GBIF survey of data use in research in invasive and introduced alien species

Welcome

As part of a broader global strategy on fitness for use of biodiversity data, GBIF is convening a Task Group on Data Fitness for Use in Research on Invasive Alien Species aiming to help improving the fit of data on invasive alien species to the variety of significant uses required and requested by this research community. The survey is designed by the task group to capture the best available experiences, document limitations in existing GBIF services, and suggest improvements in the functionality of GBIF.org for domain-specific needs.

We know your time is extremely valuable. This survey should take about 25 minutes. Please submit your responses at your earliest convenience, but not later than on 30 September 2016. If you have any questions about this survey, please contact Dmitry Schigel, dschigel@gbif.org.

Thanks in advance for your help.
Melodie A. McGeoch, Gregory M. Ruiz, Quentin Groom, Varos Petrosyan, Shyama Pagad, John Wilson

1. Contact information is optional, and is collected to make further communication and collaboration possible. We will not disclose your personal data or any other personal data provided by you to us to any third party.

Name

Organisation/Affiliation

Country

E-mail address

2. Position

- [ ] Invasion biologist
- [ ] Data analyst
- [ ] Biodiversity scientist
- [ ] Climate change scientist
- [ ] Paleoecology scientist
- [ ] Systematist
- [ ] Distribution modeller
- [ ] Policy researcher
- [ ] Conservation manager

Other (please specify)

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GBIF Usage

3. How long have you been using GBIF and/or GBIF data?

- ◯ Never
- ◯ <1 year
- ◯ A few years
- ◯ Since the beginning (2001)

4. How regularly do you use GBIF?

- ◯ Never
- ◯ Rarely
- ◯ A couple of times a year
- ◯ Several times a year

5. If you use GBIF, how do you access the data? Check all that applies

- ☐ From www.gbif.org
- ☐ Through R (e.g. the rgbif library)

Through any other means (please specify)

* 6. For which purpose have you used GBIF?

- [ ] Biogeographic modelling
- [ ] Gap analysis
- [ ] Mapping
- [ ] Geo referencing
- [ ] Searching for sources of data
- [ ] Horizon scanning
- [ ] Risk analysis
- [ ] Check listing
- [ ] Red listing
- [ ] Trend assessment
- [ ] Introduction pathway
- [ ] Environmental impact classification of alien taxa (EICAT) assessment

7. Which features in GBIF are valuable for research on biological invasions?

8. In which ways is GBIF least useful for research on alien and invasive species?

9. Do you have any comments on the quality/fitness for use of the GBIF data, when used for biological invasions research?

10. Which types of biological invasions data do you regularly use that are not contained within GBIF?

- [ ] DAISE
- [ ] NOBANIS
- [ ] GRIIS
- [ ] ISPRA
- [ ] ISSG
- [ ] IUCN
- [ ] The GIASIPartnership Gateway
- [ ] CBD
- [ ] Federal Noxious Weed Database
- [ ] Center for Invasive Plant Management
- [ ] Alien Plant Invaders of Natural Areas
- [ ] Invasive Species Forecasting System
- [ ] Invasive Species in Canada database
- [ ] Invasive Species in India
- [ ] Invasive Species in the Iberian Peninsula, Spain
- [ ] Introduced species in the British Isles United Kingdom
- [ ] Invasive Species in China
- [ ] Alien Species in Japan
- [ ] Atlas of Exotic Species in the Mediterranean
- [ ] Baltic Sea Alien Species Database International
- [ ] Asian-Pacific Alien Species Database
- [ ] Forest Invasive Species Network for Africa
- [ ] An International Nonindigenous Species Database Network
- [ ] Assessing large scale risks for biodiversity with tested Methods
- [ ] Other (please specify)

11. If the required data are contained within GBIF, but you use other sources, why?

12. What are the key ways in which GBIF could improve data fitness for use in biological invasions research?

13. Are there improvements to the GBIF portal that would make research on IAS easier?

14. Which other data portals do you use for information on biological invasions?

15. What is the minimum time (in months) you need between a taxon being observed and this observation becoming usable online?

	< 1 month	1 - 3 months	3 - 6 months	6 - 12 months	More than 1 year
To be of use in rapid response to potentially invasive species?	○	○	○	○	○
To be of use in niche modelling?	○	○	○	○	○
To be of use in impact assessment?	○	○	○	○	○
To be of use in horizon scanning?	○	○	○	○	○

16. What is the maximum spatial resolution, accuracy of a record in square meters or kilometers (m^2/km^2) you require for an observation to be useful in

	< 10 m	10–100 m	100–1000 m	1–5 km	5–25 km	25–100 km	Over 100 km
Rapid response to potentially invasive species?	○	○	○	○	○	○	○
Niche modelling?	○	○	○	○	○	○	○
Impact assessment?	○	○	○	○	○	○	○
Horizon scanning?	○	○	○	○	○	○	○

17. Have you published any papers/reports that use GBIF information or data?

○ Yes

○ No

18. If yes to the above question, please provide the citations (as digital object identifiers, where available) OIS reference(s)