
Project Zoo: Pet Registry Index

Protecting World-Renowned Places With
Medical Records For Traveling Pets

Threatening Rich Biodiversity

There are just over 100 bio-secure areas in the world, put at risk by foreign (zoonotic) diseases.



Pets need papers to visit Hawaii

Pets must wait 120 days from the date the lab receives the blood sample for the rabies test. Should your pet arrive prior to this, it must stay in quarantine until day 120. **Here's the best case scenario:**

- ~70 pages per pet (just for pet owner)
 - ~\$400 of expenses for tests and fees
 - ~Four months of preparations (with no delays)
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#WarOnTerrier

In fact, the rabies virus was brought to Taiwan in 2013 for the first time in half a century. All it took was three dead ferrets.

You may recall the 2015 dog smuggling story involving Johnny Depp's two terriers visiting Australia without the paperwork.

How Can Petri Nets Help?

- What's a petri net?
 - Vet chain
 - Pet chain
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Solving The Problem

- Zoo gets rid of 3 (or more) copies of everything--less paper, less stress, better odds of protecting unique ecosystems
 - Strong incentives for forgery with paperwork passing through many hands and long waiting periods for anxious travelers
 - Domestic only--we're not even getting into international travel with pets!
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Zooming Out

Audit trail (the medical history of animals and more)

Provenance (the lineage of particular animals)

LiveRI: livestock applications (like, say, foodborne illness)

Public health: USDA, CDC, WHO, FAO, IOE, universities, commercial partners, NGOs (related to pandemics)

The Veterinary Pain Points

- Hassle of keeping up with paperwork for pet owners
 - Burden of communicating with other vets and pet owners
 - Any mistakes or problems that come up along the way with lab results , typos in forms, missed deadlines
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