CESAB
CENTRE FOR THE SYNTHESIS AND ANALYSIS OF BIODIVERSITY

INVAHEALTH

Global human health costs from biological invasions

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CESAB - *CESAB (CEntre for the Synthesis and Analysis of Biodiversity) is FRB's flagship program and an internationally renowned research center whose objective is to implement innovative work to synthesize and analyze existing data sets in biodiversity research.*

Biological invasions are a major component of global change. They have important ecological, socio-economic, and health consequences, including the spread of diseases, severe allergies, and impacts on mental and physical well-being. The monetary quantification of these impacts is an effective way to alert policymakers and stakeholders, and contributing to the co-design of sustainable solutions. While the recent, open-access *InvaCost* database provides a comprehensive overview of monetary costs associated with invasive species, health-related costs remain underrepresented.

To address this gap, the ***INVAHEALTH*** database aims to **categorize and quantify the specific impacts of biological invasions on human health.** It will be based on a framework including an eco-epidemiological component detailing various mechanisms affecting health and an economic component assessing cost distribution among stakeholders. This resource will facilitate future research, inform science-based policies, and contribute to better human health outcomes by preventing and addressing invasion-driven impacts, while promoting biodiversity conservation and ecological integrity.