

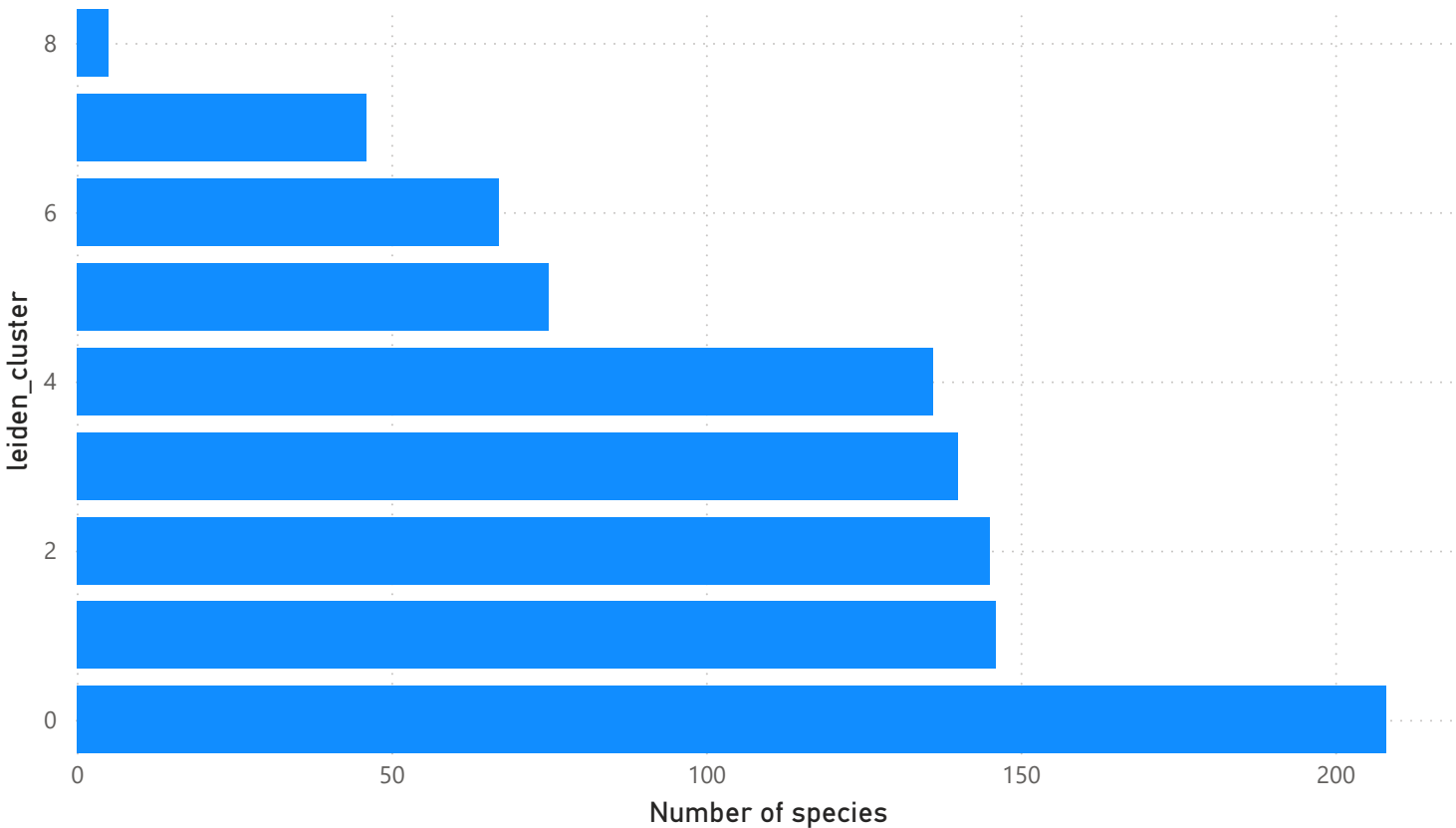
Species

968

Communities

9

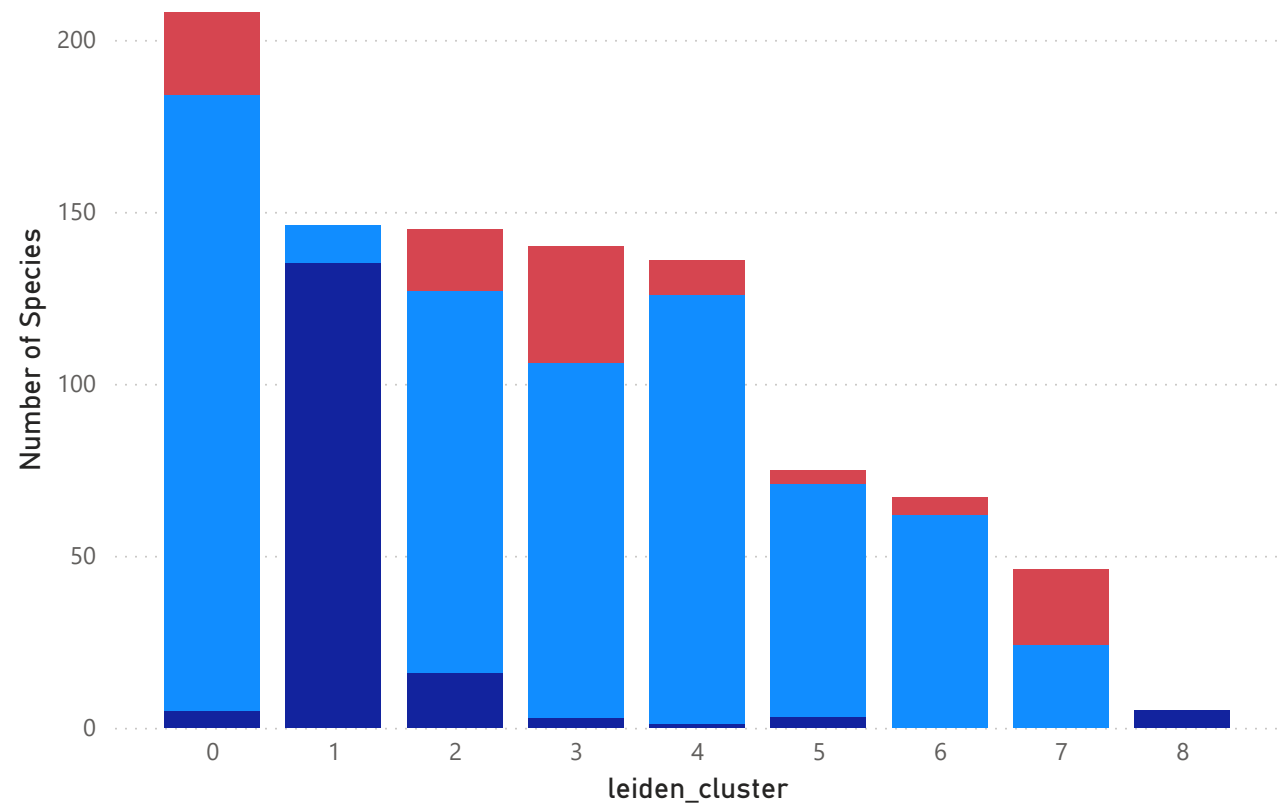
Number of Species Per Cluster



leiden_cluster	community_name	Count of scientific_name	Average of threatened	Sum of threatened
0	Generalist Resource-Associated	208	0.12	24
1	Diffuse Phenology	146	0.00	0
2	Mixed Pupation Strategies	145	0.14	18
3	Early-Development Phenology	140	0.25	34
4	Woody-Substrate-Associated	136	0.07	10
5	Early Adult Activity	75	0.06	4
6	Shrub- and Climber-Associated	67	0.07	5
7	Multivoltine, Externally Developing	46	0.48	22
8	Geographically Localized	5		
Total		968	0.15	117

Threat Prevalence by Community

threat status (Blank) 0 1



High Risk Community 7

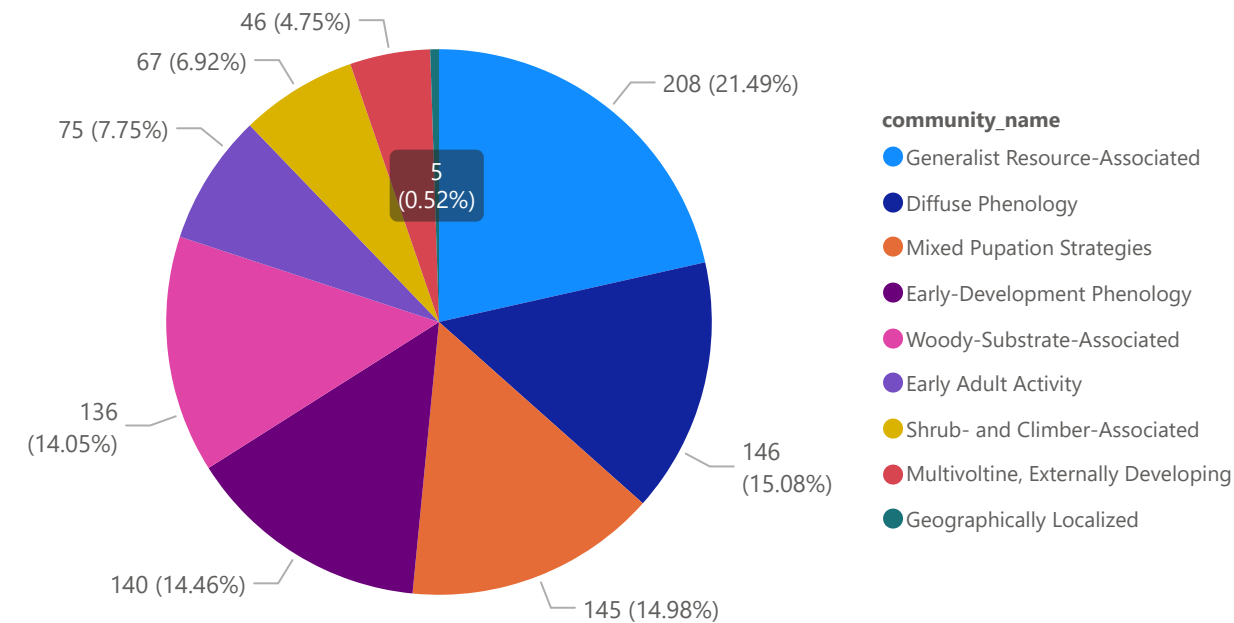
46

Community_7_Count

0.48

Community_7_Threat_Pct

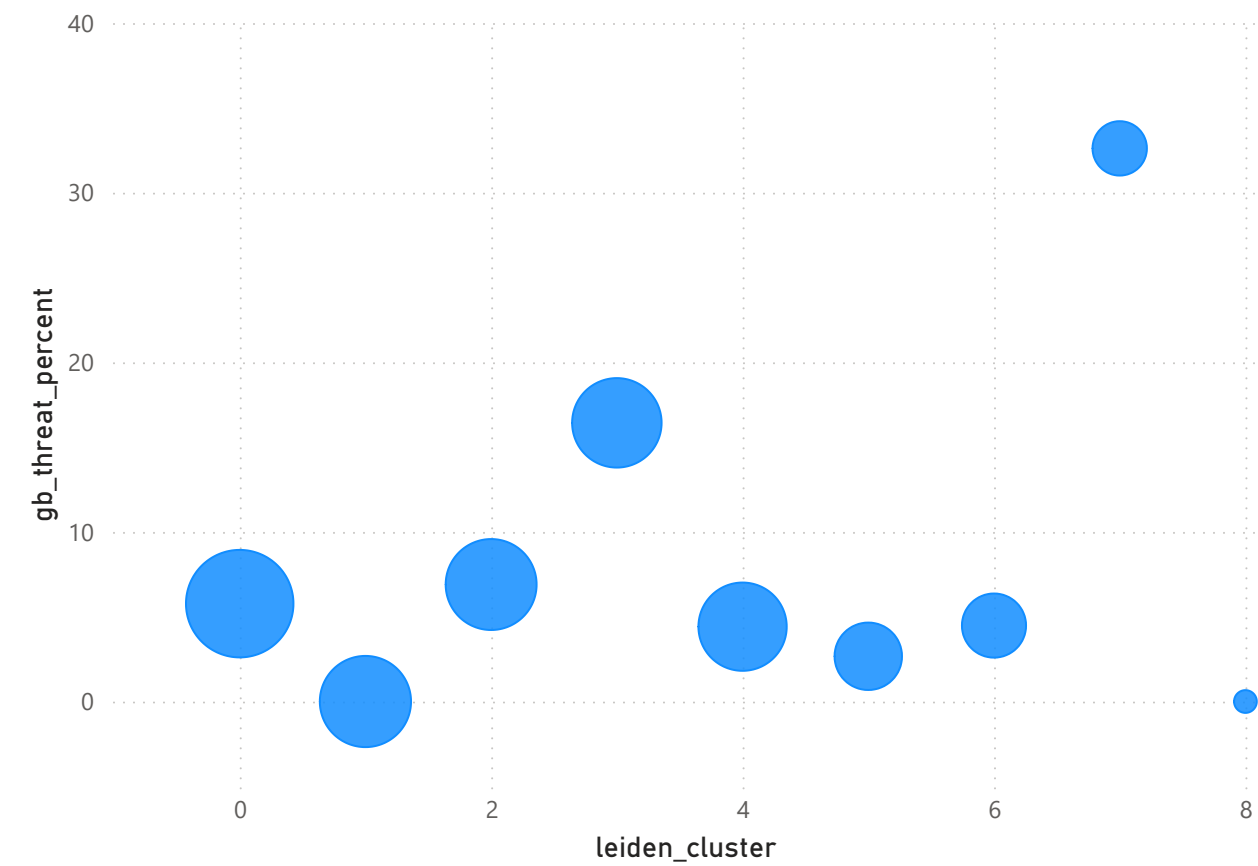
Species Distribution by Community



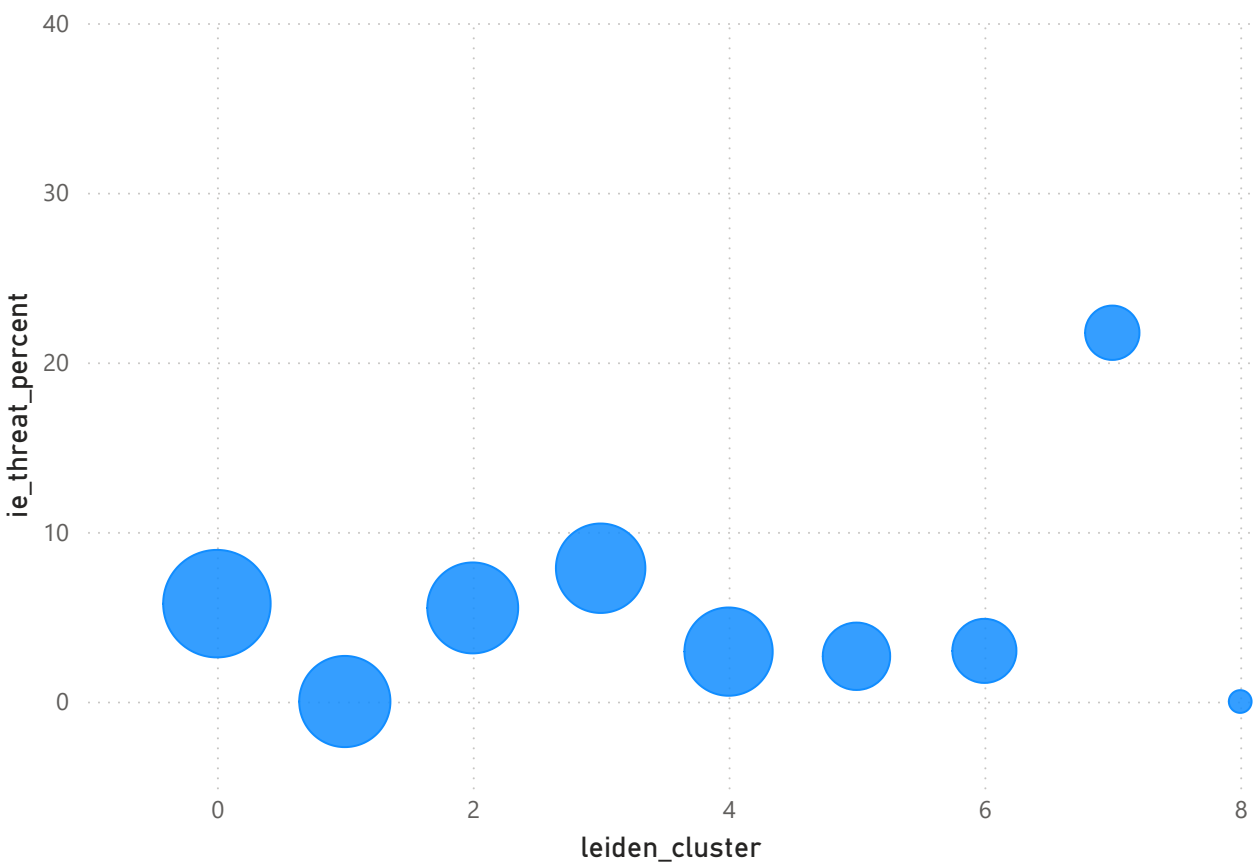
Community Profiles Table

leiden_cluster	community_name	Count of scientific_name	Average of threatened
0	Generalist Resource-Associated	208	0.12
1	Diffuse Phenology	146	0.00
2	Mixed Pupation Strategies	145	0.14
3	Early-Development Phenology	140	0.25
4	Woody-Substrate-Associated	136	0.07
5	Early Adult Activity	75	0.06
6	Shrub- and Climber-Associated	67	0.07
7	Multivoltine, Externally Developing	46	0.48
8	Geographically Localized	5	
Total		968	0.15

Cluster Threat Percent in Great Britain



Cluster Threat Percent in Ireland



High Risk Community Table

leiden_cluster	community_name	gb_threat_percent	ie_threat_percent
7	Multivoltine, Externally Developing	32.61	21.74
3	Early-Development Phenology	16.43	7.86
2	Mixed Pupation Strategies	6.90	5.52
0	Generalist Resource-Associated	5.77	5.77
6	Shrub- and Climber-Associated	4.48	2.99
4	Woody-Substrate-Associated	4.41	2.94
5	Early Adult Activity	2.67	2.67
1	Diffuse Phenology	0.00	0.00
8	Geographically Localized	0.00	0.00

Total Threatened Species

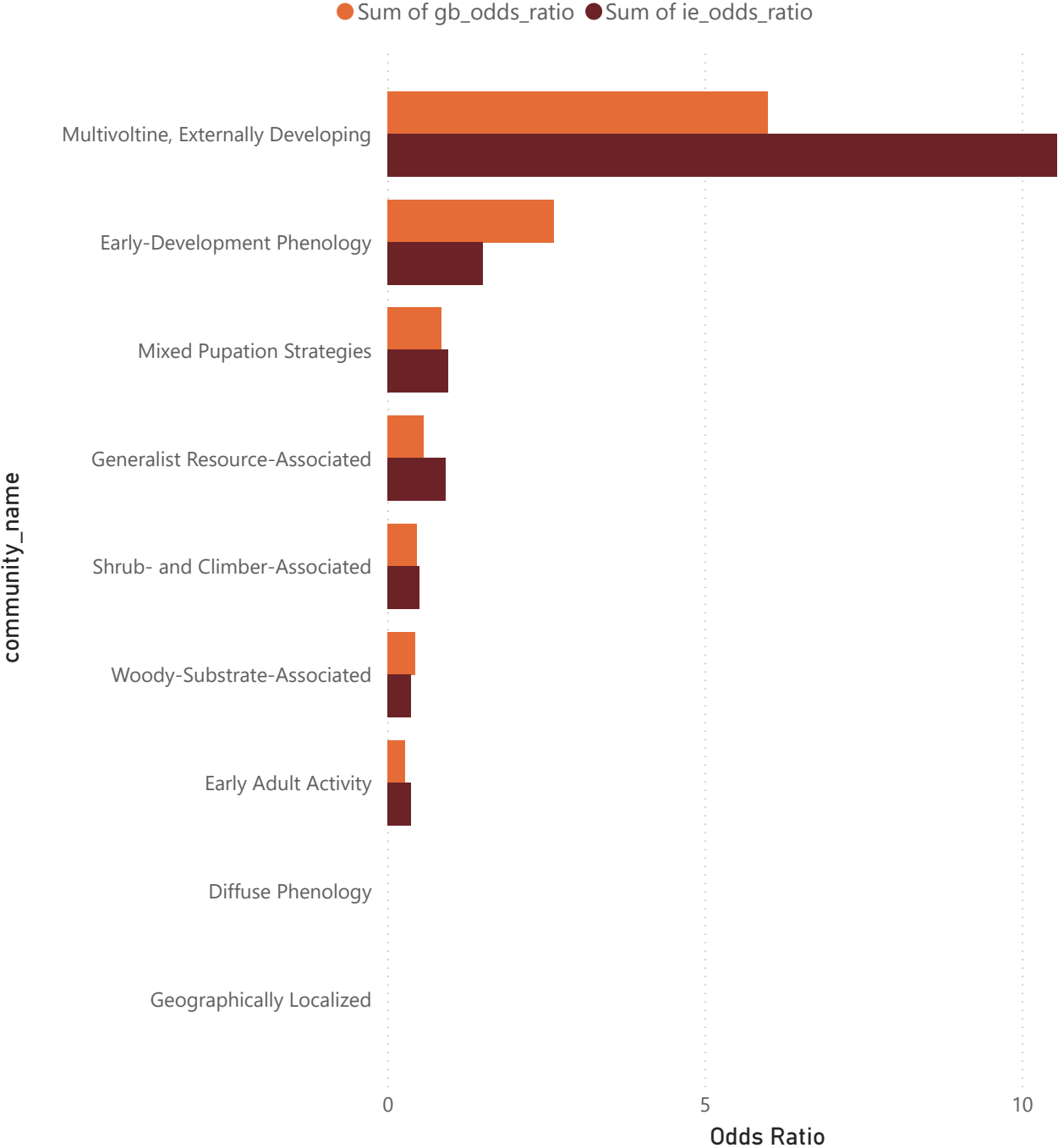
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THREAT DISTRIBUTION ANALYSIS

Chi-Square Statistic: 54.4
p-value: 1.96E-9 <0.001
Cramér's V: 0.261580069

Interpretation:
Threats are non-randomly distributed across communities (p < 0.001). Large effect size indicates meaningful ecological differences in vulnerability.

Odds Ratio by Ecological Community



Odds Ratios by Community

leiden_cluster	community_name	gb_odds_ratio	ie_odds_ratio	odds_ratio
0	Generalist Resource-Associated	0.57	0.91	0.73
1	Diffuse Phenology	0.00	0.00	0.00
2	Mixed Pupation Strategies	0.85	0.95	0.94
3	Early-Development Phenology	2.62	1.50	2.31
4	Woody-Substrate-Associated	0.43	0.37	0.42
5	Early Adult Activity	0.27	0.36	0.32
6	Shrub- and Climber-Associated	0.45	0.51	0.45
7	Multivoltine, Externally Developing	5.99	10.56	6.36
8	Geographically Localized	0.00	0.00	0.00

Odds Ratio (OR) shows how much MORE/LESS likely a species is to be threatened in each ecological community.

Higher bars = Higher risk
Lower bars = Lower risk

Orange = Odds Ratio for Great Britain
Red = Odds Ratio for Ireland

OR > 2.0: HIGH RISK - Species 2-3x more likely to be threatened
OR 1.0-2.0: MEDIUM RISK - Species 1-2x more likely
OR < 1.0: LOW RISK - Species less likely to be threatened

Community 7: OR = 6.36

- Species are 6.36x MORE likely to be threatened
- Most vulnerable ecological strategy in general

Key Finding:
Multivoltine, externally developing species (Community 7) face dramatically elevated extinction risk compared to generalists and other ecological strategies.

leiden_cluster

☐ 0

☐ 1

☐ 2

☐ 3

☐ 4

☐ 5

☐ 6

☐ 7

☐ 8

Threat Status

☐ (Blank)

☐ 0

☐ 1

Country

☐ england

☐ northern_ireland

☐ republic_of_irela...

☐ scotland

☐ wales

Species

scientific_name

community_name

threatened

Abraxas grossulariata	Shrub- and Climber-Associated	0
Abraxas sylvata	Woody-Substrate-Associated	0
Abrostola tripartita	Mixed Pupation Strategies	0
Abrostola triplasia	Mixed Pupation Strategies	0
Acasis viretata	Woody-Substrate-Associated	0
Acherontia atropos	Mixed Pupation Strategies	
Achlya flavicornis	Early Adult Activity	0
Acontia lucida	Diffuse Phenology	
Acontia trabealis	Mixed Pupation Strategies	
Acosmetia caliginosa	Mixed Pupation Strategies	1
Acronicta aceris	Woody-Substrate-Associated	0
Acronicta alni	Woody-Substrate-Associated	0
Acronicta auricoma	Mixed Pupation Strategies	
Acronicta cinerea	Woody-Substrate-Associated	0
Acronicta leporina	Woody-Substrate-Associated	0
Acronicta menyanthidis	Woody-Substrate-Associated	1
Acronicta psi	Woody-Substrate-Associated	0
Acronicta rumicis	Mixed Pupation Strategies	0
Acronicta strigosa	Mixed Pupation Strategies	
Acronicta tridens	Woody-Substrate-Associated	0
Actebia fennica	Diffuse Phenology	
Actebia praecox	Generalist Resource-Associated	1
Actinotia polyodon	Diffuse Phenology	
Adscita gervon	Multivoltine Externally Developing	0

Selected Species

Abraxas grossulariata

Common Name

Accent Gem

Threatened

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Community

Diffuse Phenology