

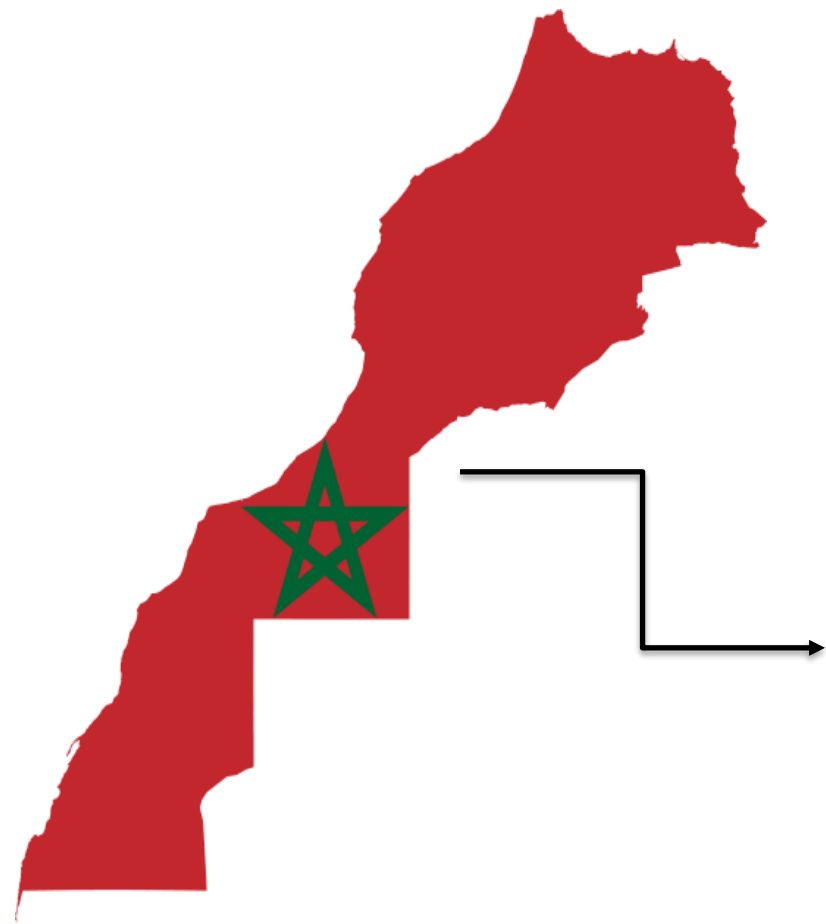


# IRRIGO

Chaque goutte pour un avenir durable



# Problem :



**87% of the  
nation's water  
consumption**

## Anomalies des précipitations dans le Souss, en millimètres

SOURCE : TUTIEMPO

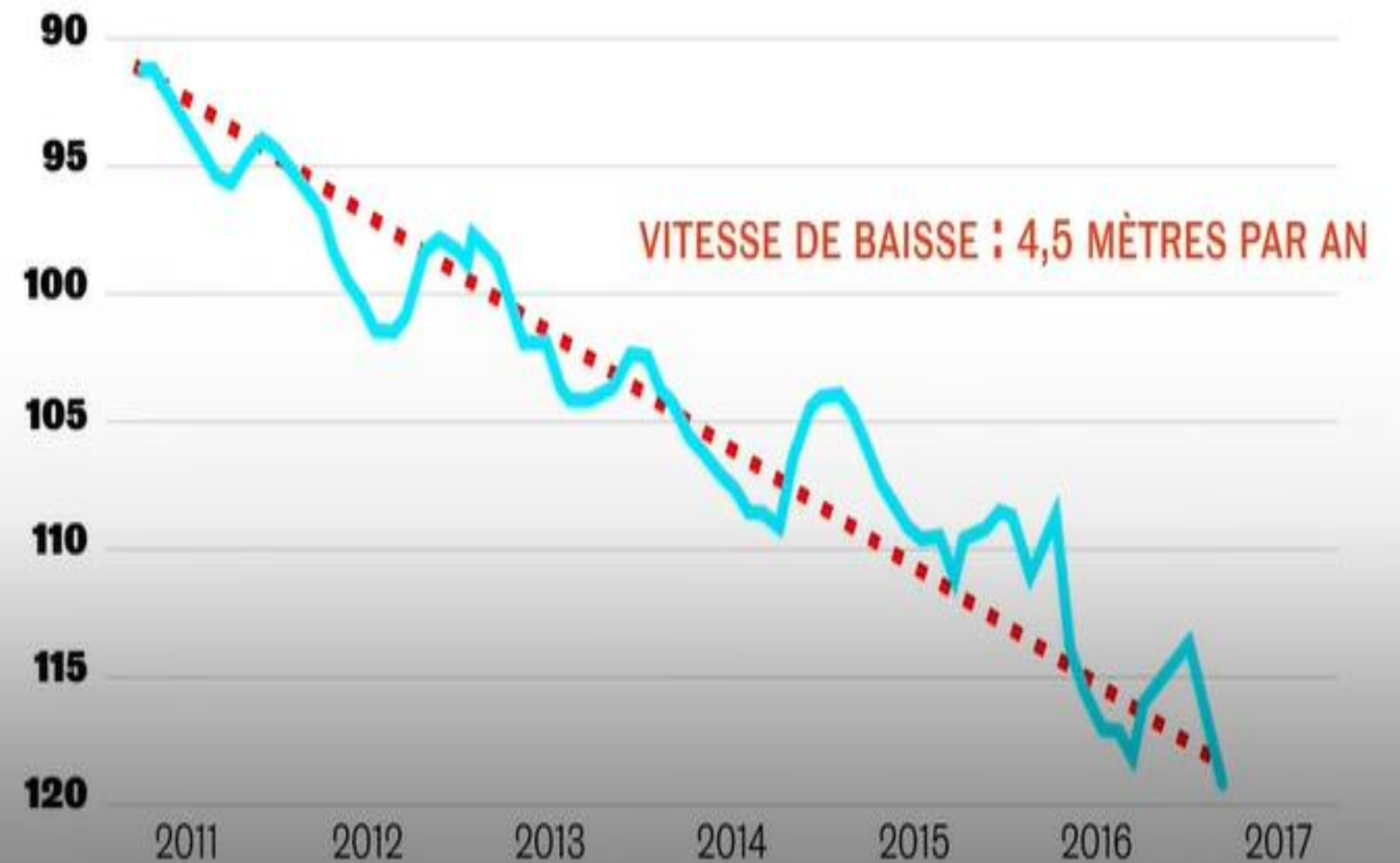


# Problem :



## Baisse du niveau de la nappe de Chtouka, en mètres

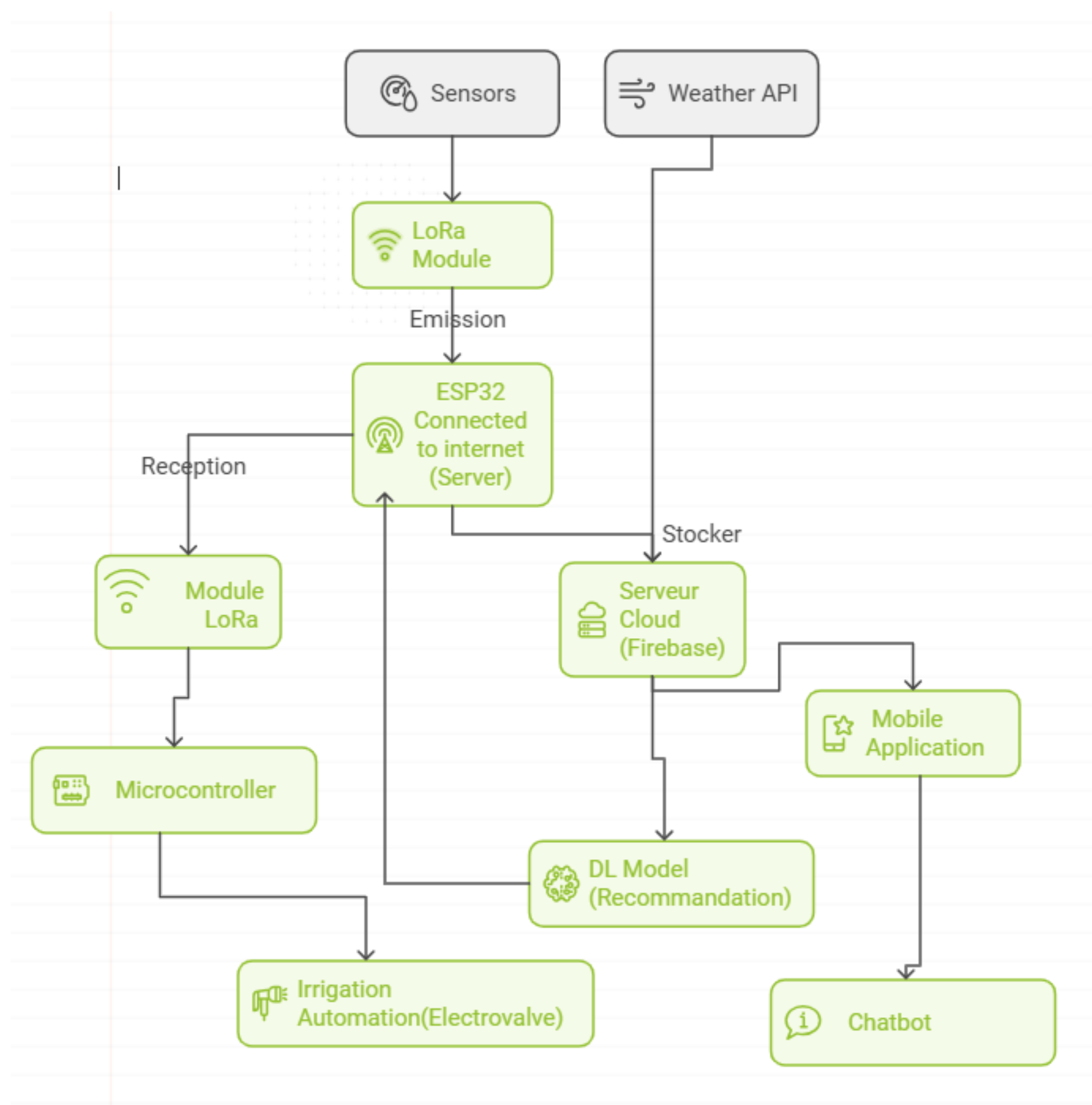
SOURCE : AGENCE DU BASSIN HYDRAULIQUE SOUSS-MASSA



# Our solution :

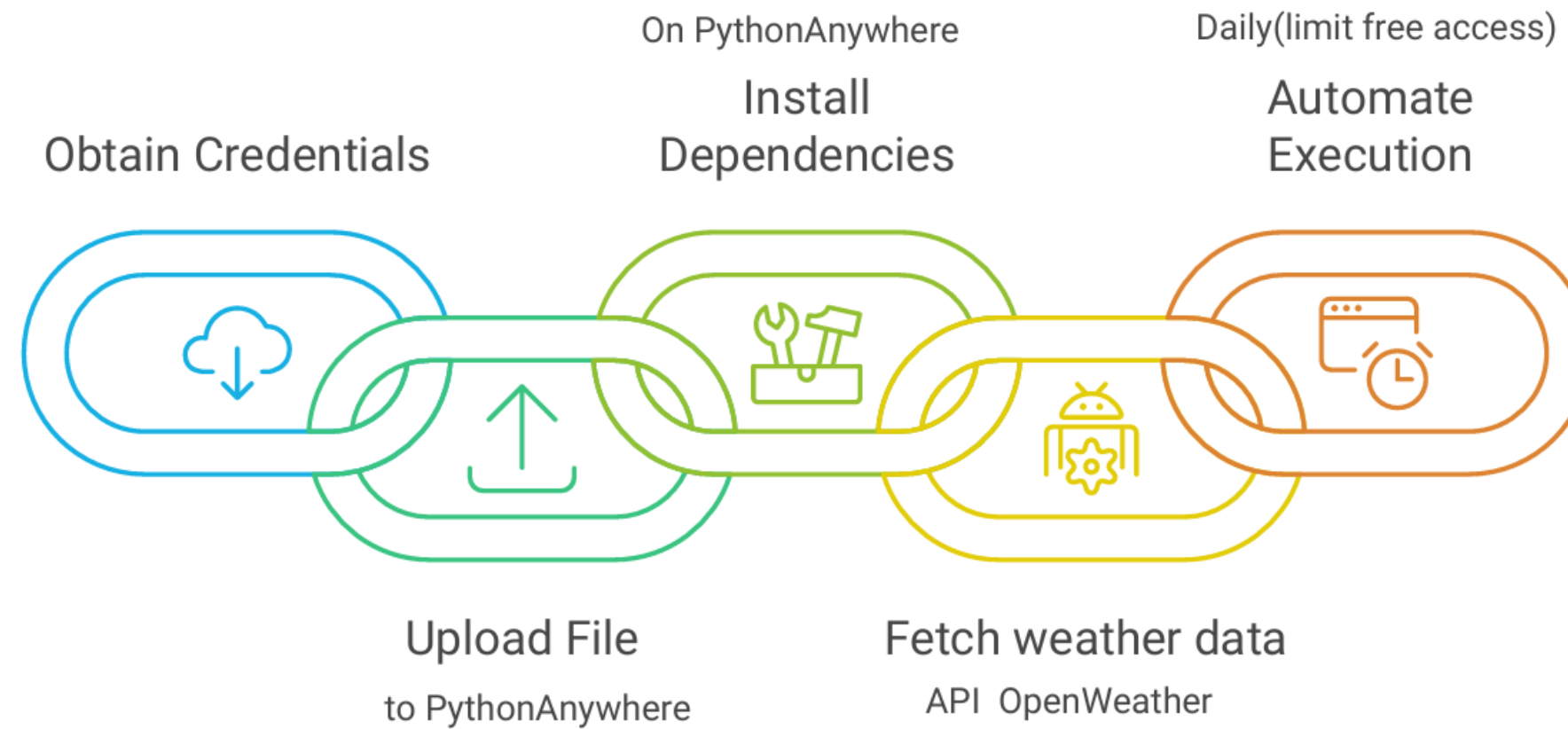


# The work flow:



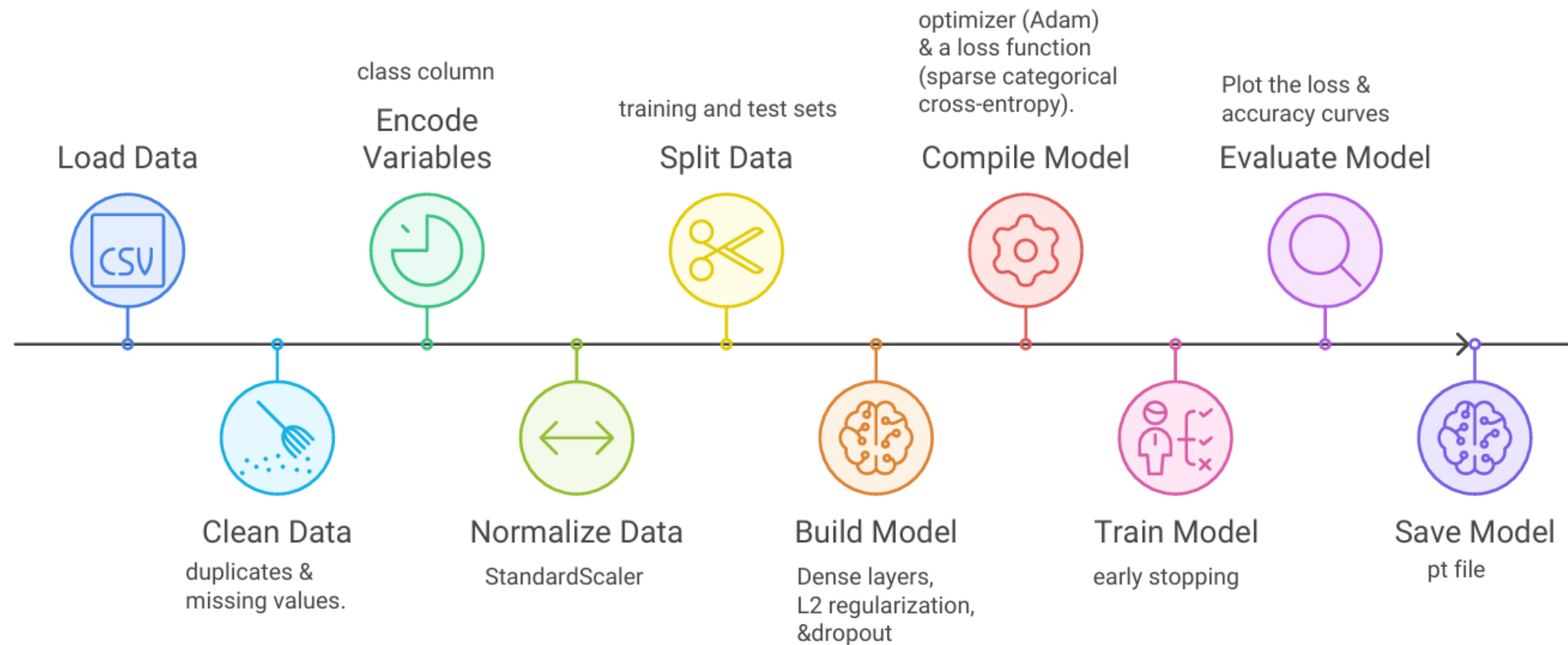
# The work flow:

## Automating Firebase Integration for Weather Data on PythonAnywhere



# The work flow:

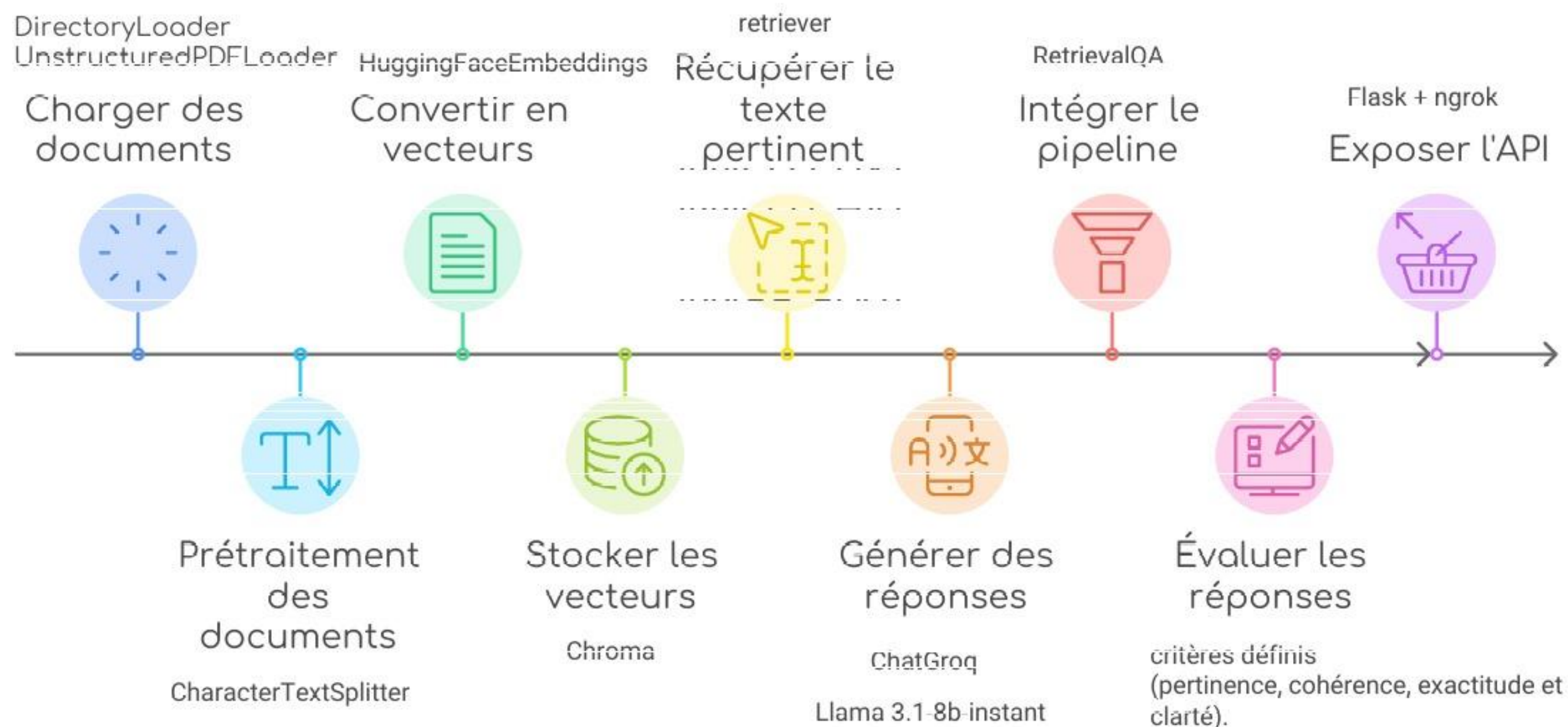
## IRRIGOClassifier





# The work flow:

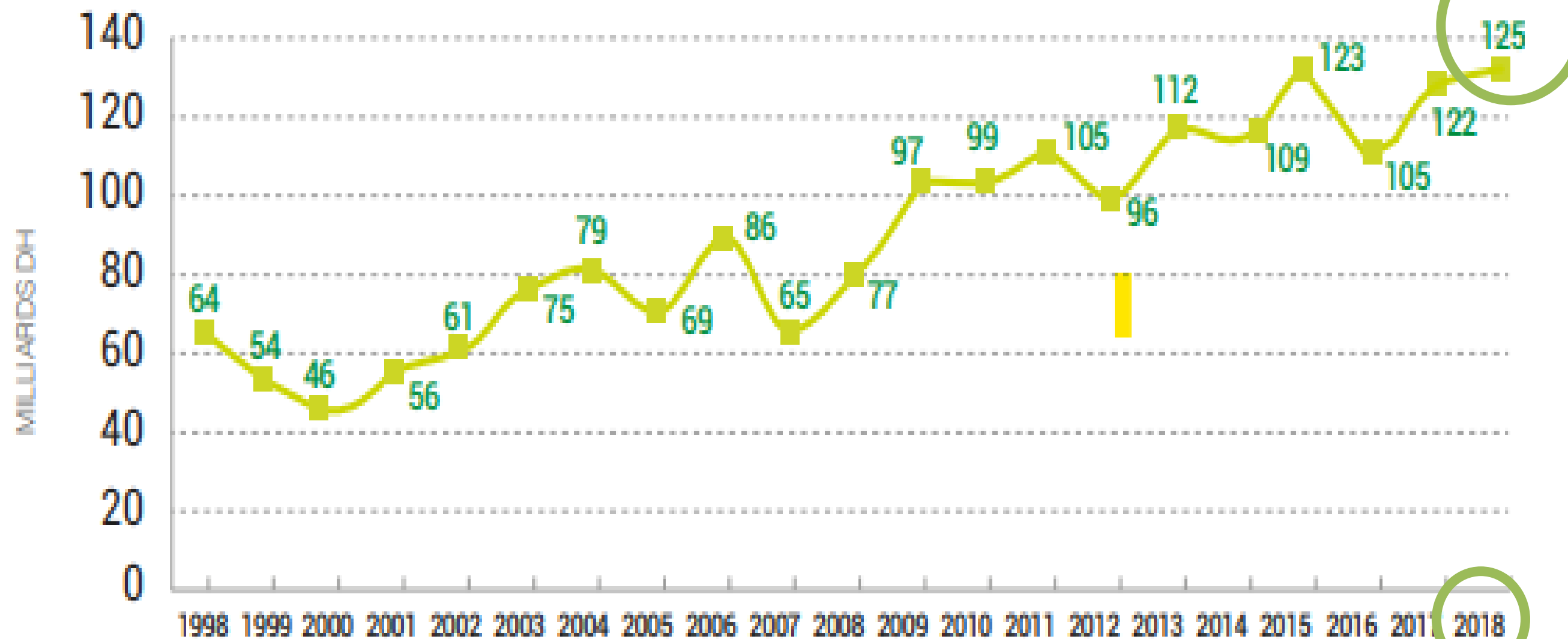
## IRRIGO CHAT





# Market size :

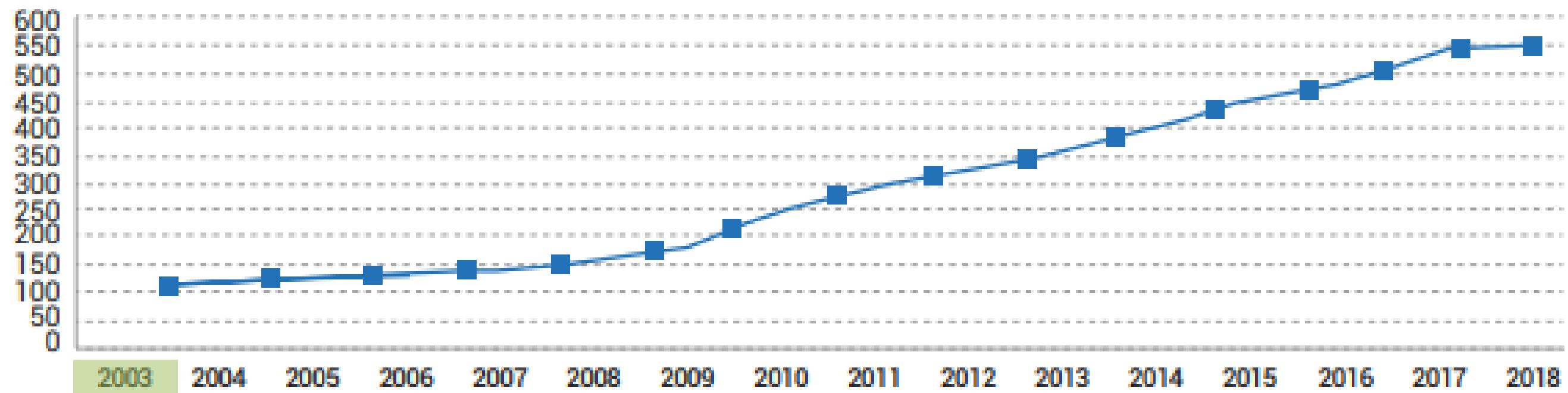
Produit intérieur brut de la branche agricole



Source : HCP

# Targeted market :

Superficie irriguée en goutte à goutte (Kha)



Source : MAPMDREF



# Income strategies :



Sell hardware kits : sensors, controllers, and accessories to farmers.

Charge annual subscription fees for Premium access to :

- A Cloud data storage for monitoring and analytics.
- AI-driven irrigation recommendations.
- Advanced features like weather forecasting integration and crop health monitoring.

Offer annual maintenance contracts for system calibration, hardware servicing, and software updates.

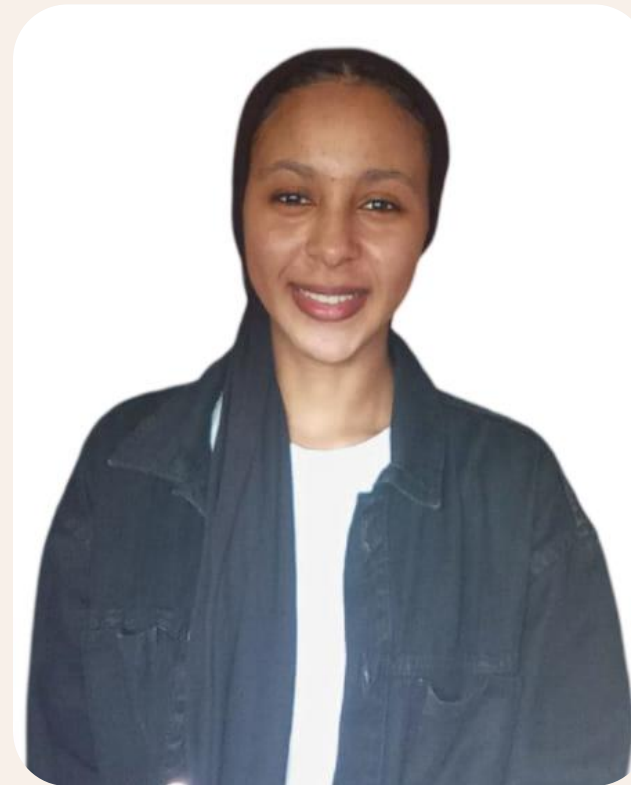
# Our vision :



- **Adding plant disease detection through image-based analysis**
- **Adding support for Moroccan Darija to make it more intuitive for Moroccan farmers, along with voice integration**

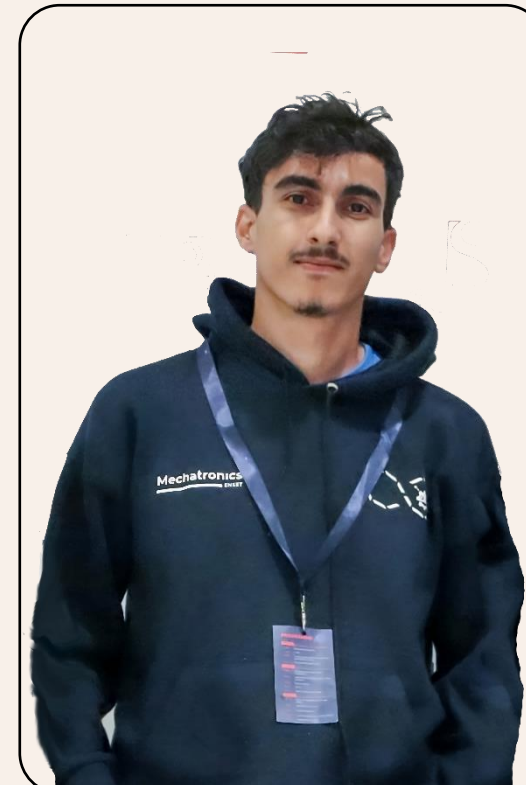


# Who We Are ?



**BAALI Fatima**

Knowledge engineering  
And data science student



**ID LMAALEM  
Ahmed**

2nd year students  
ingénierie informatique Big  
Data & Cloud Computing



**EDDAYYANY  
Yasmine**

Final year student  
Electronics and  
Embedded systems



**DIOUANE Hicham**

2nd year students  
ingénierie informatique Big  
Data & Cloud Computing





**Thank You!**