

Life on Land

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Background

How would we effectively monitor the environmental damage in Ukraine driven from the Russia-Ukraine War?

Target Users

- Resource managers
- Environmental specialist
- Policy makers
- Researchers
- Politicians
- Journalists





Design Thinking Process



The war

- Military bases
- Heavy machinery
- Construction
- Debris



Destroying forests and conservation areas

- 900 areas of natures reserves
 (12,406.6 sq m) ~ ¹⁄₃ of Ukrainian protected areas
- 2.9 million hectares endangered conservational reason







Environmental damage

- Forest wildfire
- Soil pollution
- Water pollution
- Threaten Birds flyways route

Solution



Providing a place of integrated-data and maps about environmental damage in Ukraine with utilizing remote sensing techniques

Benefits of Remote Sensing

- Acquire information without making physical contact with the place
- Develop Geographic Information System (GIS)
- Help us capture, store, manipulate, analyze, manage and present all types of spatial data
- Important for future researchers especially to plan resources and environment better

Product Overview



We focus on delivering real-time information regarding environmental damage that is currently happening in Ukraine due to the Russia-Ukraine war. All features are created to ensure that the data is accessible for everyone and can be used with ease.



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Product Overview

	Data	Q Q UN	OSD 🗸
win wénu 11 Dashboard	User XYZ		
G Saved	Exploration and Prediction	of Wildfires in Ukraine 2022	
Workspace	Introduction The Inspiration section of the Overview for this dataset, as	ks:	
Community	"Given the size, location and date, can you predict the cau	se of a wildfire?"	
Q Search	use Machine Learning to predict the cause of a fire? This is	e as well as numerous features on size, date, and location. Cou an interesting question that I would like to answer. Although j an acceptable level of precision, such an algorithm might even	just an
General	useful to investigators working in the field.		
 Settings 	Libraries		
Page Help?	<pre>library(RSQLite) library(dbplyr) library(tidyverse) library(caret) library(rpart.plot) library(knitr) library(kableExtra)</pre>		

Getting the Data

Product Overview



Significance of the product



Provides detailed blueprint
It helps organizations to track, analyze and report on relevant information

•Monitoring the damage helps us to prevent & mitigate the damage from the war afterward

Thank You

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