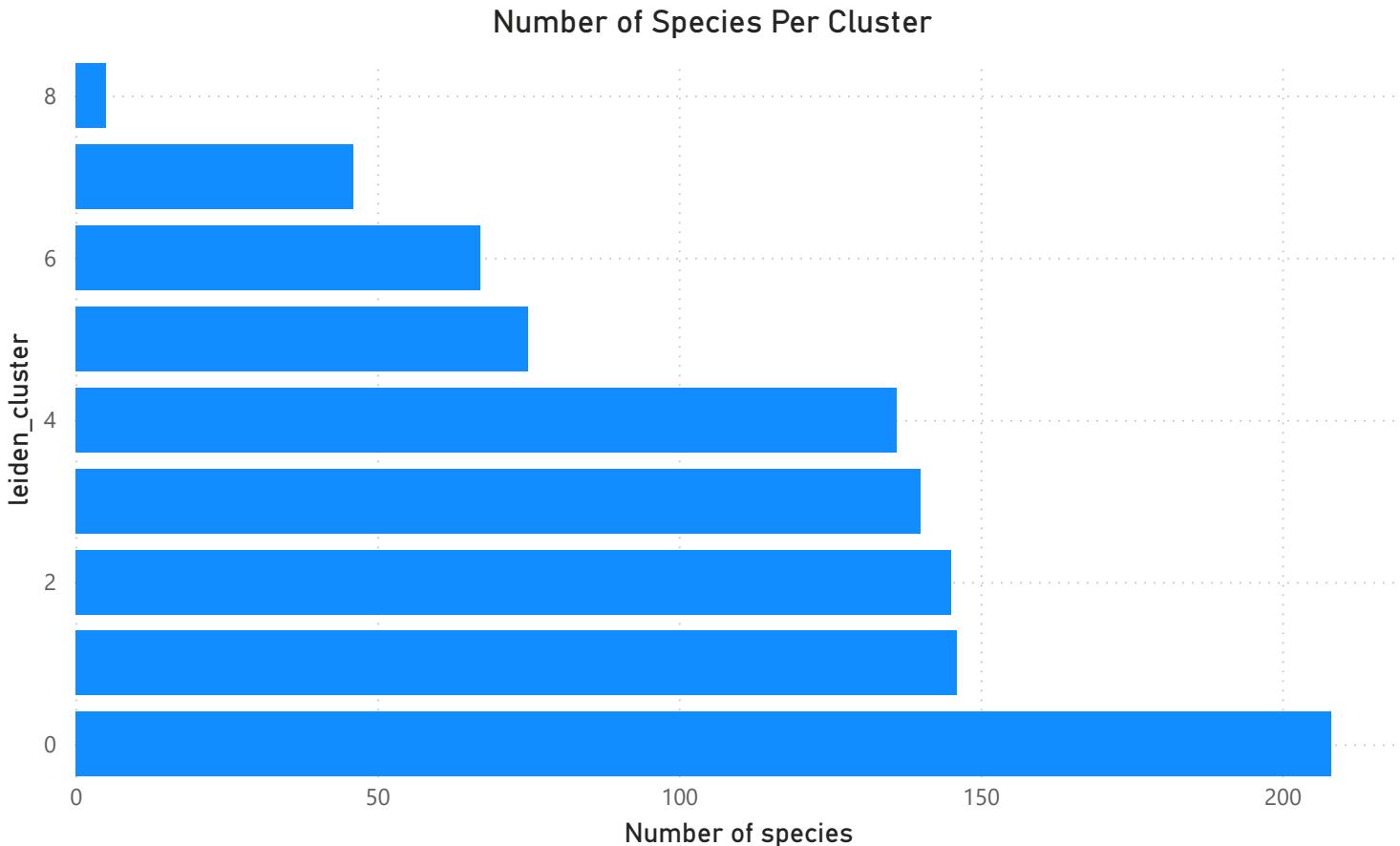


Species

968

Communities

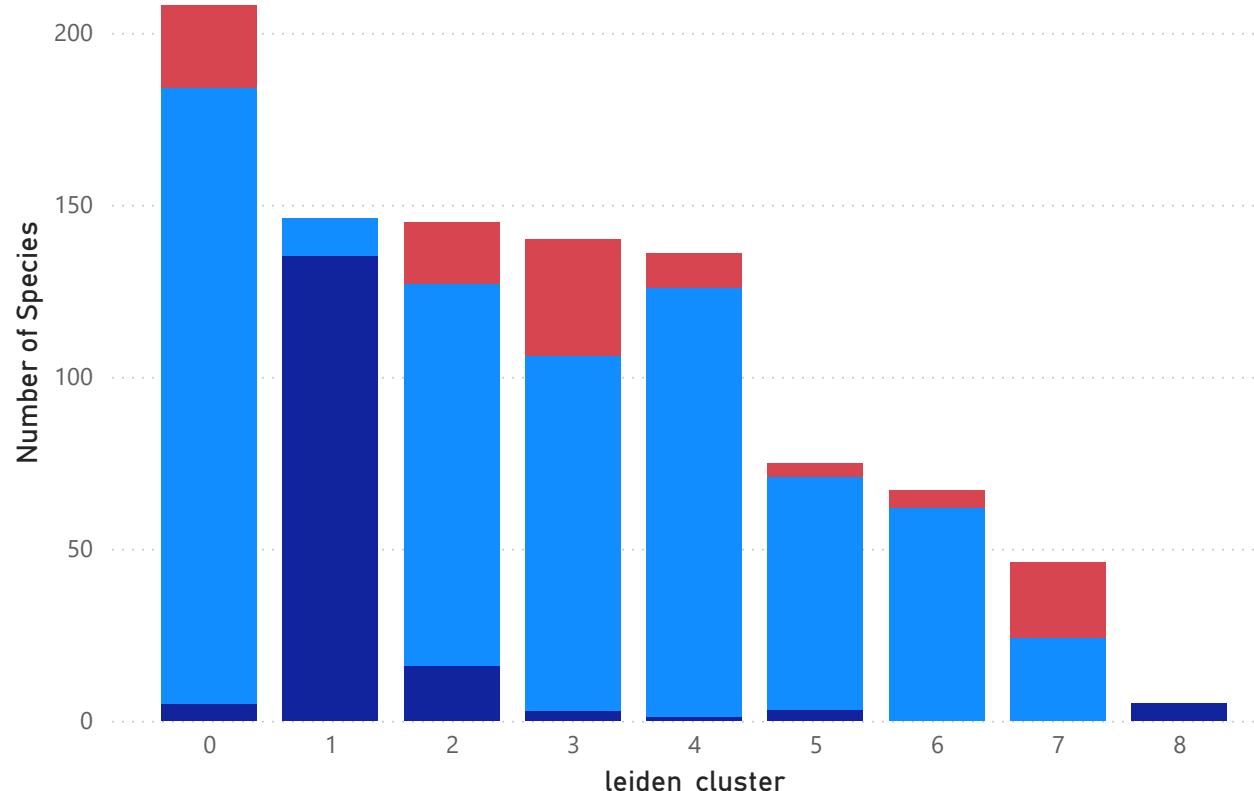
9



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

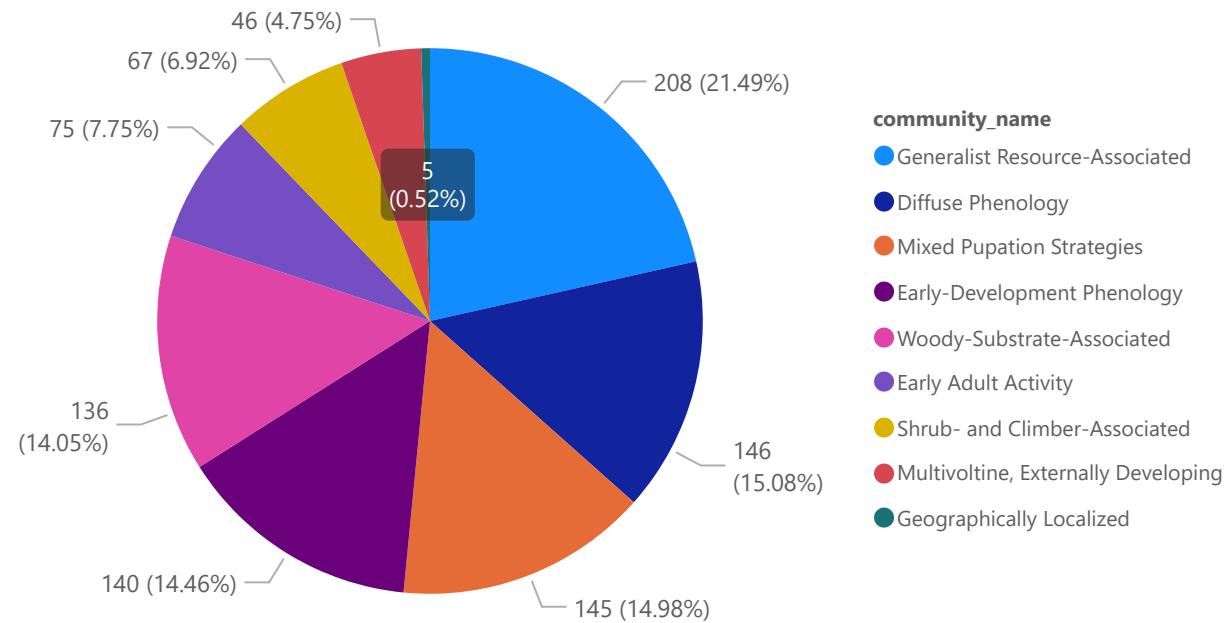
46

Community\_7\_Count

0.48

Community\_7\_Threat\_Pct

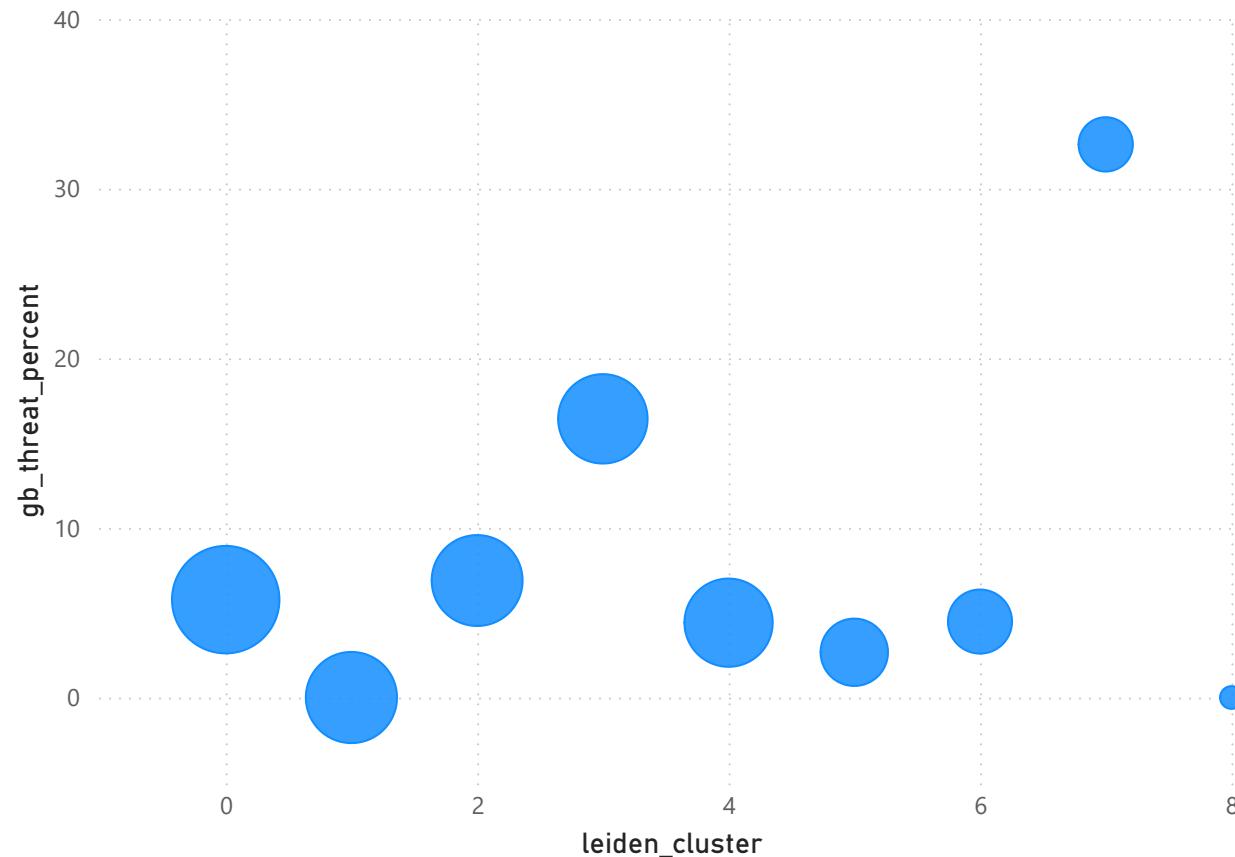
## Species Distribution by Community



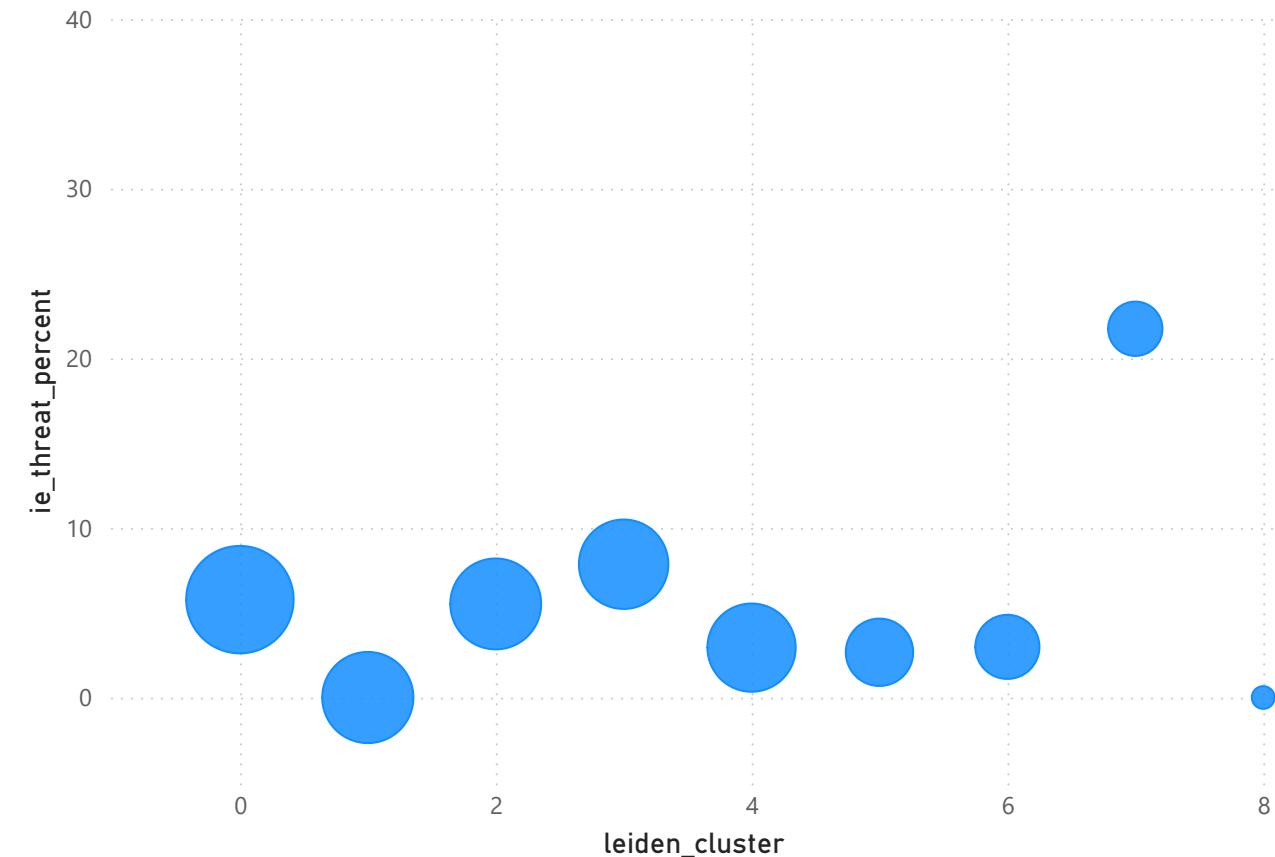
## Community Profiles Table

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

117

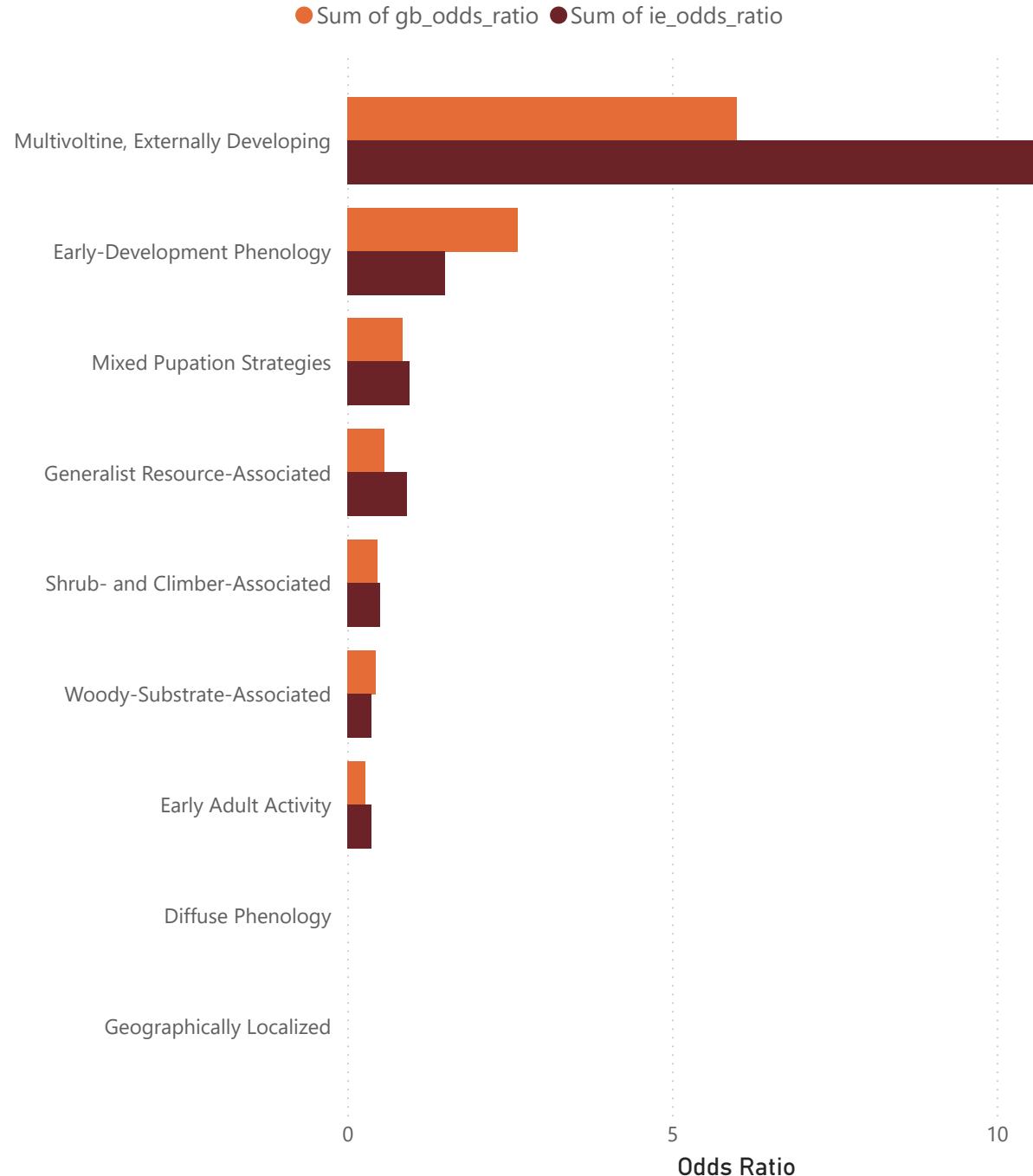
THREAT DISTRIBUTION ANALYSIS

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.

community\_name

## 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.

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

Selected Species

***Abraxas grossulariata***

Common Name

**Accent Gem**

Threatened

**117**

Community

**Diffuse Phenology**