

ENDSPE project description

Github repo : <https://github.com/ddonatien/endspe>

Project full name

Visualization of endangered species status

Members

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Description

Our project aims at gathering data about endangered species to visualize areas that are more concerned and eventually deduce some causes related to extinction phenomena.

Our objective for this project is to predict the distribution of at-risk species based on the available data of locations, species richness and relative rarity enable to visualise and highlight the locations that are essentially irreplaceable in terms of biodiversity combined with historical events to reduce the possible factors. We might use some genetics properties for our visualization, for we don't want to rely only on geographic data.

Data available

- **Nature Serve's** datasets are about biodiversity in North America
- **Endangered Species Act** of US DATA.GOV, gathering various datasets about our topic.
- European "**Red List**"

Questions we aim at answering

- Is there a correlation between species genetics and imperilment ?
- Are there some kind of species that are more imperiled than others ?

Data visualization examples

**NatureServe Rarity-Weighted Richness Model of
Critically Imperiled and Imperiled Species in the United States**

