

DARKNESS AREAS IN THE NETHERLANDS

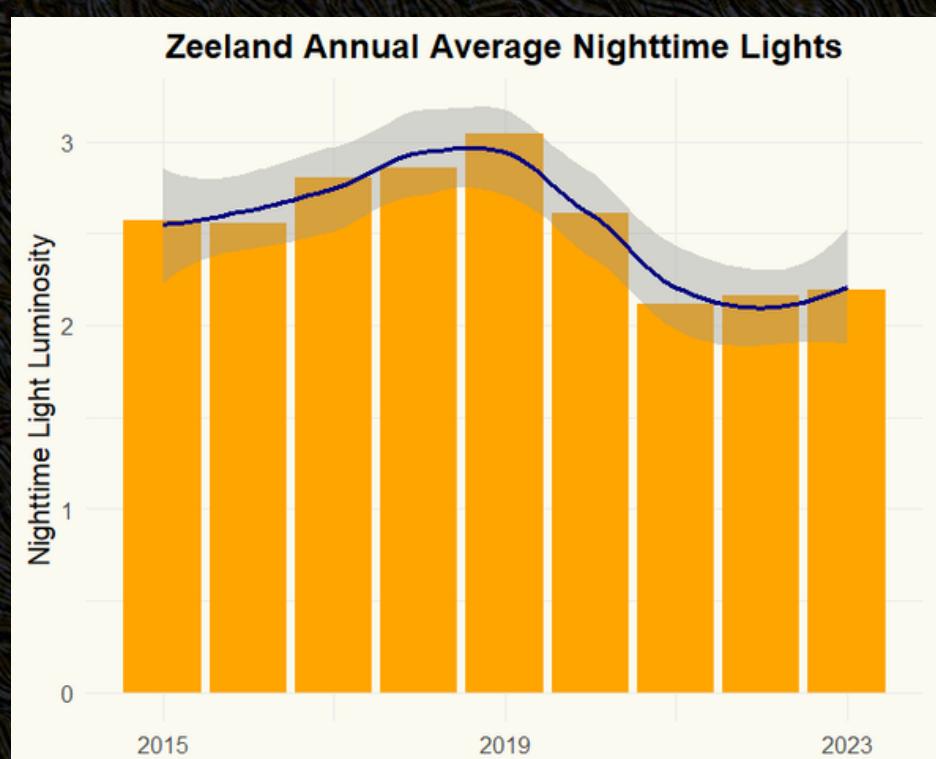
To what extent have protected “duisternisgebieden” (darkness areas) impacted light pollution in Zeeland?

Light pollution has significant ecological effects on humans and the environment. Understanding the effect of laws implemented to counter light pollution can further help understand these issues.

2015
Data start

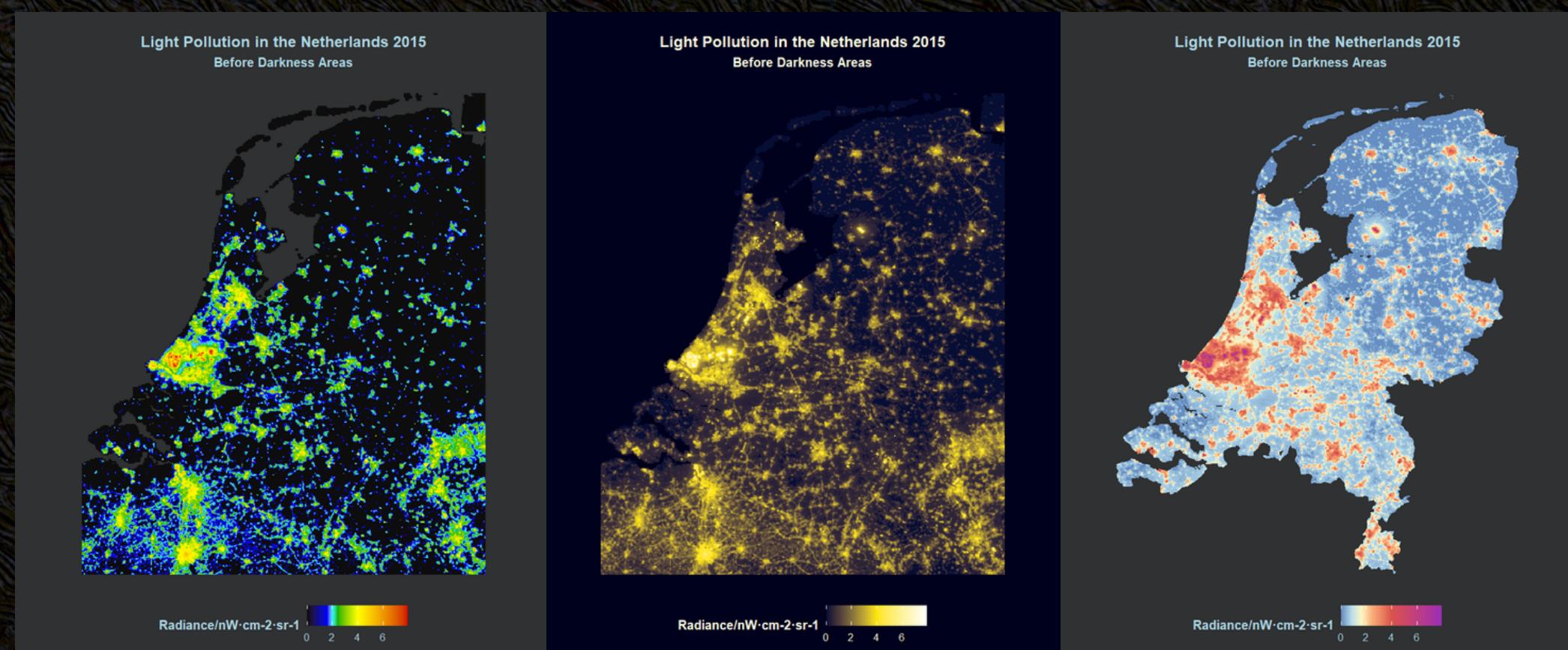
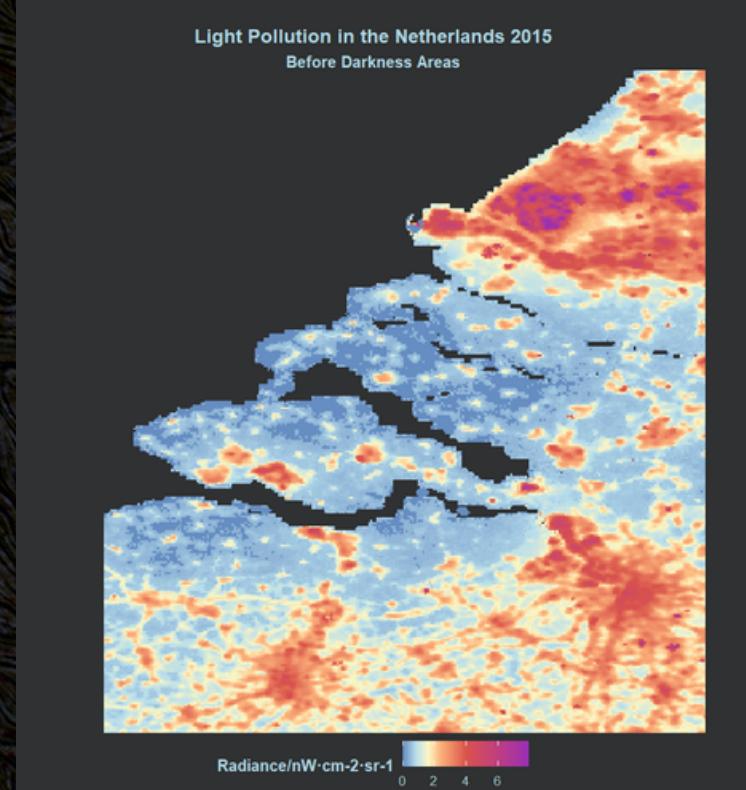
2019
Protected darkness areas implemted

2023
Data End



Progress:

1. Found many possible sources; NASA VIIRS data
2. Created functions and tools
3. Visible results



Challenges:

1. Big learning curve
2. Understanding how VIIRS luminosity data should be represented

Future:

1. Further focus on Zeeland
2. More informative graphs/maps
3. Usable for future years
4. Usable for further research