The background of the slide features a photograph of a dense forest of tall evergreen trees, likely larches, covering a hillside. The trees are arranged in a repeating pattern of vertical trunks and horizontal branches, creating a textured, layered effect across the frame.

Applied Geodata Science I - Session 1

# Introduction

Prof. Dr. Benjamin Stocker  
Spring semester 2023

# Welcome!





Prof. Benjamin Stocker  
Group leader



Dr. Koen Hufkens  
Senior Scientist



Pepa Arán  
Data Scientist



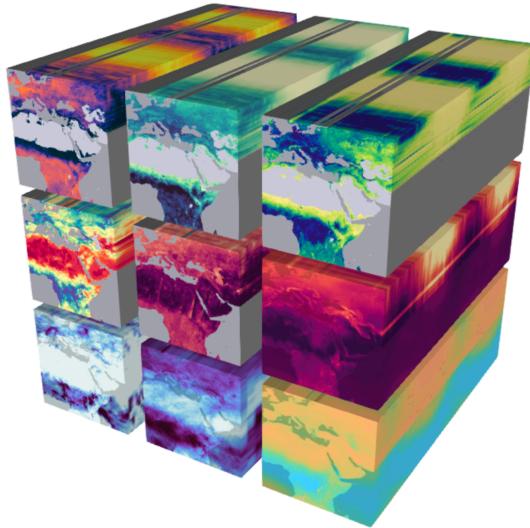
Pascal Schneider  
PhD Student



Geocomputation and Earth Observation

# Why now?





Raw data

Insights about Earth



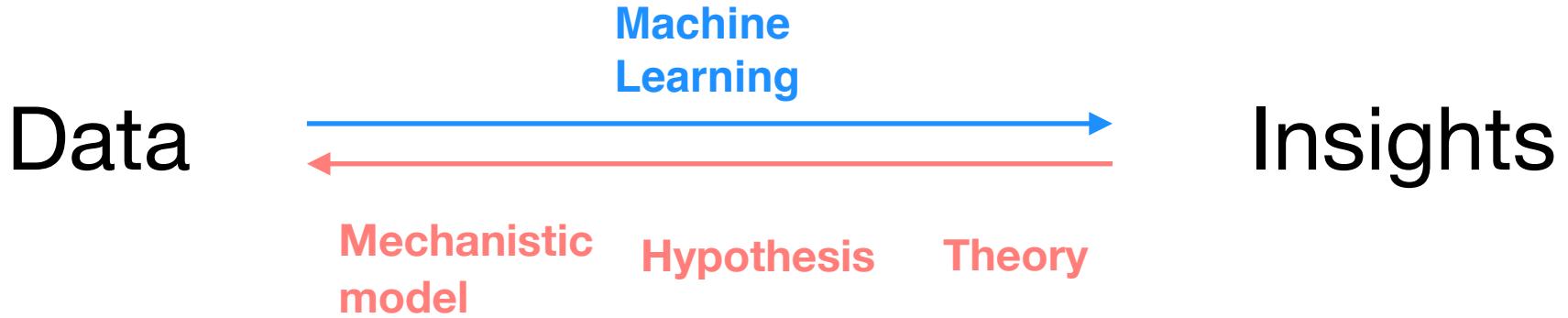
# **Machine Learning**

Raw data

Insights about Earth



# A new modelling paradigm



# Open Science is the new norm.



Latest updates

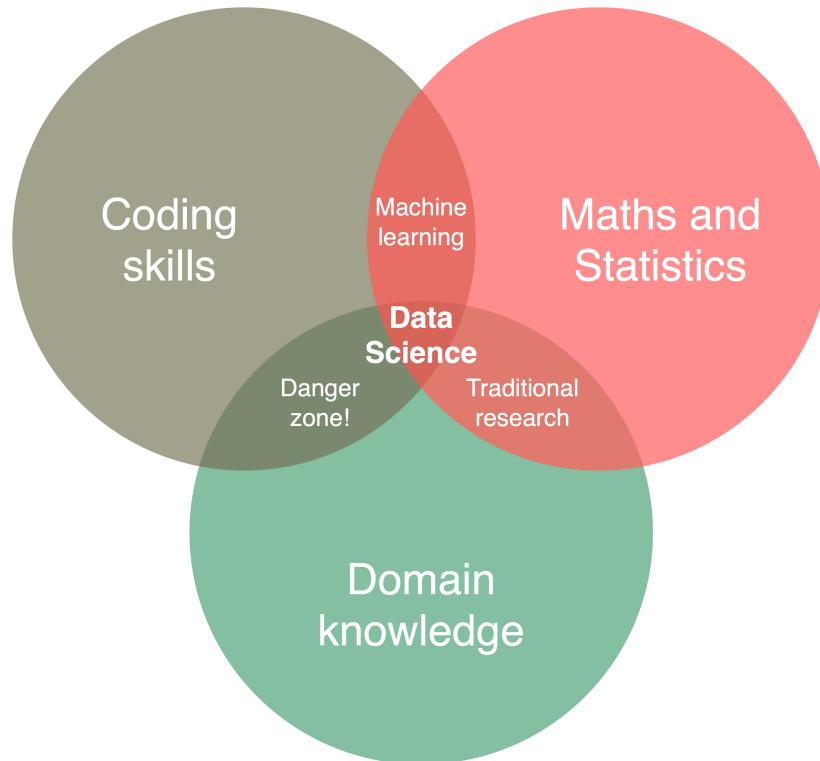
NEWS

## UNESCO Science Commission adopts Open Science Recommendation

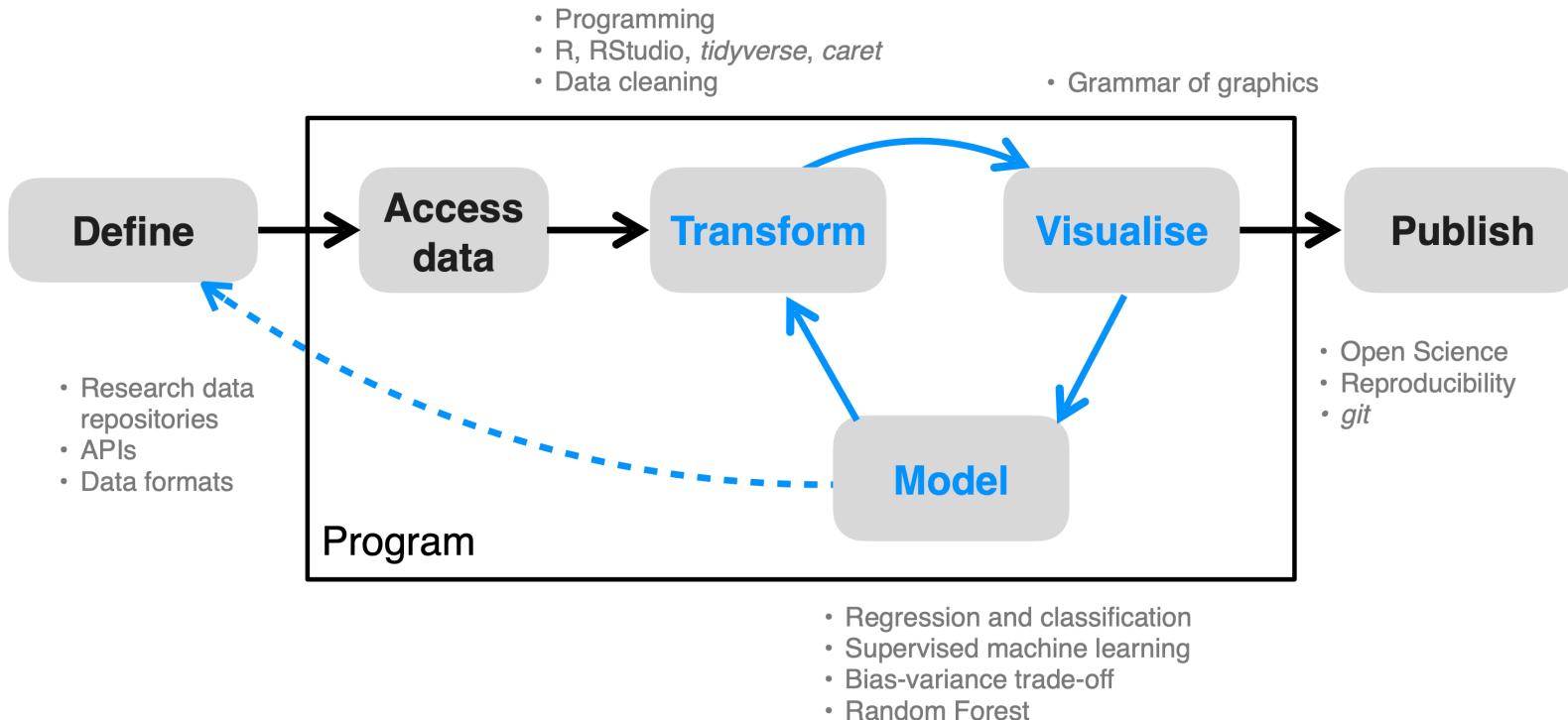
The UNESCO recommendation on Open Science has been unanimously adopted in its entirety by Member States during the Science Commission plenary.



# What is Data Science?



# The data science workflow



# Course goal

**To tell a story with (environmental  
and geo-) data.**