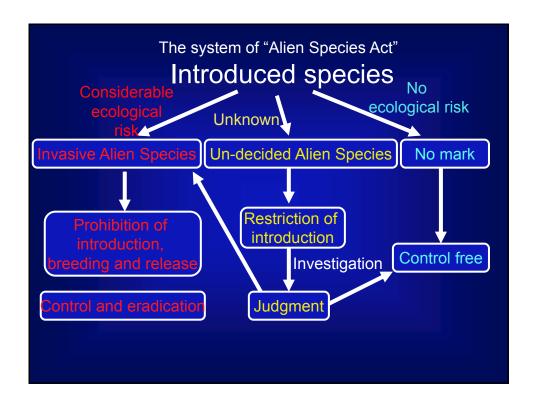


環境省 The Ministry of Environment

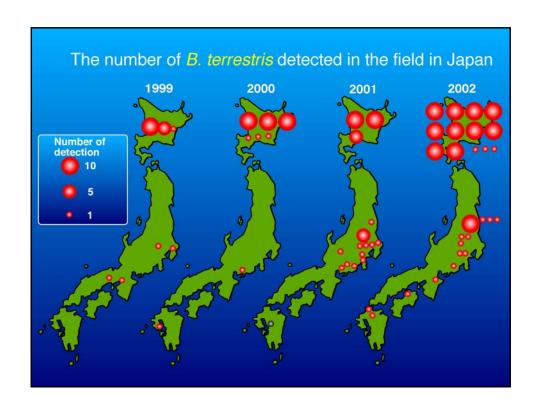
「特定外来生物による生態系等に係る 被害の防止に関する法律」 "Invasive Alien Species Act"

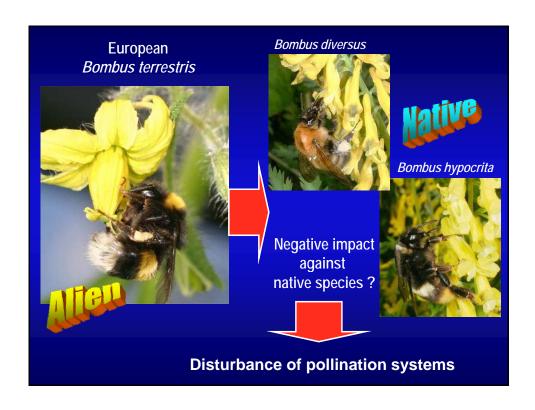


Judgment of ecological risks of I.A.S.

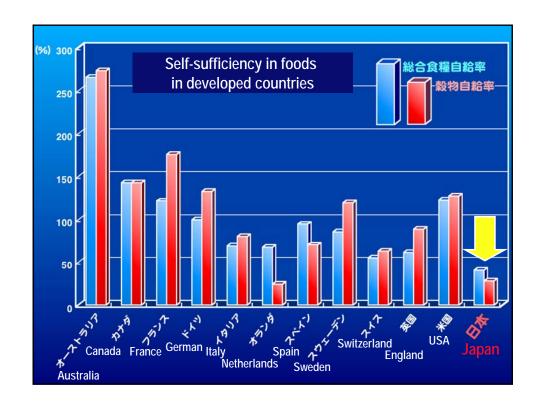
- 1) Predation against native species
- 2) Competition with native species
- 3) Destruction of native flora
- 4) Genetic introgression into native species

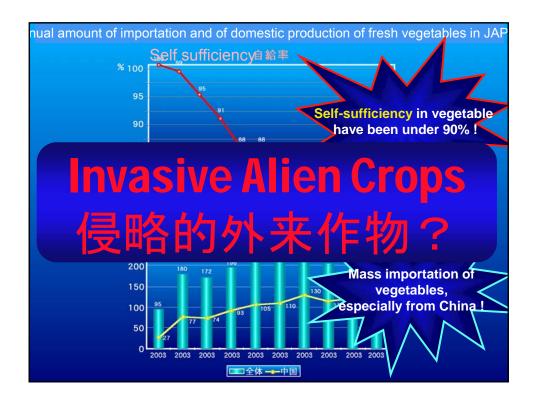












Reinforcement of food self-sufficiency

1) Reducing costs

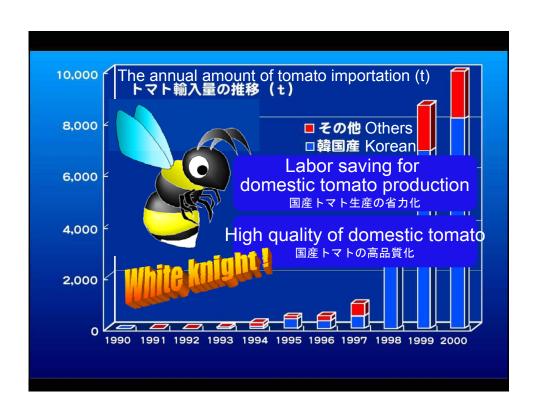
Labor saving and simplifying of agricultural wo for saving of labor costs

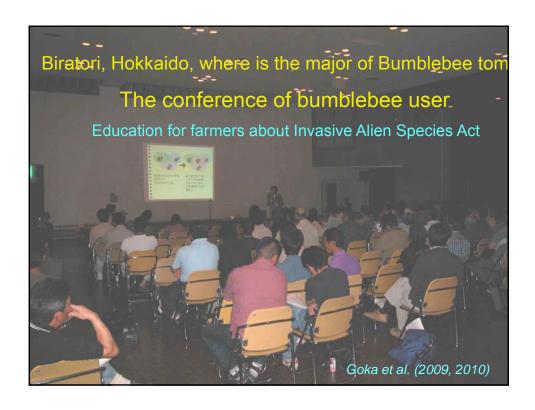
2) Specialty

Organically grown vegetables Fully ripe vegetables High-quality and high-added value

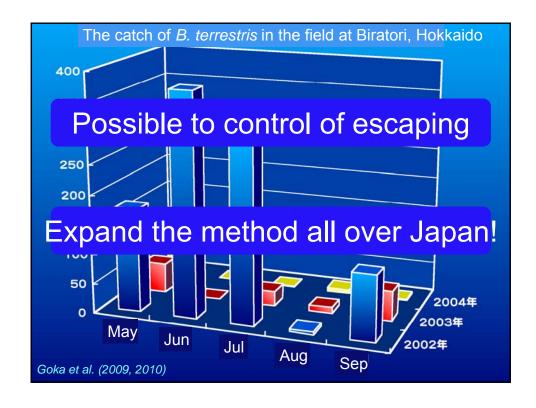
3) Increase the productivity

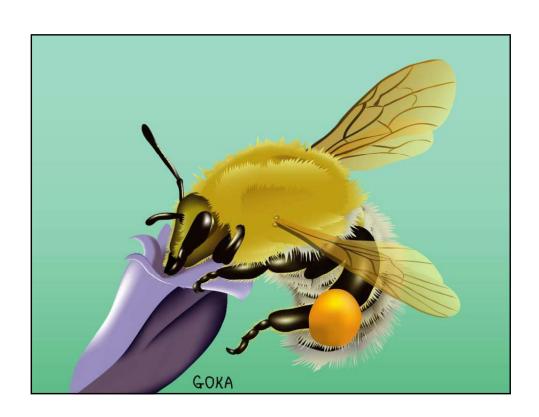
Financial assistance to farmers

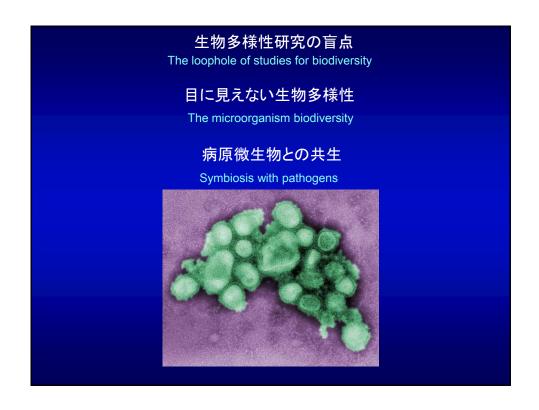




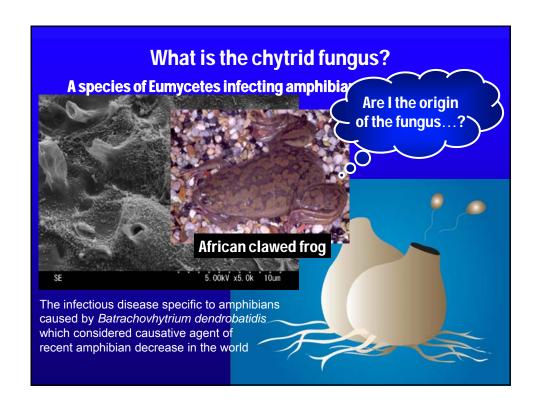


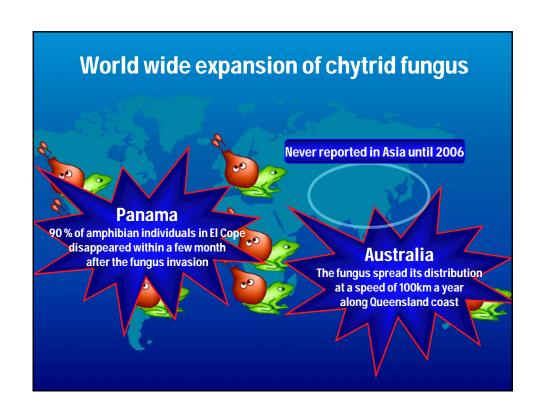






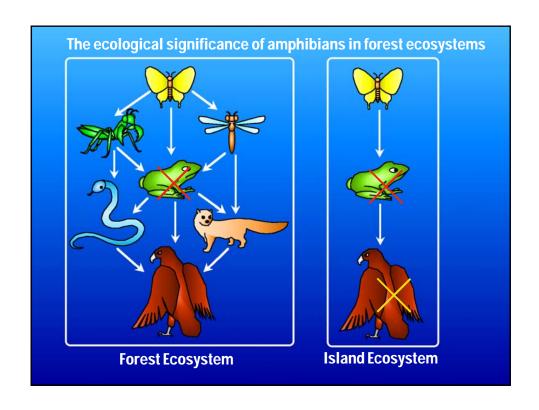


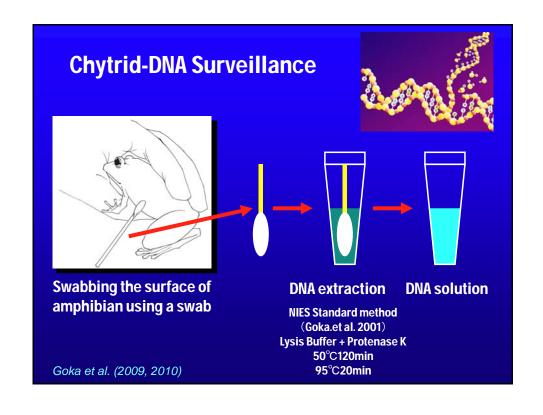


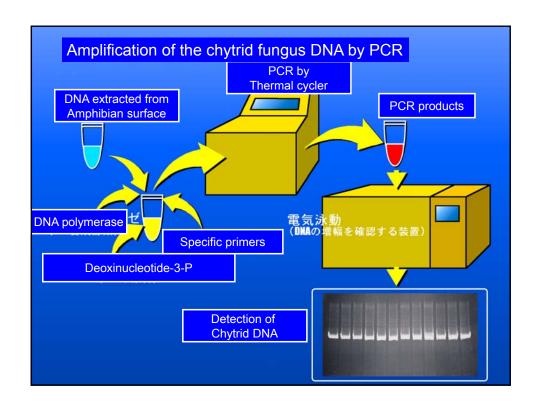


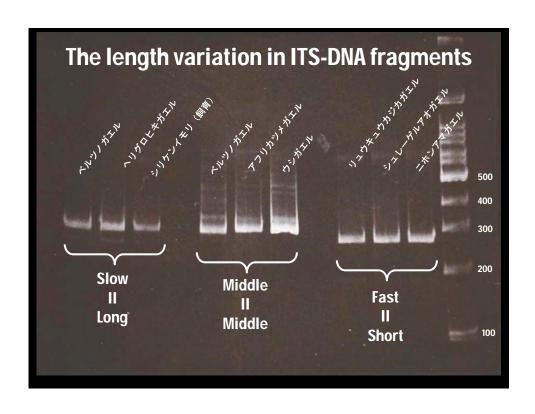


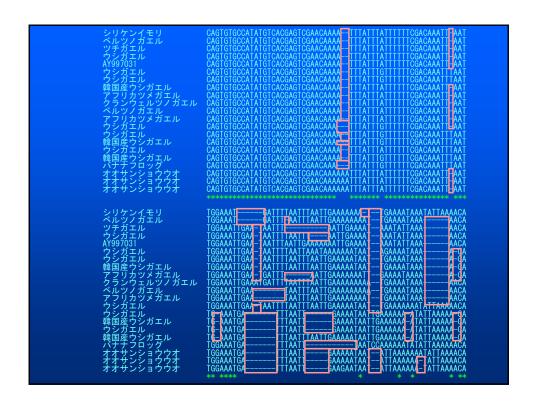


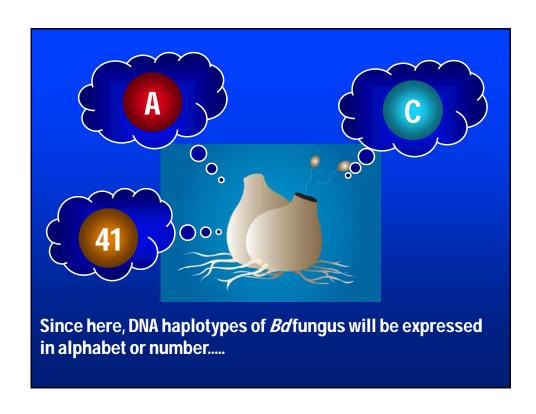


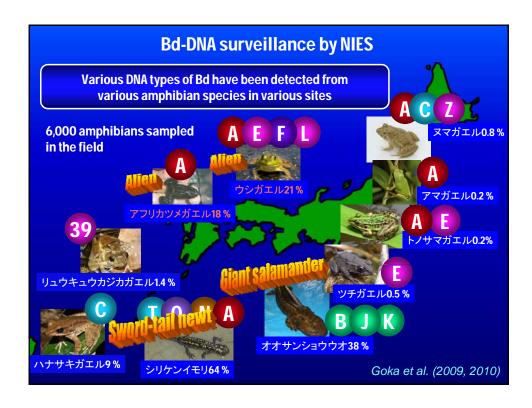


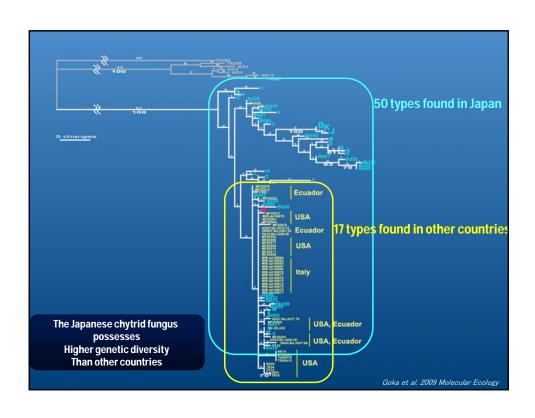


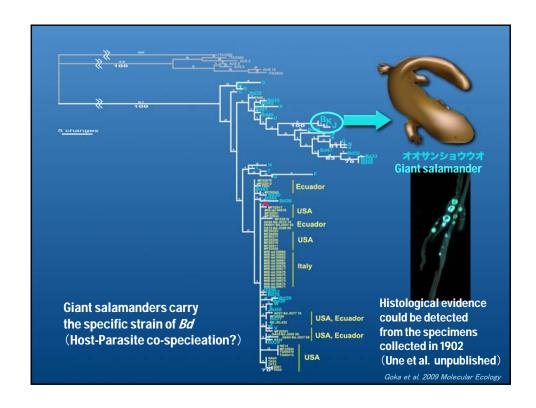


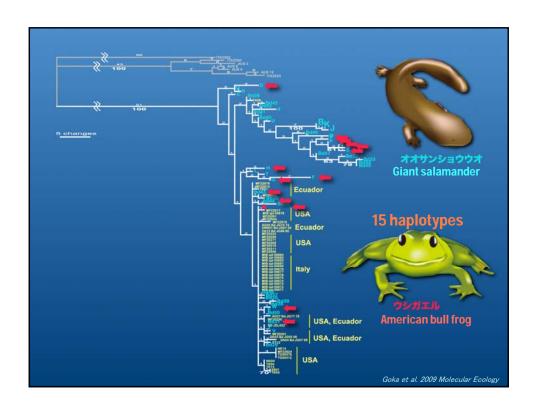


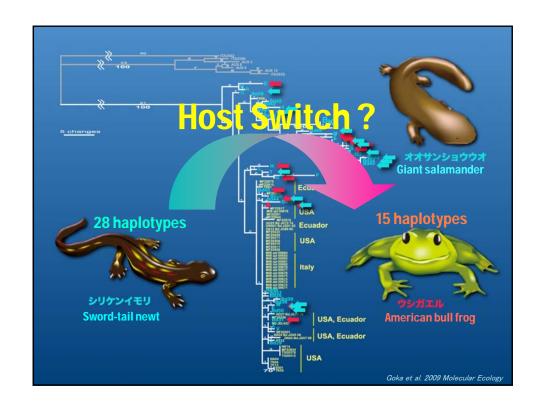


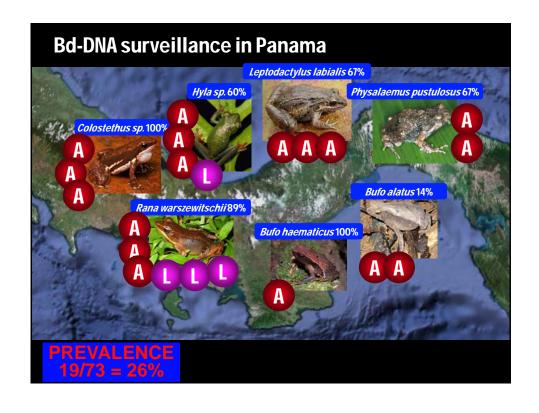


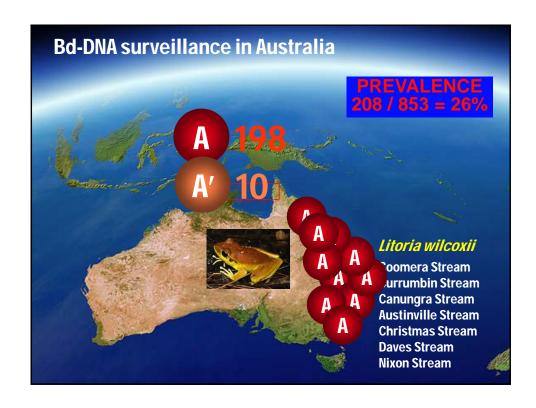


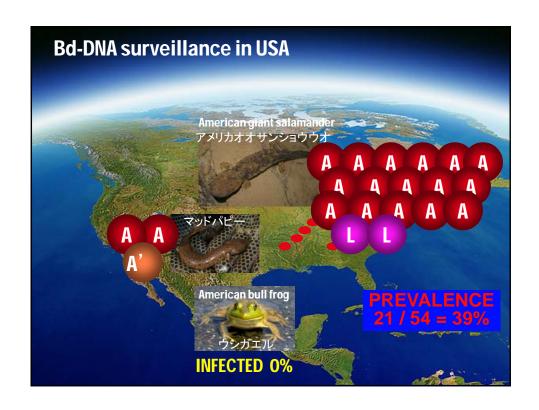


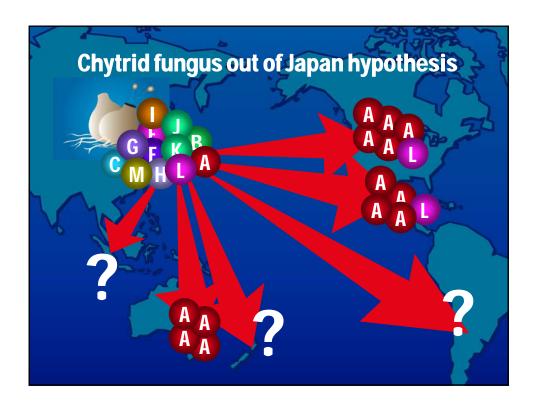


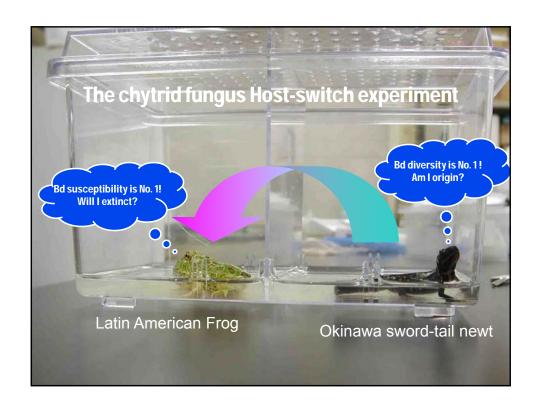


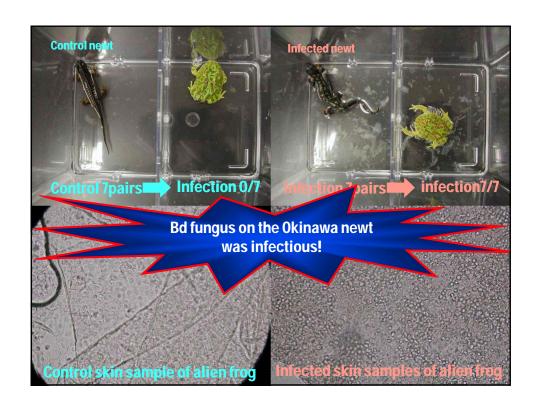


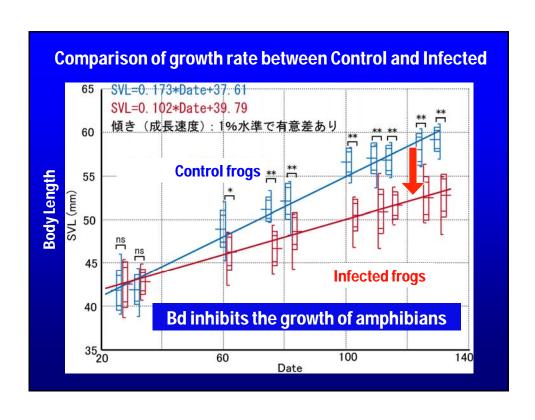




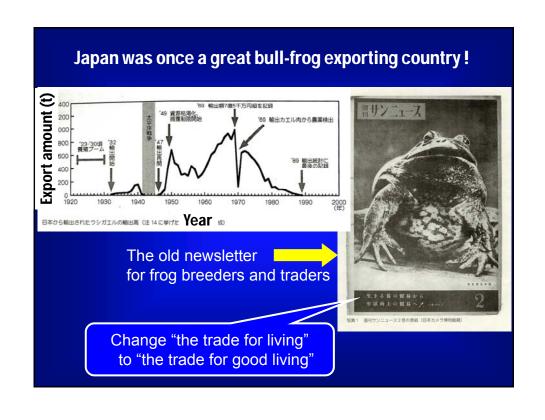


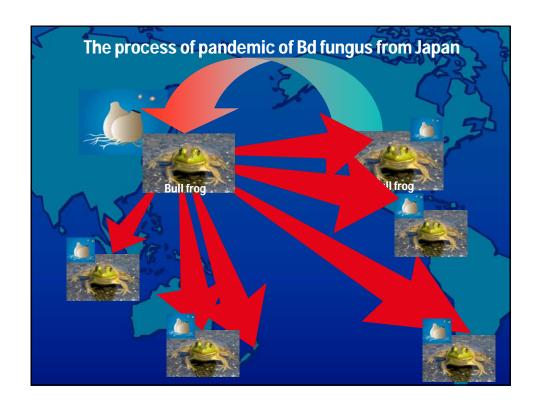




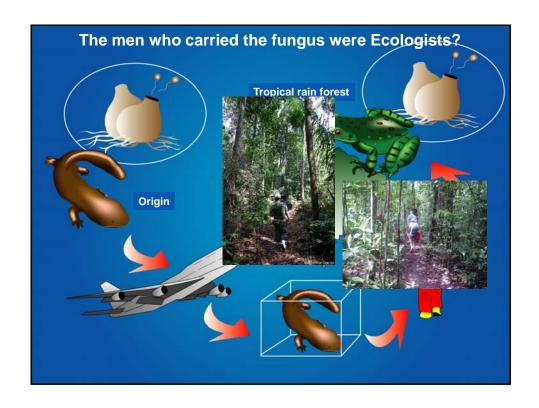


Implications from Japan Bd Surveillance O日本のカエルツボカビには高い多様性が存在する。 High genetic diversity in Bd in Japan O日本のカエルツボカビの一部には固有性がある。 Endemisms and host specificity in Bd in Japan (Giant salamander) O日本の両生類においてカエルツボカビ症による大量死は未確認。 No report of pandemic nor symptoms of Bd in Japan O感染実験でも感染するも発症は認められず(抵抗性がある?)。 Resistance against Bd in the Japanese amphibians. Oカエルツボカビの起源は日本(アジア)にある!? The origin of Bd came from Japan!?









寄生生物の多様性の危機とPandemic

The crisis of biodiversity in pathogens and pandemic as consequence

〇近年の新興感染症Emerging Diseasesの感染爆発Pandemicの背景には生物多様性の崩壊がある。

The collapse of biodiversity has caused the pandemic of emerging diseases in these days

〇野生生物と病原体の間には永きにわたる宿主-寄生生物共 進化関係が存在する。

Wildlife and pathogen have constructed host-parasite relationships through a long co-evolution

○生物多様性は病原体微生物のゆりかごでもある(**Daszak, 2006**iversity is a cradle for pathogenic micrio-organisms

〇野生生物の生息地の破壊と生物移送が、共進化の歴史を崩壊させ、病原体微生物は新たな住処を求めて宿主転換Host switchを繰り返している。

Natural habitat destruction and transportation of wild-life have caused collapse of history of Co-evolution between host and parasite.

