Mobilização de dados através do GBIF – usos na pesquisa

Tim Hirsch, Deputy Director, GBIF Secretariat
SiB-Br Relaunch event, Brasilia, 25 November 2014
USOS DE DADOS NA PESQUISA

- Espécies exóticas invasoras
- Impactos das mudanças climáticas
- Prioridades na conservação (espécies ameaçadas, áreas protegidas)
- Agricultura e alimentação (parentes silvestres de lavouras)
- Saúde humana (doenças zoonóticas)
- Entendimento de biodiversidade (biogeografia, filogenética, ecologia)

Modelled environmental niches of 3 bat species associated with Ebola transmission

- Occurrence records accessed via GBIF
- At-risk areas cover 22 countries, population of 22 million
- Helps to prioritize surveillance and diagnostic capacity in at-risk areas
A simple, rapid methodology for developing invasive species watch lists

Katelyn T. Faulkner, Mark P. Robertson, Mathieu Rouget, John R.U. Wilson

- Used more than 20m records via GBIF of 884 species on Global Invasive Species Database (GISD)
- Modelled likely invasion success for South Africa based on environmental suitability, propagule pressure
- Identified watch list of 400 potential invaders
- Methodology applicable to any region

http://dx.doi.org/10.1016/j.biocon.2014.08.014
Formulating conservation targets for a gap analysis of endemic lizards in a biodiversity hotspot

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• Obtained occurrence records of 30 endemic Cerrado lizards from GBIF and other sources
• Produced distribution models using Maxent
• Formulated conservation targets based on natural rarity, vulnerability (future habitat loss), life history
• Gap analysis considering strictly protected areas
• Found only one species was adequately protected by existing network

http://dx.doi.org/10.1016/j.biocon.2014.09.016