

生態リスクCOE 第43回公開講演会

主催：横浜国立大学グローバルCOE「アジア視点の国際生態リスクマネジメント」
共催：日本応用動物昆虫学会



“Ecological risk assessment of GMO crops”

GMO作物の生態リスクアセスメント

◆Speaker

David A. Andow **デビッド・アンドウ**

(University of Minnesota, USA) **ミネソタ大学教授**



専門は、昆虫生態学。バイオテクノロジーの環境リスク分析（遺伝子組換え生物）と侵略的外来種について、また持続可能な農業生態系を中心とした昆虫の行動と個体群動態ならびに種間関係についての生態学的研究を行っている。

◆ Abstract

The ecological risks associated with transgenic organisms have been a controversial issue, and so have the models for the assessment of these risks. I propose an ecologically-based risk **assessment** model that follows the 1998 US-EPA guideline for ecological risk assessment (ERA). This is a tiered, ERA model focused on assessing risks to biological diversity that is flexible enough to address any transgenic organism, not only transgenic insecticidal crops. I present a methodology for the first tier of this larger model. The first tier is designed to screen hazards (= potential adverse effects) to biological diversity from transgenic organisms introduced into the environment by eliminating unfeasible, insignificant, or acceptable hazards. The approach gives the local country the authority to mould the ERA process to reflect the local ecological values (species conservation, park preservation, sacred areas, and so on). It emphasizes clear, ecologically-based decision-making and provides formal methods for completing a screening ERA and subsequently moving to a definitive ERA as needed. The model uses methods that can identify direct, indirect, immediate, delayed, and cumulative ecological effects, and is structured to provide fiscal and methodological flexibility for a regulatory authority. It requires the input of substantial human capital, but the kinds of human capital required are likely to be available in most countries.

日時: 2010年3月29日(月) 10:00-11:30

場所: 横浜国立大学 環境情報1号棟314室

アクセスは右記のURLを参考にしてください(http://www.ynu.ac.jp/access/acc_index.html)

参加無料 事前申し込み不要です。興味のある方はどなたでもご参加ください。

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