

## Domain

The forests of the world are under pressure, while they are vital for biodiversity and climate stability. They are in need of restoration.



## Problem

It is often misunderstood that disappeared forests can just be regrown. Most people think of reforestation projects as one-dimensional, simply consisting of planting trees. In reality, a reforestation project takes into account a wide variety of factors.



## Solution

Benni's Forest is a management game in the intersection of the 'Education' and 'Entertainment' domain.

Benni's Forest gives the player a simplified, yet challenging, experience of managing a rain reforestation project.

The main goal of the game is to inform players about reforestation and reforestation projects while playing an entertaining game that keeps the attention of the player during the span of a playthrough.

## Game loop

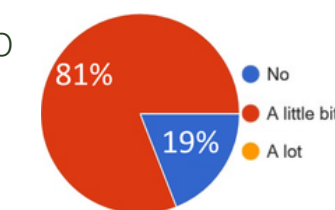
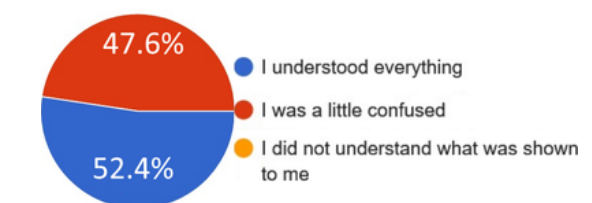
The player tries to restore the forest by fertilizing ground, planting trees, or digging fire ditches. Meanwhile, wildfires, illegal logging, and invasive pogo grass threaten your progress. This gives the player a vivid experience of the complexity of the project. As you progress, several scores indicate the quality of your performance, most notably a biodiversity score, representing the amount and variety of trees in the forest. In this way, players receive clear hints to strategize and face each situation with the appropriate measures to grow a biodiverse forest.



## Results / Verification

We asked 21 players to play our game and fill in a survey to assess:

- Whether they understood the complexity of reforestation
- Learned anything new about reforestation
- Would be more likely to get involved in reforestation projects



Players expressed an increased knowledge and a greater understanding of the complexity of reforestation after trying it for themselves in their game.

## Events



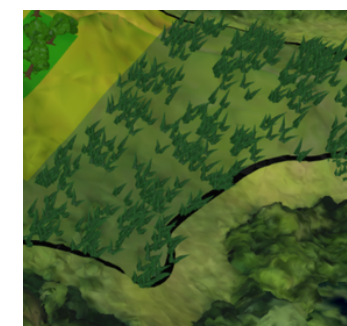
Forest fire



Illegal logging



Low fertility



Invasive grass

## Play Now!



<https://bennisforest.gitlab.io/bennisforest/>  
<https://www.youtube.com/watch?v=wfcCT8sF7hQ>

## Conclusion

There is a correlation between playing our game and improving the knowledge and engagement to rain reforestation projects