



# Earth observations as enablers of 4IR

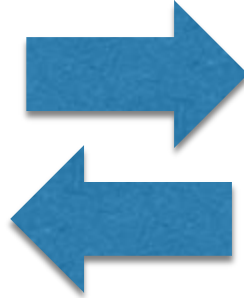
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# The zero download model



Empowered users

Software



Results

Space agencies



open data



Cloud platforms

# Machine Learning

Data

Algorithms

Models

Predictions



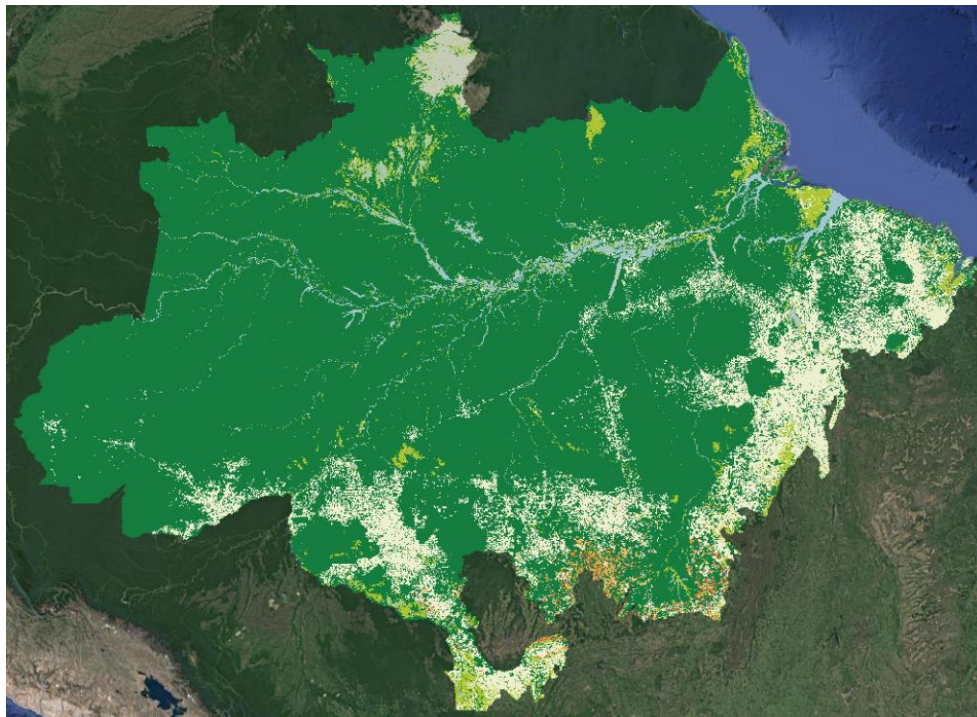
Ingredients

Appliances

Recipes

Dishes

# Solving the wrong problem?

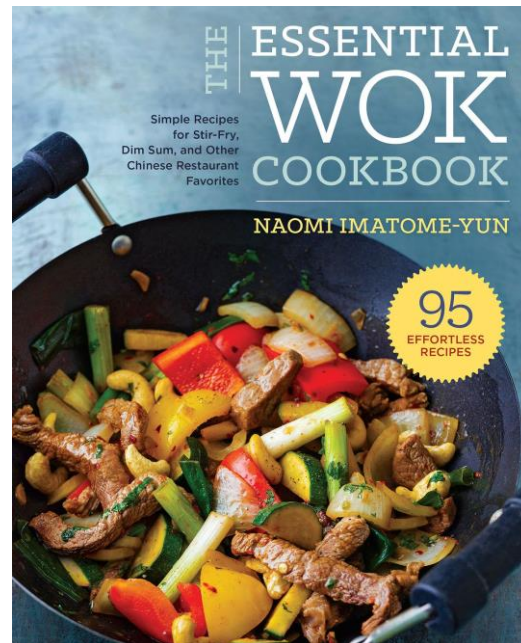
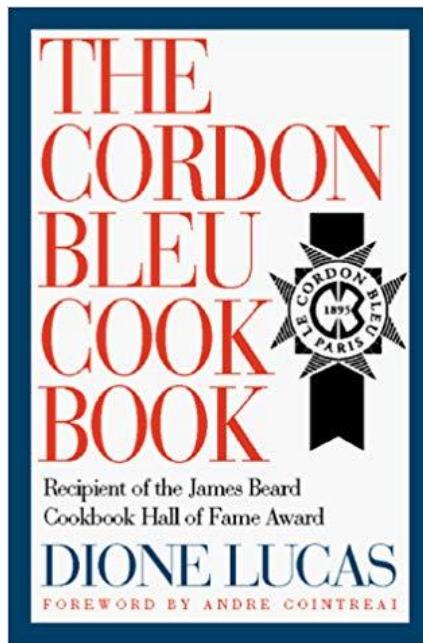
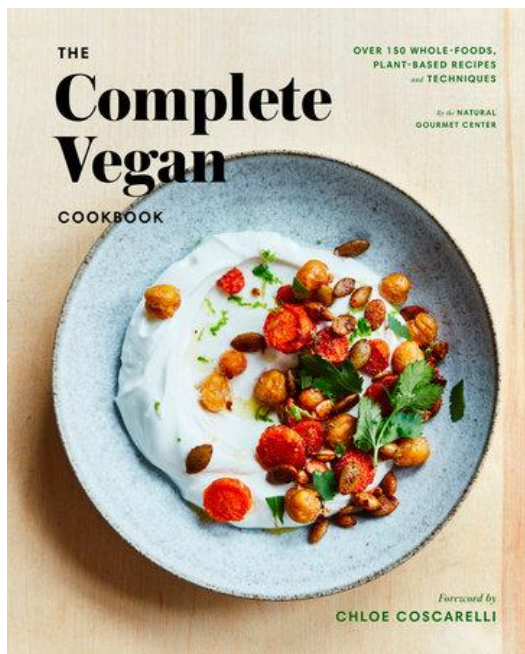


MODIS data cube: 33,000 samples

Model	5-fold validation accuracy
SVM	97.6%
Random Forest	98.5%
Perceptron	99.2%
FCNN	98.9%
tempCNN	99.1 %
ResNet	99.0%

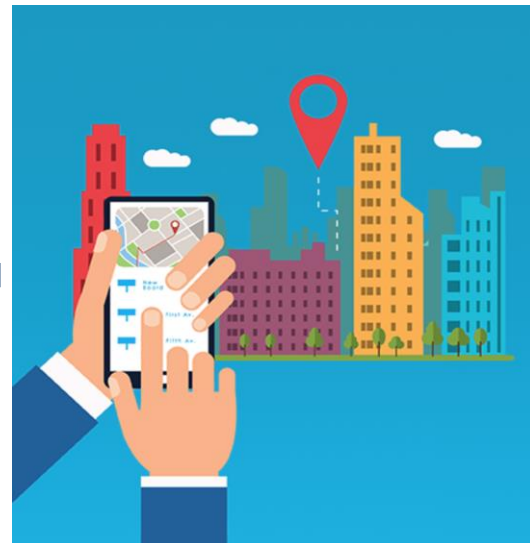


# Why does GEO need a knowledge hub?



Building a global community,  
sharing methods and results, **avoiding lock-in**

# Embracing the MAGI, reducing risks



Public good provision

Business