



AgroApps

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AgroApps was founded on 2015 in Thessaloniki, Greece to provide sustainable solutions for the agricultural and related sectors.







Climate Services

Fintech Services

delivering solutions to Businesses, Farmers & Farmers Assoc. and Public/ Government org.



(Climate Data Store - Live



EU/EFTA (Running or queued)



Datasets Top 8 (Running or queued)

- 1. ERA5 hourly data on pressure levels from 1979 to present
- ERA5 hourly data on single levels from 1979 to present
- ERA5 complete
- ERA5-Land hourly data from 1981 to present
- Arctic regional reanalysis on pressure levels from 1998 to 2019
- 6. Seasonal forecast daily and subdaily data on single levels
- 7. ERA5.1 complete global atmospheric reanalysis from 1979 to present
- 8. Arctic regional reanalysis on single levels from 1998 to 2019

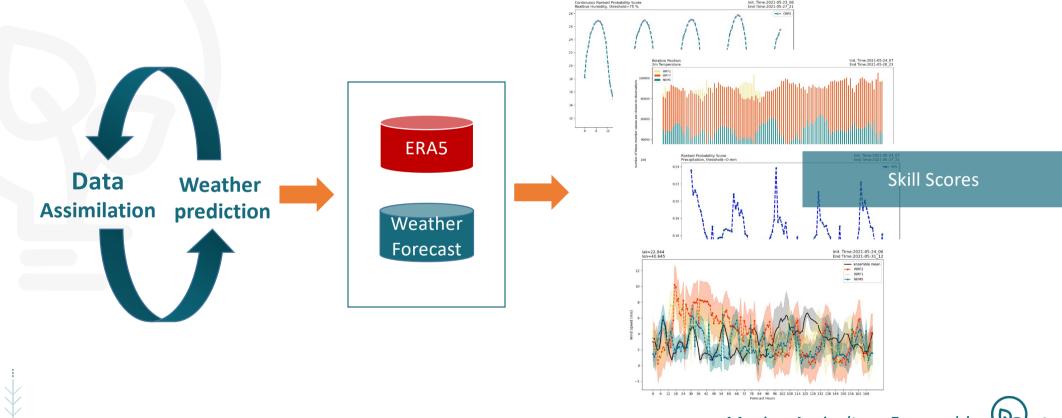
From the top 8 most popular data sets, AgroApps is utilizing the ERA5, ERA5-LAND and Seasonal forecast data with the purpose of:

- ✓ Verifying the operational data assimilation and forecasting system.
- ✓ Monitoring an operational medium range multimodel forecasting system
- Provide a multimodel seasonal forecast product, by applying Bayesian Model Averaging (BMA) methodology.

Short and Medium Range Weather Forecasts



Our operationally coupled system of data assimilation and regional numerical weather prediction (medium range) is verified against ERA5 data set and skill scores are operationally being produced.



S2S Climate Forecasts





ECMWF

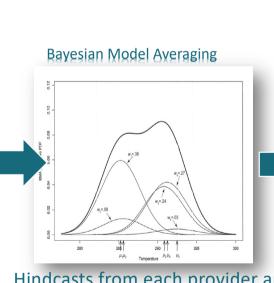
NCEP

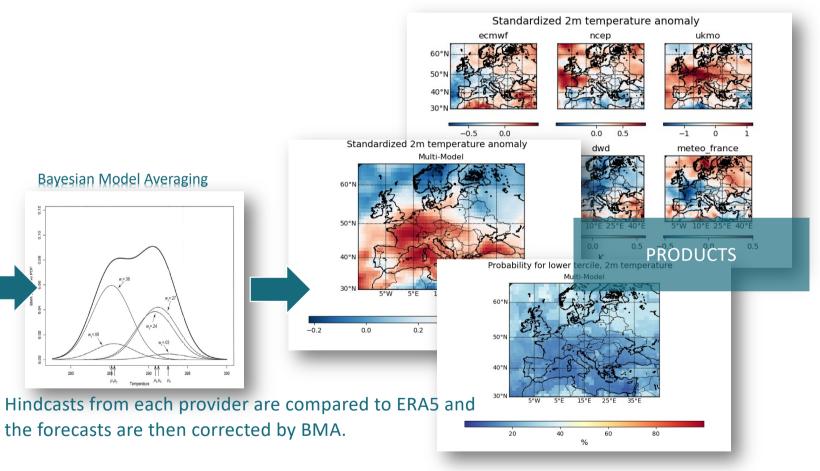
METEO FRANCE

MET OFFICE

DWD

CMCC







Our client's main point....





...and they are asking from us....





...to predict the future!!!









CLIMACASTING A Climate Engine for risk mitigation and Forecasting intelligence

Leveraging on top of C3S data, AI-backed algorithms and crop growth models to generate all the needed information to predict the agricultural risk.

Customers: Agricultural Insurance Industry; Banks & Microfinance institutions; AgriFood industry;

- S2S climate forecasts can help estimate farm crop yields in the current planting season.
- Seasonal and decadal climate forecasts and crop growth models are used to simulate future scenarios and estimate the farms productivity.
- Scenarios of future income, profit or loss are calculated (min, max, median)

- Agricultural Production/Credit Risk assessment;
- Optimization of Loan disbursement process;
- Crop detection and verification against farmers claim;
- © Crop acreage verification;
- Yield estimation;
- Historical insights on sown crop and farm productivity;
- Estimated time of harvest for timely loan collection or renegotiation;

ClimaCasting was the 1st C3S Use Case that get funded under C3S 428c AgroApps contract





How it is working...

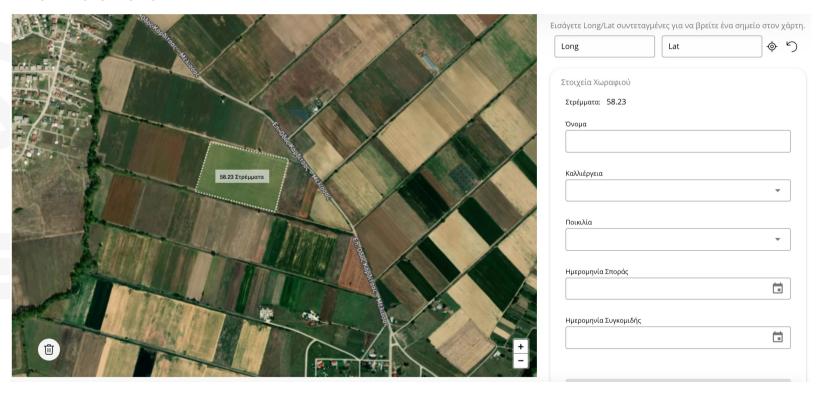




Step 1: Locate and Insert your fields



Προσθήκη Χωραφιού



Step 2: Insert your cultivation plan



Αγροτεμάχιο: Καρδ	δίτσα 1.	Αγροτεμάχιο: Καρδίτσα 2.			
λ ναμενόμενο έσοδο	2021	Αναμενόμενο έσοδο 2021			
Καλλιέργεια	Έσοδα από πώληση (€)	Καλλιέργεια	Έσοδα από πώληση (€)		
Σιτάρι	3500	Βαμβάκι			
		Μελλοντικό Πλάνο Καλλιεργειών			
Λελλοντικό Πλάνο Κ	(αλλιεργειών	Μελλοντικό Πλάνο Μ	(αλλιεργειών		
Λελλοντικό Πλάνο Κ Καλλιέργεια	(αλλιεργειών Έτος Συγκομιδής	Μελλοντικό Πλάνο Μ Καλλιέργεια	Έτος Συγκομιδ ής		
		_			
Καλλιέργεια	Έτος Συγκομιδής	Καλλιέργεια	Έτος Συγκομιδής		



Step 3: Insert your cultivation practices



Καλλιέργεια	Έσοδα από πώληση (€)	Επιδότηση € ανά στρέμμα			
Σιτάρι			Αρδευόμενο	0	Μη Αρδευόμενο(
Μελλοντικό Πλάνο Κ	(αλλιεργειών				
Καλλιέργεια	Έτος Συγκομιδής	Επιδότηση € ανά στρέμμα			
Καλαμπόκι	2022		Αρδευόμενο		Μη Αρδευόμενο(
Σιτάρι	2023		Αρδευόμενο	0	Μη Αρδευόμενο
Αγρανάπαυση	2024		Αρδευόμενο	0	Μη Αρδευόμενο

Step 4: Calculate your future revenues





Αγροτεμάχιο	Καλλιέργεια	Απόδο Max		/στρέμμα Average	Ακαθ. Πρόσοδος €	Κέρδος €	Ελάχ. Κέρδος €
Καρδίτσα 1	Σιτάρι	356	320	340	3500	600	350
Καρδίτσα 2	Βαμβάκι	590	496	520	28.000-35.000	8.000-9.800	4200



Which are ClimaCasting's future steps...







