

Meeting the CBD and other targets – alerts and reporting

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Department
for Environment
Food & Rural Affairs



The Scottish
Government



Llywodraeth Cymru
Welsh Government



Animal &
Plant Health
Agency

(2) Conference of the Parties 15

Targets



Prevent the introduction and establishment of priority species ^{1, 2, 4}

Reduce the rate of introduction and establishment of INNS by 50% ^{1, 2, 5}

Identify and manage INNS pathways ^{1, 2, 3, 4, 5}

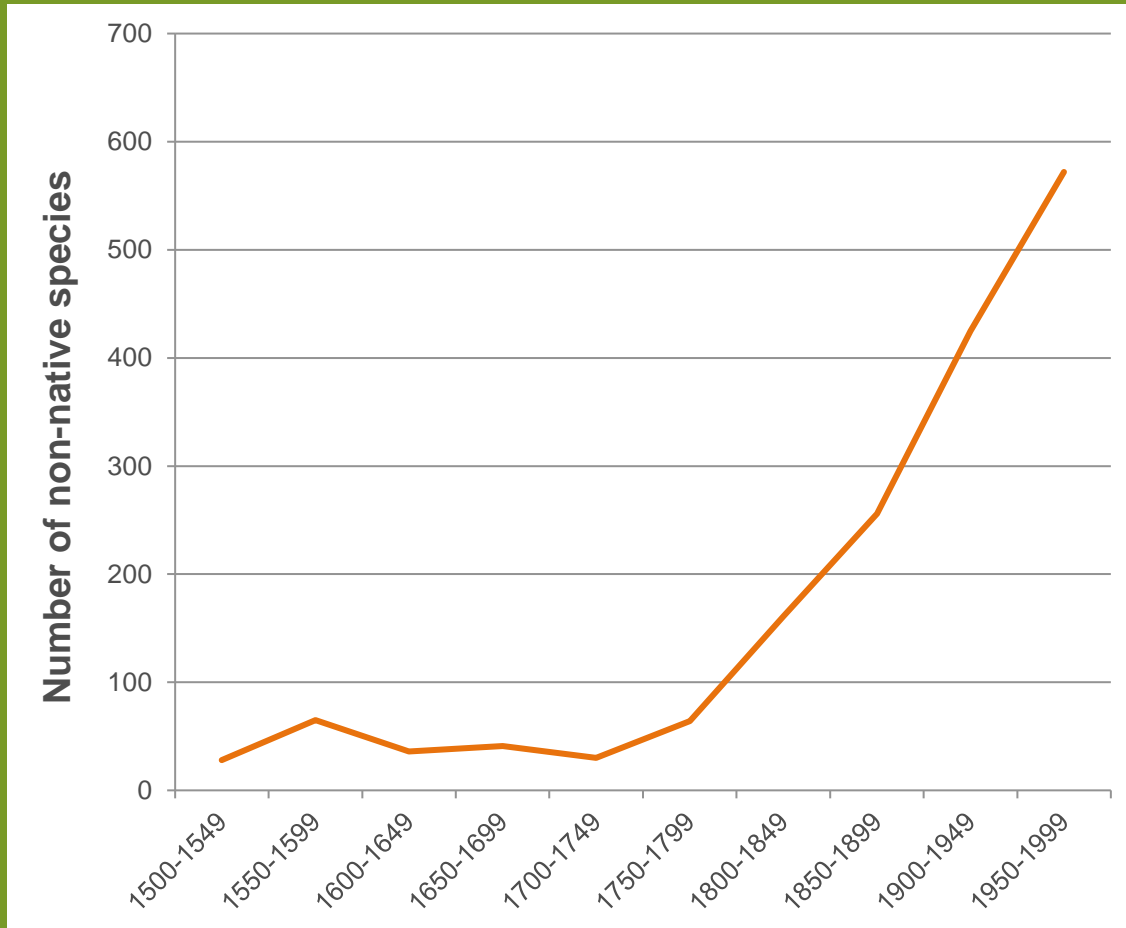
Eradicate, control or contain key INNS ^{1, 2, 3, 4, 5}

Prevent the establishment of INNS that benefit from climate change ^{1, 3, 4}

(1) GB INNS Strategy



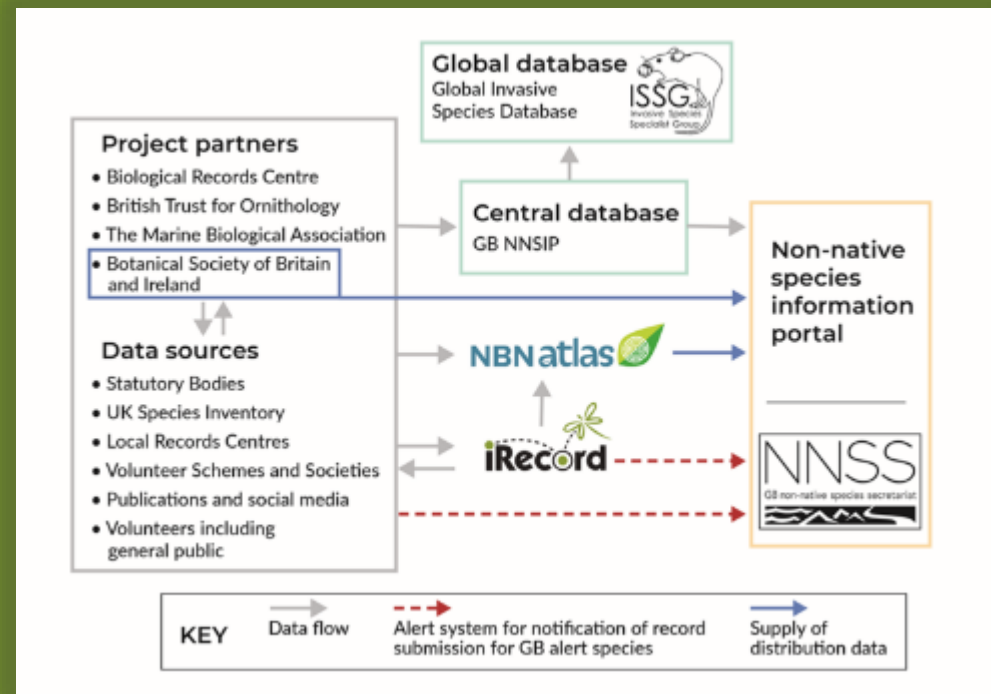
Importance of good data



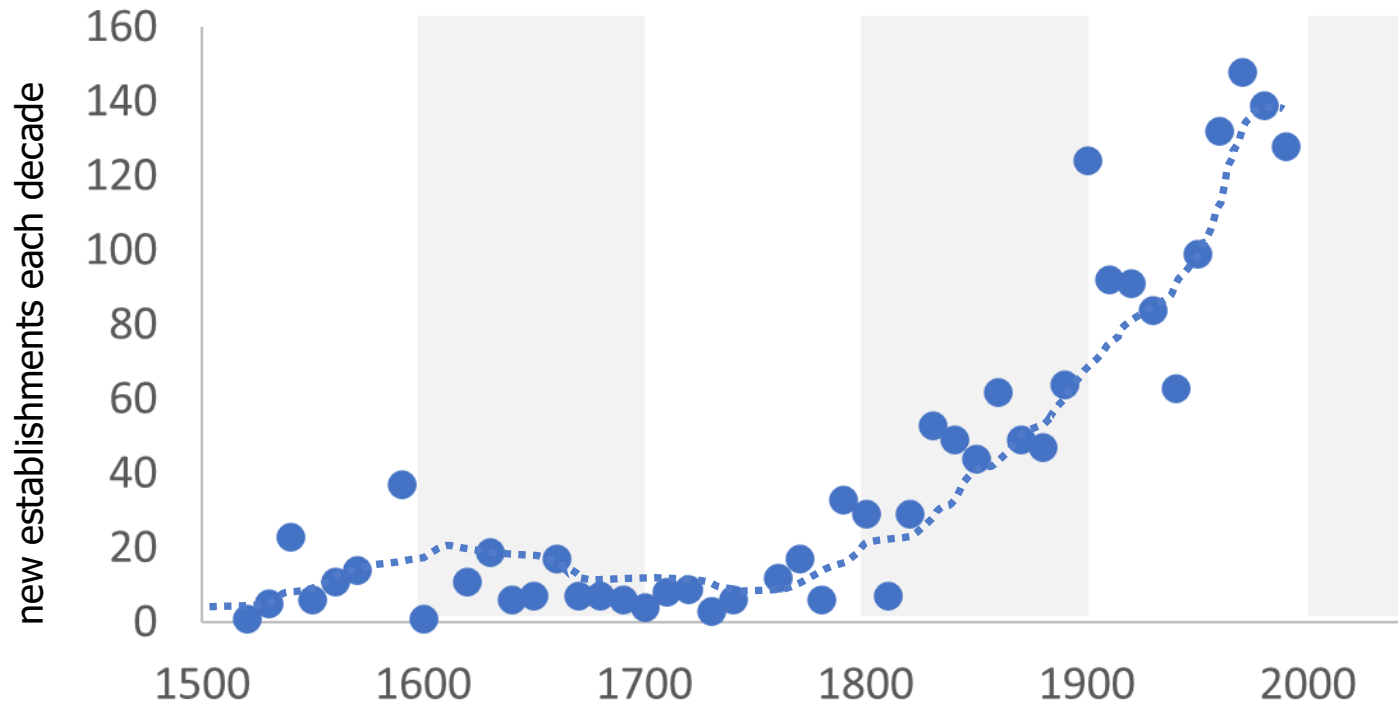
Good data is key
for targets -
particularly
preventing new
establishments

NNSIP (GB Non-native Species Information Portal)

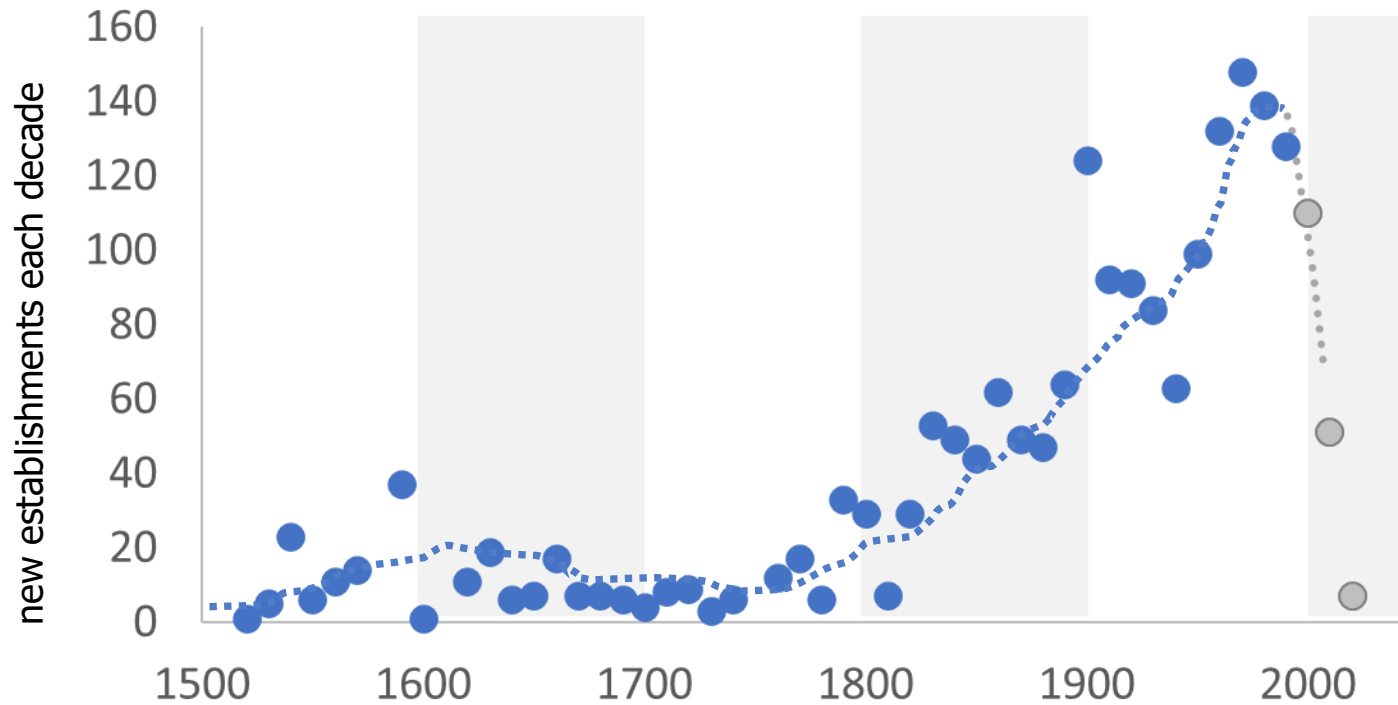
- Main repository for NNS data in GB
- Provides:
 - Coordination
 - Stats and trends
 - Alert system



Numbers of new species establishing in GB

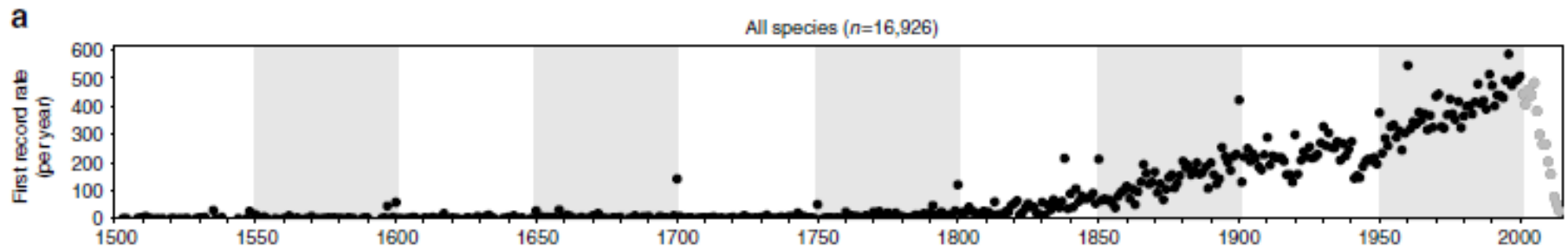


Numbers of new species establishing in GB



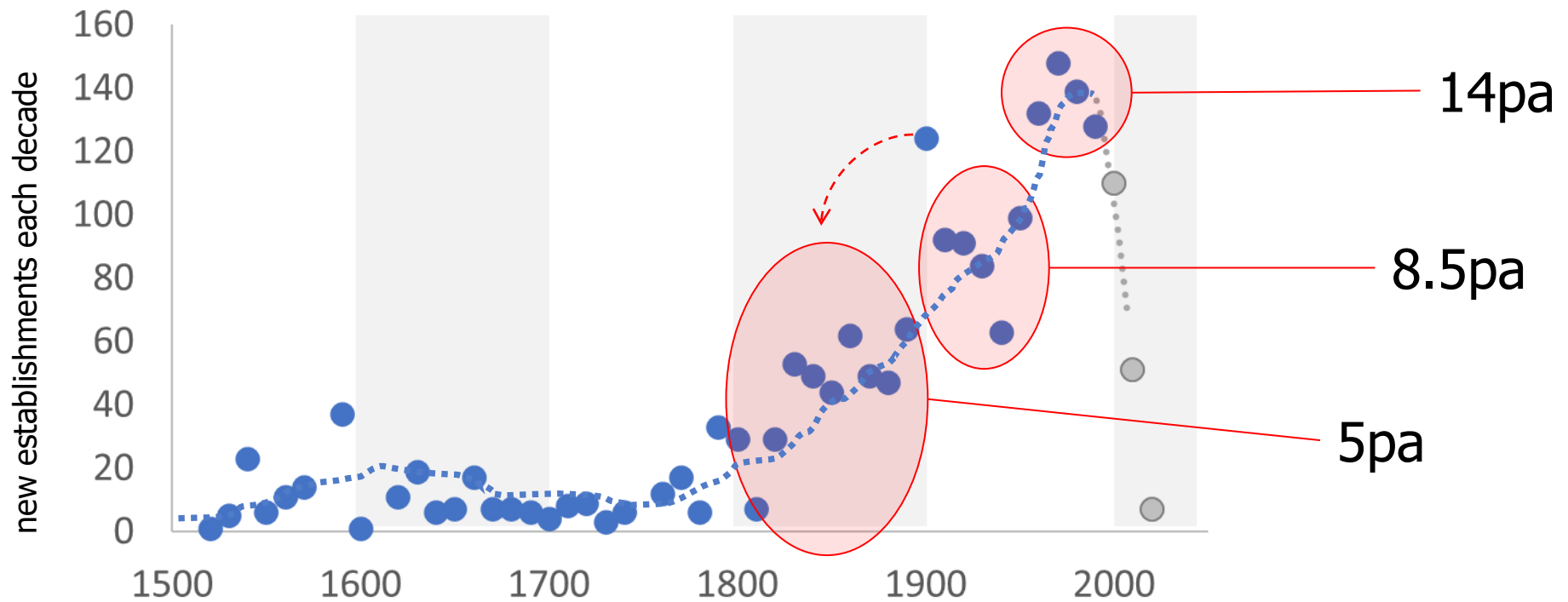
20+ year lag in
establishment data

Not just GB data



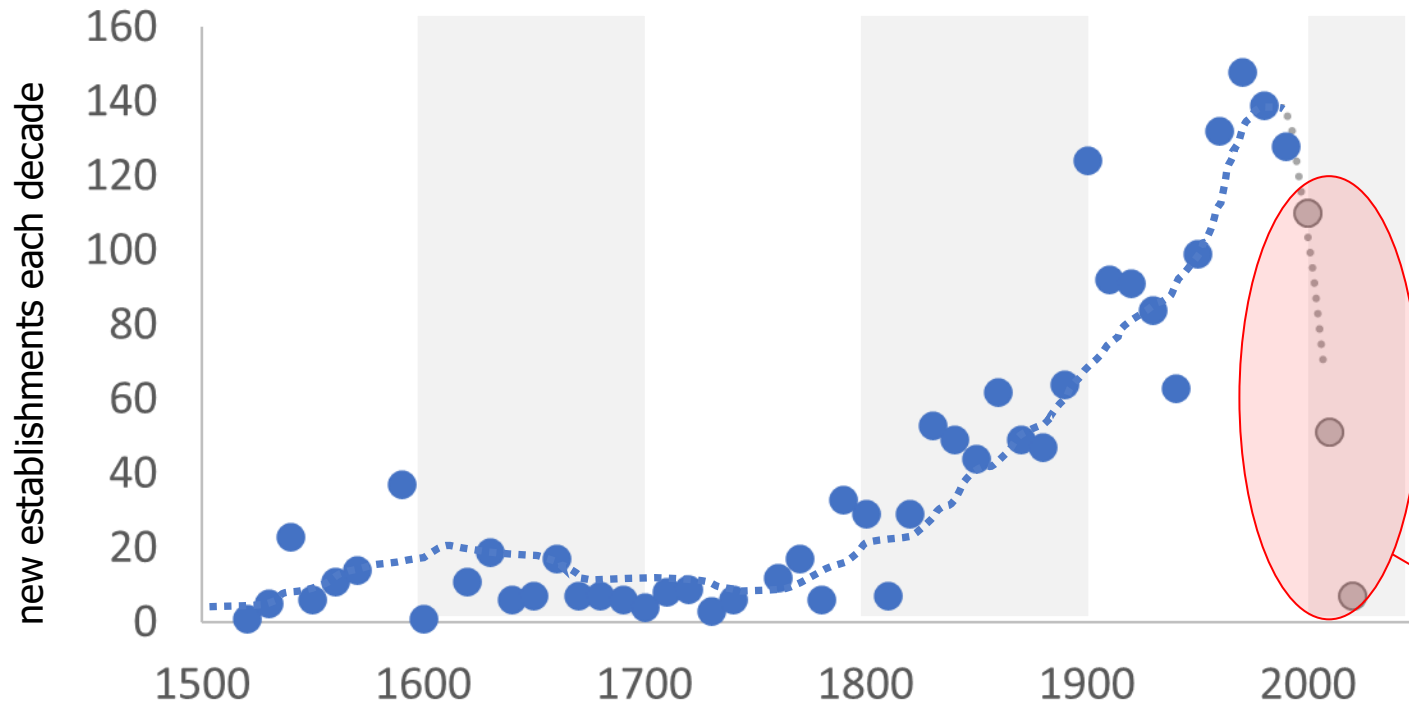
Seebens *et al.* (2017)

Numbers of new species establishing in GB



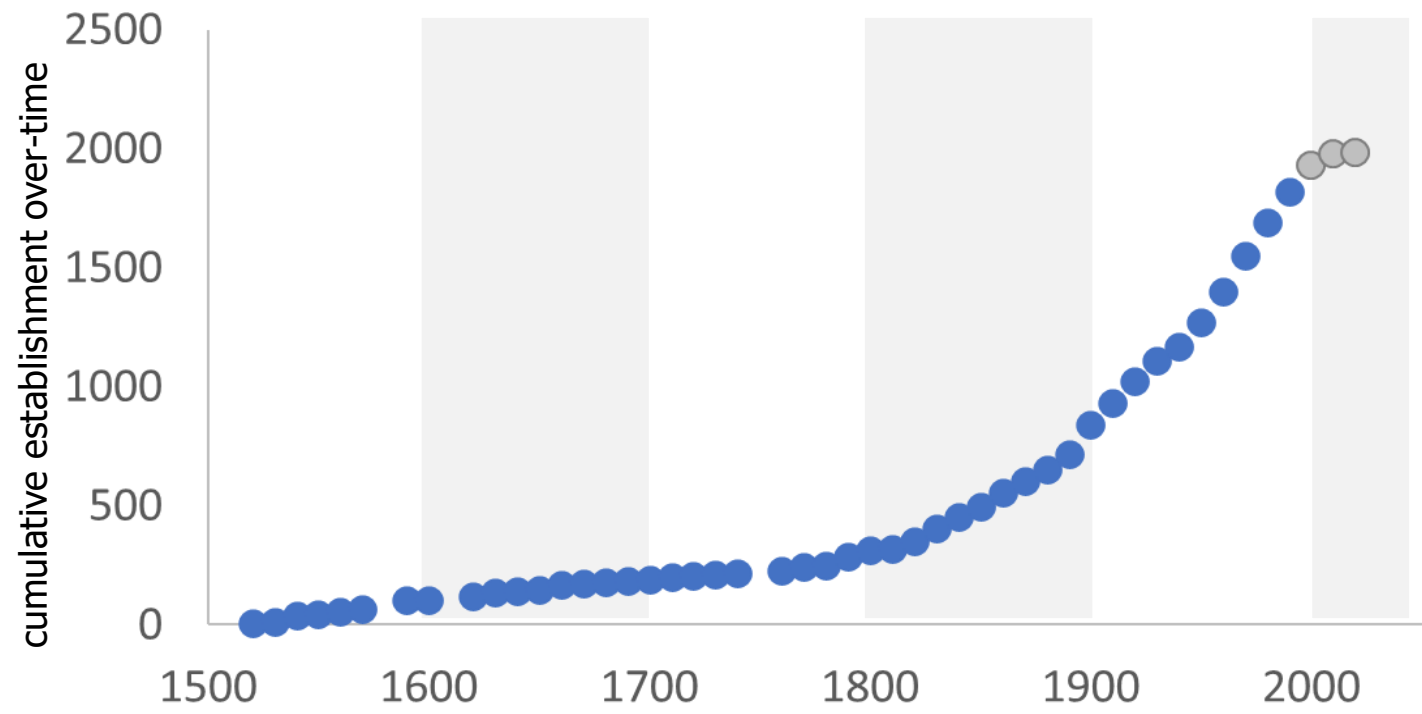
Mean establishments per annum

Numbers of new species establishing in GB



Only 5.5pa
since 2000

Cumulative increase over time

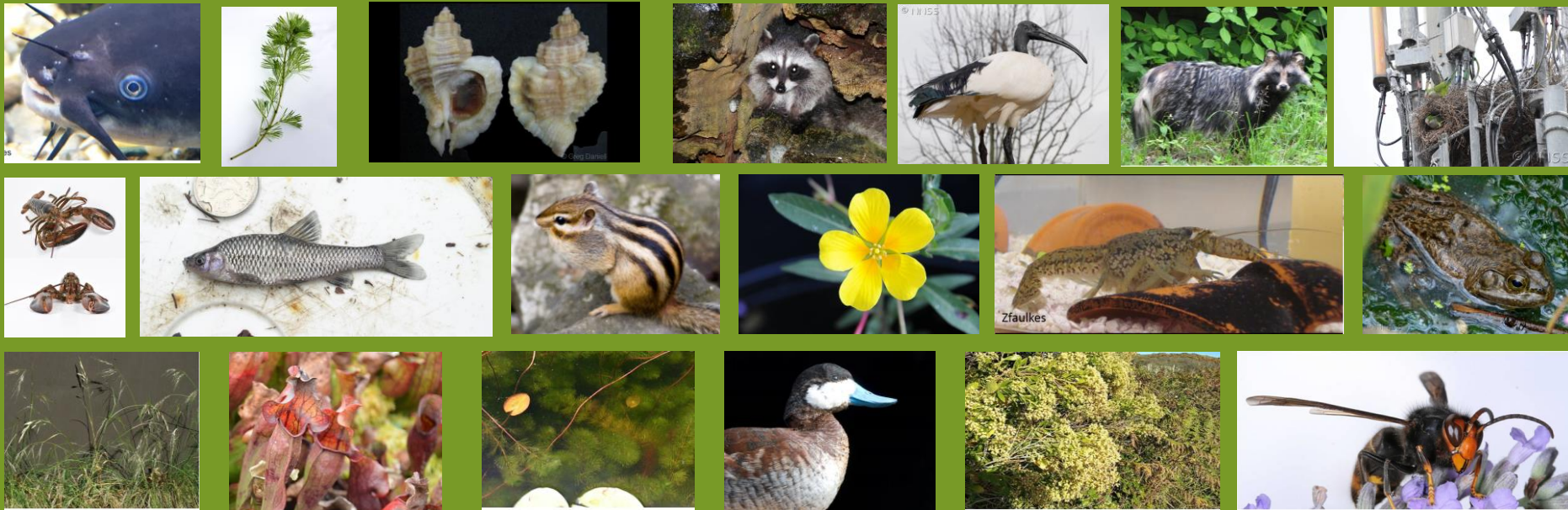


Detecting new species

- Specified alert species
- Other new species

Alert species

- Focussed list of 19 species to try to improve detection and reporting



Asian hornet alerts



Asian hornet alerts

- High levels of awareness (inc. bee keepers) ✓
- Clear how and where to report ✓
- Result = good levels of detection and response ✓

... so far



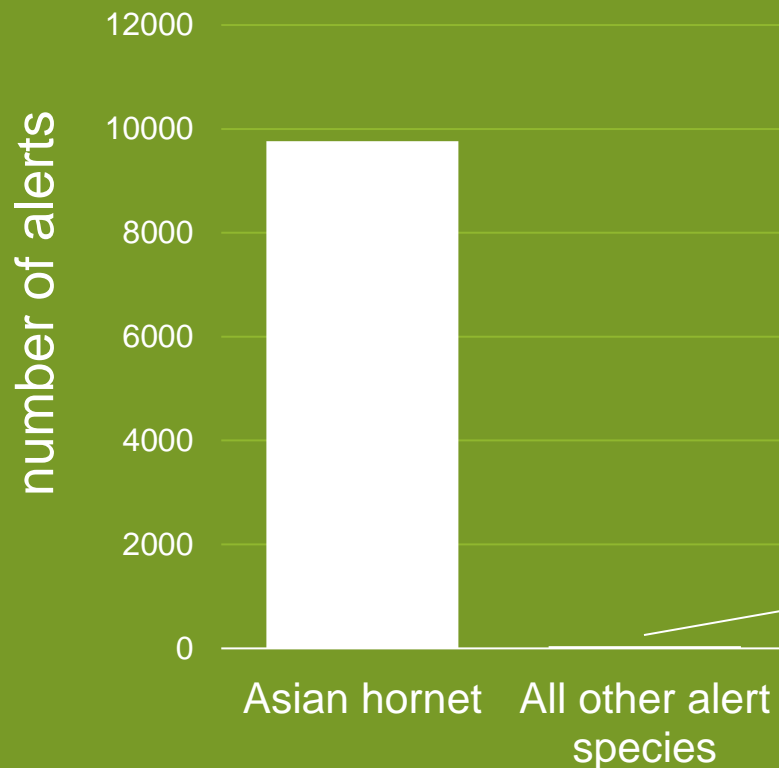
Other 'alert' species

- Some successes
- However ...



Other 'alert' species

Reports between 2021 and 2022



Need to raise awareness of the other alert species

<1% of records for the other 18 species

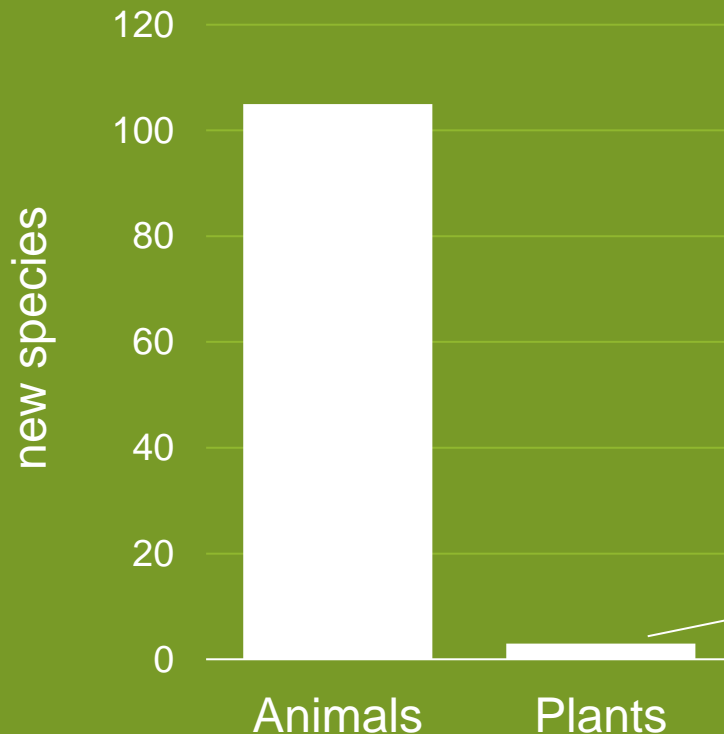
New species

- New arrivals that require consideration and potential response.



New species

New species reported in the wild since 2015



We are missing
plants

Only 3 plants
since 2015

New species

Detection and reporting by the alert system

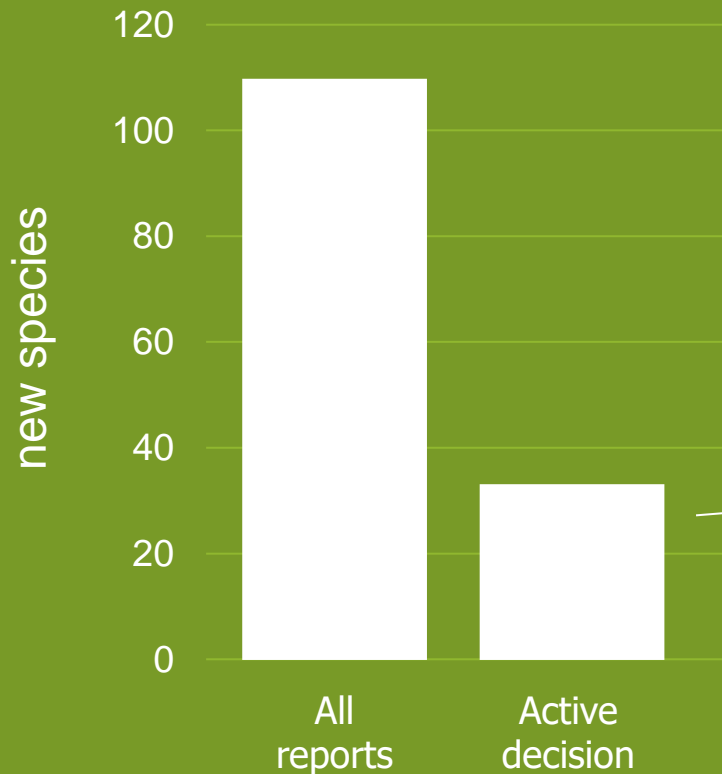


We are missing
other species

Alert system detected
only 2/3 of new species
the other 1/3 were
incidentally noted by
officials

New species

Response to new species



Active decisions
only taken for
minority of species

Decisions were taken for
about 36 species, leading
to removal in the field in
6 cases

How are we doing?

- Good in some areas:
 - Historical data and trends
 - Asian hornet
- But ... not collecting the data we need in the time we need it
 - Low levels of awareness and slow data flow for recent arrivals

What are we doing about it?

- Improvements in the pipeline:
 - Clarity over what species to record and how to record them
 - Improved protocol for handling alerts and passing to officials
 - Active decision making and logging
- Many challenges remain:
 - Slow initial detection and reporting
 - Should we have 'Asian hornet levels of awareness' for alert and new species – among schemes, societies, general public, etc

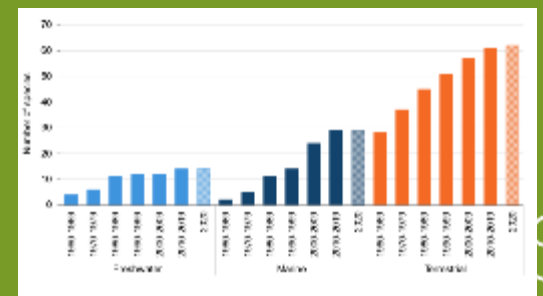
Thanks

Conclusions

- Despite some good progress - we are failing to record data needed to measure targets
- Need greater awareness of alert species and the need to report new species.
- Working on some challenges (coordination and decision making) but need all to work on data flow.

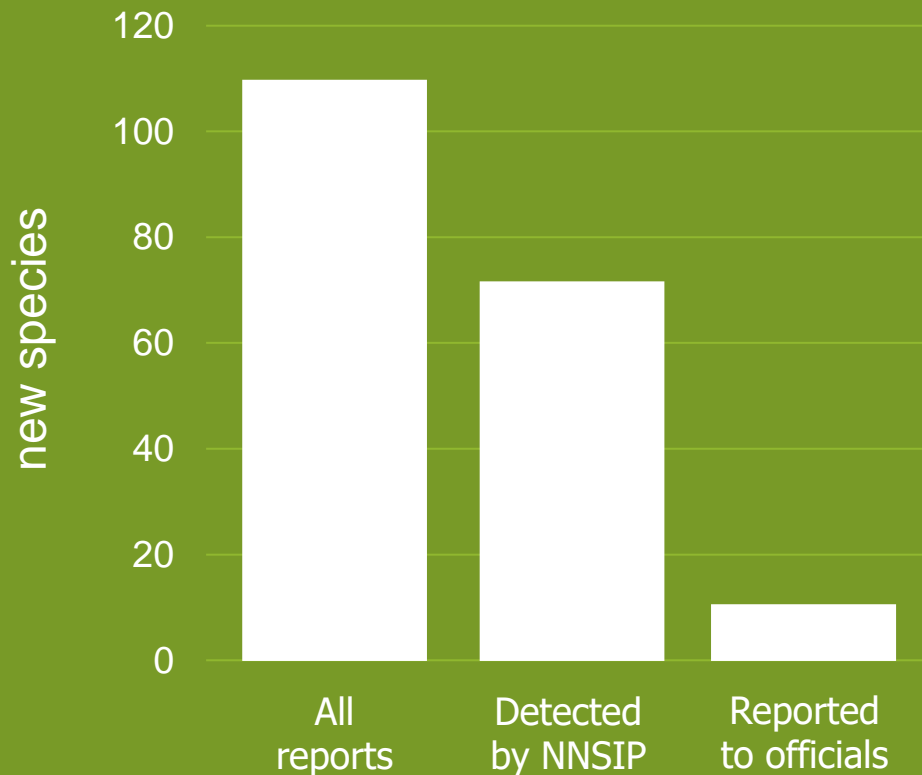
Alert reporting in GB

- What species?
 - Specific 'alert species'
 - Any new non-native species detected in the wild
- Used to support:
 - Rapid response / eradication
 - Monitoring progress towards targets (e.g. 50% reduction in establishments by 2030)



New species

Detection and reporting by the alert system

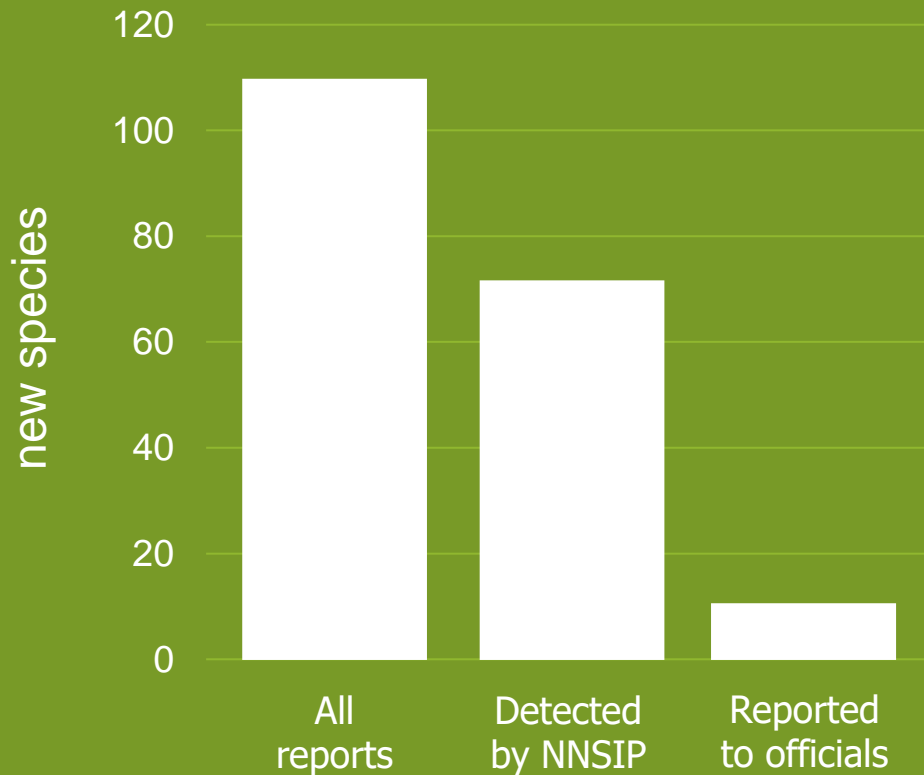


Most new species
are not being
reported to officials

Only 9% of
reports detected
by NNSIP reported
to officials

New species

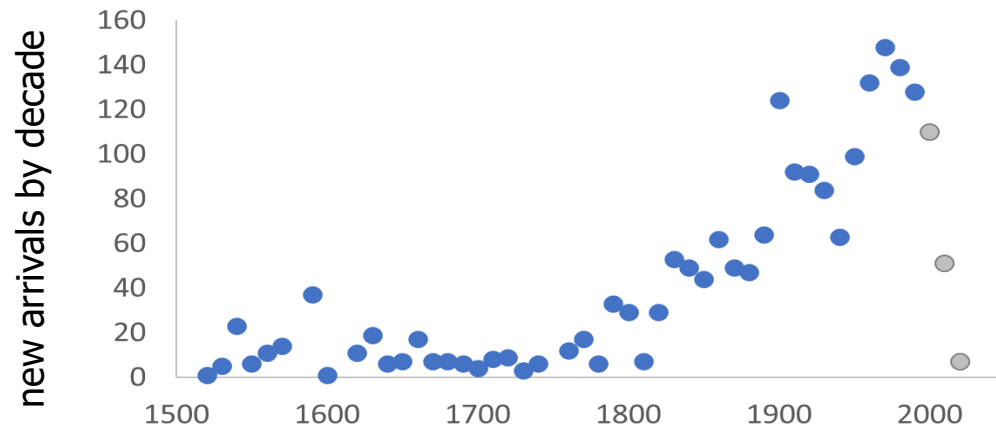
Detection and reporting by the alert system



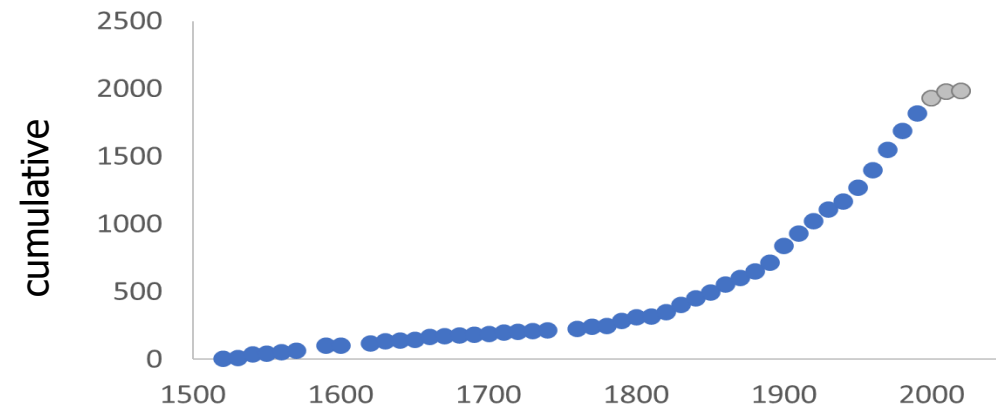
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Only 9% of reports detected by NNSIP reported to officials

Numbers of new species establishing in GB



No establishment
= drop to 0



No establishment
= flatline