POLICY BRIEF #6 LOG SHEET: Action on invasive alien species should better anticipate climate change effects on biological invasions in Europe

IEEP was contracted by the Royal Belgian Institute of Natural Sciences (RBINS)/Belgian Science Policy Office (BelSPO) on behalf of BiodivERsA to produce a series of policy briefs based on the results of BiodivERsA funded research projects funded by the BiodivERsA calls 2010-2011, 2011-2012, 2012-2013, and 2013-2014, as well as other EU-funded research projects where relevant.

Knowledge and methodology used

The Policy Brief "Action on invasive alien species should better anticipate climate change effects on biological invasions in Europe" is based on the scientific results of several projects funded by the BiodivERsA network (listed below). The Brief extracts and summarizes some key results of the projects and provides a list of relevant policy recommendations linked to current EU policy processes.

The Brief was drafted by the Institute for European Environmental Policy (IEEP), in consultation with the BiodivERsA Policy Briefs Working Group (lead by BelSPO), and with researchers from the respective projects.

The project team of IEEP initially consulted all relevant BiodivERsA project reports from the relevant time period (2010-2014) as supplied by the BiodivERsA secretariat. Some potentially interesting project findings were identified from these reports and the IEEP team then located the full text of published peer-reviewed scientific articles produced by the projects. Project leaders and researchers were then contacted to request additional publications and project findings. All sources used are listed below.

Sources of information for the policy recommendations included:

- Studies carried out by IEEP and others on the development and implementation of the IAS regulation
- Interviews carried out with authors of the peer-reviewed scientific publications used

Publications from other BiodivERsA projects, BUFFER, DIARS and Salmoinvade, were reviewed but not used in the Brief because findings were more relevant to other aspects of invasive alien species risk management, which were not the focus of this Policy Brief.

Quality control and validation was done by all parties (co-authors) involved:

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Sources of information consulted for key research findings

Project reports used:

INVAXEN interim project report
RESIPATH interim progress report
WholsNext interim progress report

Peer-reviewed scientific publications used:


(INVAXEN)


• Redondo, M A, Boberg, J, Olsson, C H B and Oliva, J (2015). Winter conditions correlate with Phytophthora alni subspecies distribution in southern Sweden. Phytopathology No 105 (9), 1191-1197. (RESIPATH)


Other research findings were consulted:


• DRAFT WORKING DOCUMENT: COMMISSION DELEGATED REGULATION ANNEX 1 Detailed description of the application of point (a) to (h) of Article 5(1) of Regulation 1143/2014. Scientific Forum on Invasive Alien Species, http://ec.europa.eu/transparency/regexpert/


Interviews carried out
• Wayne Dawson, WholsNext, 28th August 2017
• Iwona Dullinger, WholsNext, 30th August 2017
• Jonás Oliva, RESIPATH, 24th August 2017

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Figures produced by the scientists; and permission directly obtained through them. The figures were redrawn from previous versions published in Redondo et al (2015) and Dullinger et al (2017).

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Dissemination

The policy brief will be disseminated by both BiodivERsA and IEEP according to the dissemination plan produced by IEEP.