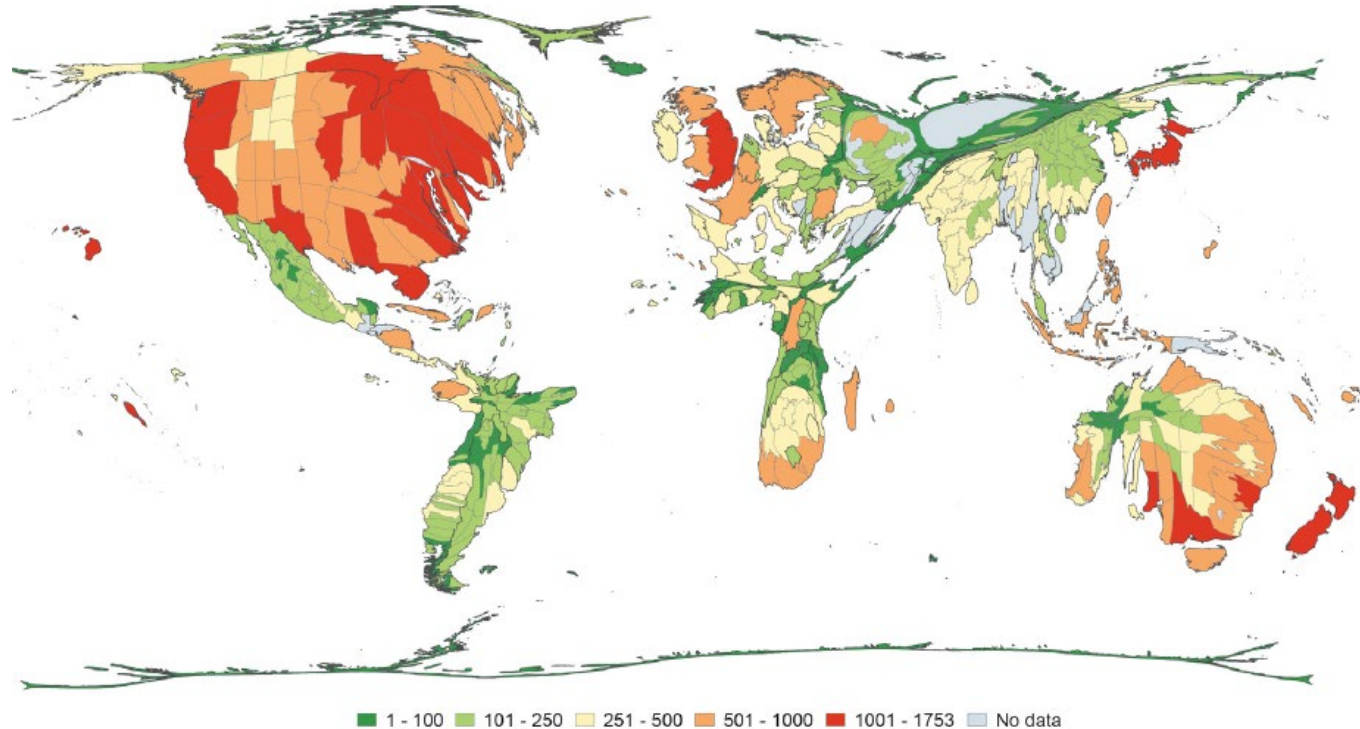


Managing global and country data on invasive alien species



Melodie A. McGeoch



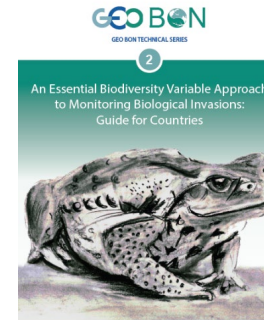
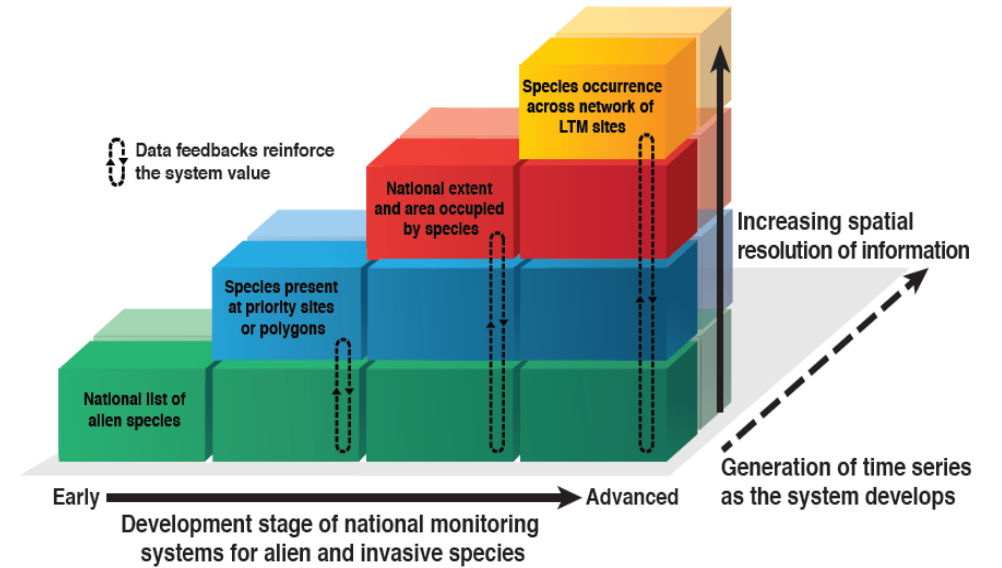
Over- and under-representation in expected naturalized alien flora of the world

Pyšek et al. 2017. *Preslia* 89: 203–274.

Essential Variables for Invasion Monitoring



National monitoring systems



Country guidelines- <https://bit.ly/383m2tL>

GEO GROUP ON EARTH OBSERVATIONS

Latombe et al. 2016. Biological Conservation

Global Register of Introduced and Invasive Species



- Country Checklists for 196 countries
- Includes information on evidence of impact
- Underway to include: pathways of introduction, EICAT mechanisms and severity categories, checklists for protected areas

Country checklists- <https://bit.ly/31ZrQCM>

Global Register of Introduced and Invasive Species



COUNTRY PROFILE

COUNTRY PROFILES

Solomon Islands



Solomon Islands

Further Information

- > InforMEA Profile
- > UNFCCC Profile
- > World Heritage Sites
- > GBIF Data
- > WTO Statistics
- > UNEP Live
- > Law and Environment
- > Invasive Alien Species

Published using GBIF's Integrated Publishing Toolkit (IPT)

CHECKLIST DATASET | REGISTERED MAY 16, 2018

Global Register of Introduced and Invasive Species - Solomon Islands

Published by [Invasive Species Specialist Group ISSG](#)
Shyama Pagad • Lian Jenna Wong • Bradley Myer • David Moverly

DATASET TAXONOMY PROJECT METRICS DOWNLOAD HOME PAGE 287 RECORDS

The Global Register of Introduced and Invasive Species (GRIIS) presents validated and verified checklists (inventories) of introduced (alien) and invasive alien species at the country level. Phase 1 of the project has focused on developing validated and verified checklists (inventories) of countries that are Party to the Convention on Biological Diversity. This annotated checklist (inventory) is of introduced (alien) and invasive alien species known to occur in the Solomon Islands

Project ID: BID-PA2016-0005-REG
Metadata last modified: May 16, 2019
Hosted by: Atlas of Living Australia

259 Accepted names 28 Synonyms

Description Purpose Geographic scope Taxonomic scope Methodology Contacts Data description GBIF registration Citation

Get data Share Tools Inside GBIF DOWNLOAD HOME PAGE

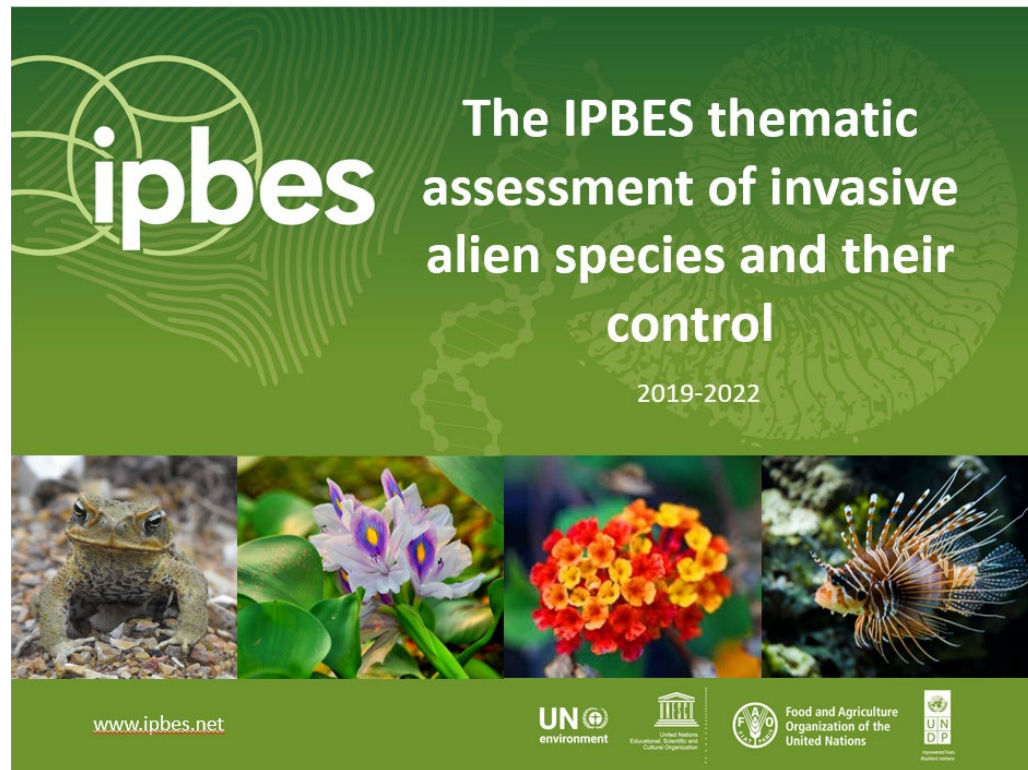
Registration date: May 16, 2018
Metadata last modified: May 16, 2019
Publication date: May 16, 2019
Hosted by: Atlas of Living Australia
Installation contacts: GBIF Helpdesk
Endpoints: http://ipt.ala.org.au/archive.do?r=solomon_islands_griis (Darwin Core Archive) • http://ipt.ala.org.au/eml.do?r=solomon_islands_griis (EML)
Preferred identifier: <https://doi.org/10.15468/eepek2>
Alternative identifiers since last successful ingestion: 1
Failed attempts since last successful ingestion: 1
Last failed attempt: June 6, 2019
Last successful ingestion: May 30, 2019 (Not modified)
Last ingestion with changes: May 16, 2019
Ingestion completion reasons: 4% Normal • 94% Not modified • 2% Abort
Ingestions in total: 51

Citation
Pagad S, Wong L J, Myer B, Moverly D (2019). Global Register of Introduced and Invasive Species - Solomon Islands. Version 1.2. Invasive Species Specialist Group ISSG. Checklist dataset <https://doi.org/10.15468/eepek2> accessed via GBIF.org on 2019-06-12.

gbif.org/publisher-issg

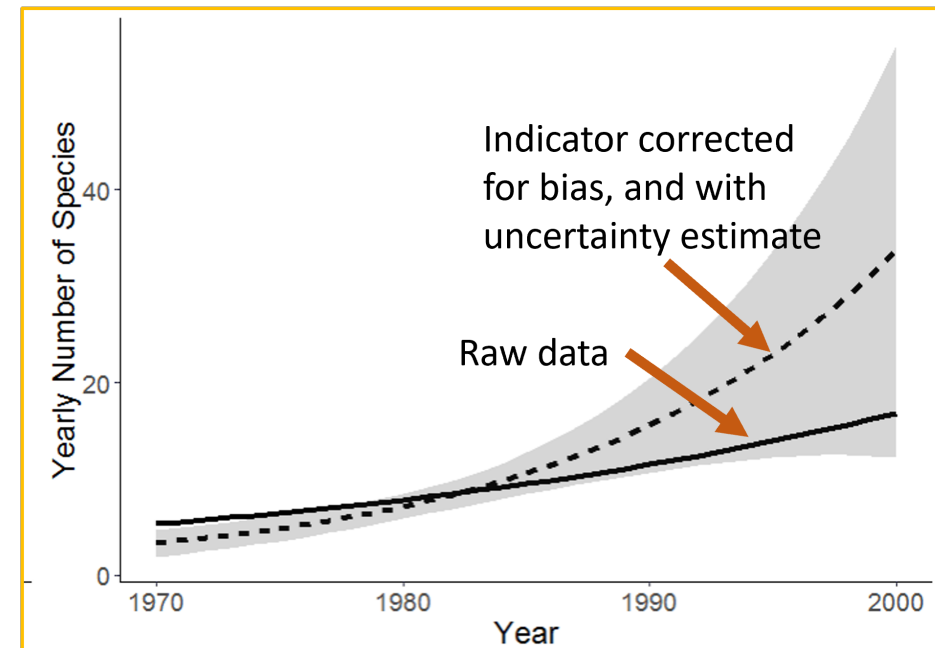
<https://ipt.gbif.org/manual/en/ipt/2.5/>

Value of GRIIS data in assessments of invasion status and trends



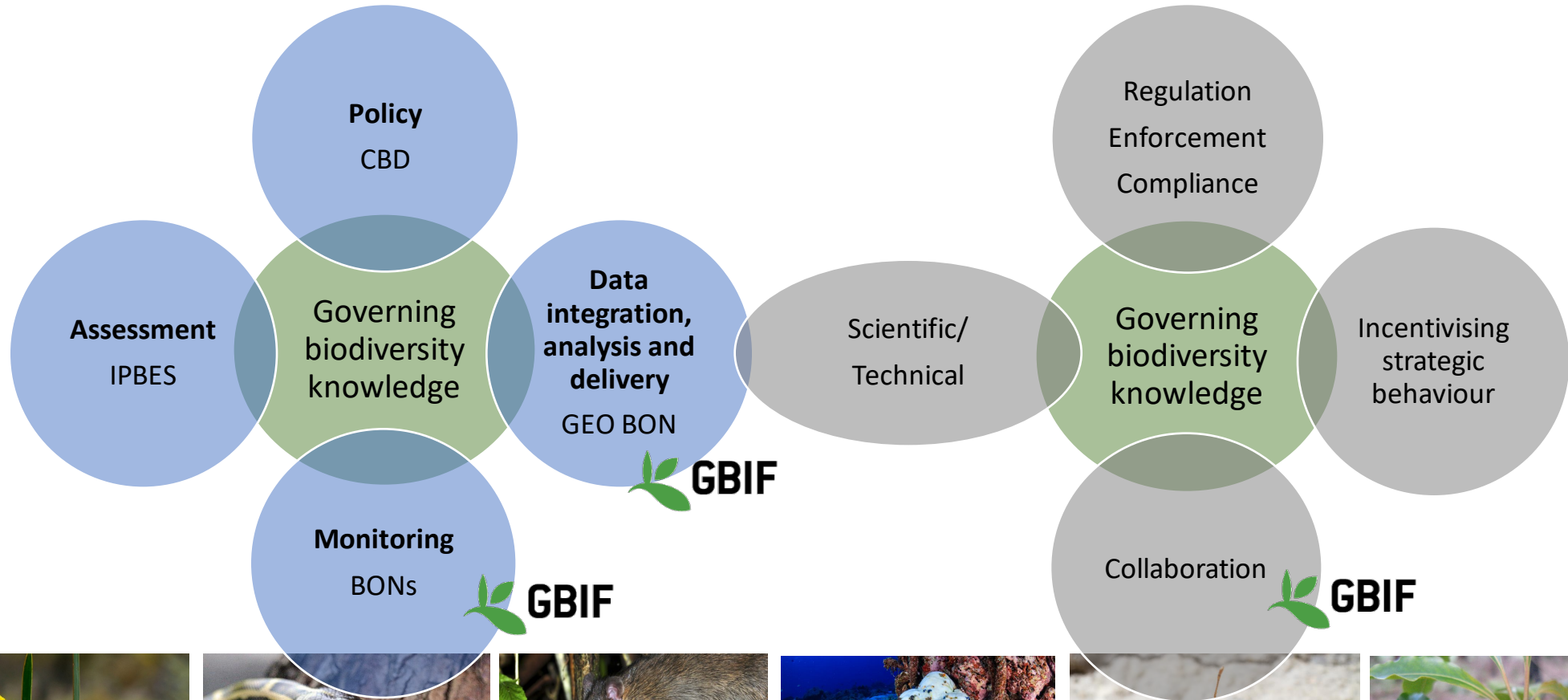
Post-2020 Global Biodiversity Framework –Target 6

Headline Indicator: **Rate of Spread**



J. Belmaker and H. Buba (McGeoch et al. <https://bit.ly/3tfNZd0>)

Infrastructure, long-term sustainability and people



(Sutherland 2004; Primmer et al. 2015)

Backbone for national scale surveillance and prioritization and for tracking global invasions

1. Taxonomic harmonisation for IAS
2. Helping to communicate the appropriate use and meaning of these data
3. Ecological metadata-finer scale
4. Stable and ongoing support for maintaining and updating IAS occurrence data as the



European wasp



Long leafed wattle



Wild boar

Acknowledgements

Shyama Pagad, Dmitry Schiegel, Donald Hobern, Quentin Groom, Chad Cheney, Llewellyn Foxcroft, Chris McGrannachan, Marten Winter, Piero Genovesi, Walter Jetz, Henrique Pereira, Laetitia Navarro, sTWIST Team...



Australian Government
Australian Research Council



<https://bit.ly/3tfNZd0>

Resources and further information:

Country guidelines- <https://bit.ly/383m2tL>
Country checklists- <https://bit.ly/31ZrQCM>

Invasion indicators - <https://bit.ly/3hUTloJ>
GRIIS methods-: <https://go.nature.com/2yYfcFh>

Data workflow- <https://bit.ly/3k3HDLI>
The researchers- <https://bit.ly/36tehXU>

Backbone for national scale surveillance and prioritization and for tracking global invasions

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Top 10 invasive alien insects in GRIIS by number of countries in which they occur and have an impact

Species	Invasive alien insect	Number of country occurrences	No. countries with impact
<i>Paratrechina longicornis</i>	Longhorn crazy ant	80	0
<i>Tapinoma melanocephalum</i>	Ghost ant	72	32
<i>Aedes albopictus</i>	Asian tiger mosquito	62	24
<i>Pheidole megacephala</i>	African big-headed ant	52	29
<i>Aedes aegypti</i>	Yellow fever mosquito	47	0
<i>Culex quinquefasciatus</i>	Southern house mosquito	46	0
<i>Monomorium floricola</i>	Flower ant	45	0
<i>Icerya purchasi</i>	Cottony cushion scale	44	0
<i>Bemisia tabaci</i>	Silverleaf whitefly	41	14
<i>Ceratitis capitata</i>	Mediterranean fruit fly	41	14
...