than Sitka. Cannot yet be strength graded but there is a partial dataset. Currently used for cladding but with potential for other uses. Drying and seasoning known. Some natural durability.	1. Suitable primarily for CCF. Can be established on open sites with sufficient side shelter. 2. Suitable for the warm, moist climates in Western Scotland, and sheltered sites in the east. 3. Potentially rapid progress with tree improvement. 4. Growing demand for wood for cladding and internal panelling due to its natural durability, as a substitute for larch, with potential for other uses through development of 'alternative' markets.	
Fir - Douglas	Highly productive principal conifer species, with attractive timber properties. Cold hardy but can suffer from exposure and hence best suited to more sheltered areas. Tolerant of the drier conditions in the east where it may offer an alternative to spruce and pine. Currently no known major tree health risks although potential future damage from Swiss needle cast and Phytophthora pluvialis. Very good tree breeding potential with strong rationale to improve domestic supply of improved material. Very well established markets in the UK. Mechanical properties better than Sitka, but very variable strength. Can be strength graded in UK with multiple options. Potential for CLT and glulam production. Wide range of uses. Drying and seasoning well known, similar to spruce.	Tolerant to drier conditions. Better sites required. 3. Very good tree breeding potential. 4. Very well established markets and good potential for future development.	
Fir - European Silver	Secondary conifer species with good productivity. Cold hardy throughout Britain but vulnerable to frost unless planted under shelter. Does not tolerate very poor soils or heather competition. Slow and very difficult to establish on clearfell sites; better suited to underplanting. High palatability to deer. Better understood silviculture than other firs. Can be severely attacked by Dreyfusia (syn. Adelges) nordmannianae which can cause death with high infestations; less problematic in mixed stands. Familiar to the UK market, but	Suitable primarily for CCF and mixtures. Lowland to mid-slope species across west and east Scotland. Suitable for white wood market, with properties similar to Sitka spruse.	Dreyfusia (syn. Adelges) nordmannianae. Drought. Nursery practice needs support.
< >	Definitive Attributes Supporting Attributes Comments Rationale Summary +++++++++++++++++++++++++++++++++++	: •	

Shortlist of productive species for Scotland

Conifers	Broadleaves
Coast redwood (Sequoia sempervirens)	Aspen (<i>Populus tremula</i>) and Hybrid aspen (<i>Populus tremula x tremuloides</i>)
Douglas-fir (Pseudotsuga menziesii)	Beech (Fagus sylvatica)
European silver fir (Abies alba)	Common alder (Alnus glutinosa)
Grand fir (Abies grandis)	Downy birch (Betula pubescens)
Japanese cedar (Cryptomeria japonica)	Gean (<i>Prunus avium</i>)
Lodgepole pine [Alaskan] (Pinus contorta var. latifolia)	Hornbeam (Carpinus betulus)
Macedonian pine (Pinus peuce)	Norway maple (Acer platanoides)
Noble fir (Abies procera)	Pedunculate oak (<i>Quercus robur</i>)
Norway spruce (Picea abies)	Red oak (Quercus rubra)
Pacific silver fir (Abies amabilis)	Sessile oak (Quercus petraea)
Scots pine (Pinus sylvestris)	Silver birch (Betula pendula)
Sitka spruce (Picea sitchensis)	Small-leaved lime (<i>Tilia cordata</i>)
Western hemlock (Tsuga heterophylla)	Sweet chestnut (Castanea sativa)
Western red-cedar (Thuja plicata)	Sycamore (Acer pseudoplatanus)

- ✓ Sitka spruce (54%*)
- ✓ Scots pine (17%)
- ✓ Norway spruce (5%)
- ✓ Lodgepole pine (7%)
- ✓ Douglas-fir (4%)
- ✓ Western hemlock
- ✓ Western red-cedar
- ✓ European silver fir
- ✓ Pacific silver fir
- ✓ Grand fir
- ✓ Noble fir
- ✓ Macedonian pine
- ✓ Japanese cedar
- ✓ Coast redwood

- 8 suited to open planting; 12 for continuous cover forestry.
- 8 suited to the east; all 14 suited to the west.
- 6 suited to upland sites (Sitka spruce, Scots pine, lodgepole pine (Alaskan provenance), Macedonian pine, noble fir, and Pacific silver fir (on sheltered upland sites).
- 11 suited to mid-slope or lowland species.
- 7 can supply the whitewood market; the other 7 require alternative redwood markets.

Scotland – 14 shortlisted conifers:

^{* %} Stocked area, UK

- ✓ Birch silver & downy (18%*)
- ✓ Oak pedunculate & sessile (16%)
- ✓ Sycamore (8%)
- ✓ Beech (7%)
- ✓ Alder (4%)
- ✓ Sweet chestnut (2%)
- ✓ Aspen & hybrid aspen
- ✓ Gean
- ✓ Hornbeam
- ✓ Norway maple
- ✓ Red oak
- ✓ Small-leaved lime

Scotland – 14 shortlisted broadleaves:

- All are suitable for open planting; 11 can be managed with continuous cover forestry.
- Almost all can be grown in the east and west, and mid-slope and lowland sites.
- One species (downy birch) suited to upland sites.

^{* %} Stocked area, UK

1. Develop a ranked longlist:

- Select longlist of candidate species
- Select criteria develop methods to assess them
- Assess performance of longlisted species
- Derive a provisional ranked longlist of species



2. Identify a shortlist and 'reserve list':

- [Supplement data with narratives]
- Consultation refine ranked longlist with experts & stakeholders
- Reach consensus on shortlist and 'reserve list'



3. Address barriers to deployment:

- Identify evidence gaps/needs
- Agree priority actions with stakeholders (e.g. R&D)
- Deliver actions research, policy, practice

Criteria	Forest Research	External
1. Tree improvement	Richard Whittet, Joan Cottrell	Jason Hubert (SF)
2. Plant and seed supply	Chris Hardy, Richard Whittet	Sam Firkins (Forestart Ltd), Ben Goh (Maelor Forest Nurseries Ltd), Kenny Hay (FLS, Newton nursery), Selchuk Kurtev (ICM) Lorenza Pozzi (FC), Craig Turner (Alba Trees; Confor Nursery Producers' Group), Rodney Shearer (Elsoms Trees), Alice Snowden (Cheviot Trees)
3. Silviculture	Andrew Leslie, Bill Mason, Chris Reynolds, Tor Stokes, Ian Willoughby	Andrew MacQueen (Independent forester), Martin Price (FLS), Gareth Waters (FLS)
4. Site/climate suitability	[See silviculture] + Stephen Bathgate, James Morison, Mike Perks, Megan Wilks	Andrew MacQueen (Independent forester), Martin Price (FLS), Gareth Waters (FLS)
5. Productivity	[See silviculture] Stephen Bathgate, Ewan Mackie, Robert Matthews	Andrew MacQueen (Independent forester), Martin Price (FLS), Gareth Waters (FLS)
6 Tree health	Max Blake, Katy Dainton, Molly Davidson, Sarah Green, Steven Hendry, Daegan Inward, Liam Morton, Sonja Steinke, Joan Webber	Clarinda Burrell (SF), Flora Donald (SF), James Nott (SF)
7. Biodiversity and environmental impacts	Nadia Barsoum, Alice Broome, Mike Dunn, Robin Gill, Tom Nisbet	Stephen Cavers (CEH), Linsey Mason-McLean (SF), Alan McDonnell (Trees for Life), Beth Purse (CEH), Duncan Stone (NatureScot), Juli Titherington (SF), Andrew Weatherall (RSPB)
8. Wood properties and end use	Adam Ash, Elspeth Macdonald	George Birrell (Kronospan), Philip Blake (Munro Sawmills), Mark Council (Logie Timber Ltd), Ellinor Dobbie (Abbey Timber), David Edwards (Tilhill), Caroline Gordon (Tulloch Timber), Kieran Jamieson (UPM), Andrew Johnston (UPM), David Leslie (James Jones & Sons), Andy Leitch (Confor), Bryan McMurdo (UPM), Alex Murray (Glennon Bros.), John Paterson (Egger), Dan Ridley-Ellis (Edinburgh Napier University), Harry Stevens (BSW)
Cross cutting and governance	David Edwards, Rob Grierson, Rob Hattersley, James Pendlebury, Chris Quine, Vadim Saraev	Steering Group: Alan Hampson (SF), Helen Sellars (SF), Tim Gordon-Roberts (SF), Chris Quine (FR), David Leslie (James Jones & Sons), Craig Turner (Alba Trees), Duncan Stone (NatureScot), Nathan Bryceland (SLE), Andrew MacQueen (Independent), Andrew Weatherall (RSPB), Alan McDonnell (Trees for Life), Jo Ellis (FLS), Barry Mulholland (Tilhill), Andy Leitch (Confor)