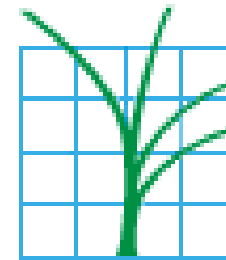


# Interface between farm management information system and CTIFL models

ACTA

Informatique

Ctifl



Centre technique  
interprofessionnel  
des fruits et légumes

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# Inoki

- Platform of DSS for protection for fruit and vegetable productions
  - Producers and advisors
  - Access to Celsius: CTIFL database for weather data
  - Archiving all DSS results

# Meteo data / platform / models

- **Celsius**
  - 83 millions of information (40 000 data validated per day)
  - 140 active weather stations (total: 200)
  - 60 different owners
  - 7 manufacturers of different types of weather stations
- **Inoki**
  - 14 online DSS
  - 180 users
  - 1600 fields
- **CTIFL models**
  - Collaboration with 20 organisations
  - 24 models under study
  - 3 prototypes
  - 7 models in phase 1 test
  - 5 models in phase 2 test
  - 4 DSS validated (1 model + 3 cold needs computation))

# Prerequisites

- Creation of farms and fields (identification of farms by their national SIRET number)
- One DAPLOS record = on file = on field (extracted from the FMIS)

The screenshot shows the 'inoki' web application interface. The header includes the logo and the text 'Outils en protection des cultures' and 'pêche - thrips californien du pêcheur'. The navigation menu has tabs for 'Accueil', 'Parcellaire', 'Météo', 'Résultats', 'Administration', 'Aide', and 'Déconnexion'. The 'Parcellaire' tab is active. On the left, there is a tree view showing a folder 'Ctif Carquefou' with three sub-items. The main content area displays 'parcelle Ctif Carquefou' and 'créé le 06/10/2010'. Below this, there are form fields for 'Nom \*' (filled with 'Ctif Carquefou'), 'Espèce \*' (dropdown menu with 'Pêche'), 'Station météorologique' (dropdown menu with 'Carquefou PULSIA4'), 'Superficie (ha)', and 'Coordonnées géographiques (lat.;lon.)'. A 'Valider' button is at the bottom right, and an 'Archiver' button is at the bottom left. The footer contains the copyright notice '©CTIFL - Centre Technique Interprofessionnel des Fruits et Légumes' and a small logo.

# How it works?

- **Running the system**

- Send to [inoki\\_gieea@ctifl.fr](mailto:inoki_gieea@ctifl.fr) the above DAPLOS file (Subject: GIEEA)
- Identification of farms: SIRET
- Identification of fields by their names
- Results of DSS are sent back by mail to the address of the request sender

- **Controls**

- mail subject
- SIRET and name of field
- no control of planting date
- crop (to address the corresponding risk calculation model)

# Processing

- Results
  - risk index
  - number of days before the next risk period arises
  - weather data used



The screenshot shows the 'inoki' software interface with a navigation menu and a table of results. The table columns are: Exploitation, Ilot, Parcelle, Paramètre, Météo, nb jours avant prochaine émergence, Niveau Risque, and Dernier calcul. The 'Niveau Risque' column uses color coding: yellow for level 1, orange for level 2, and red for level 3.

Exploitation	Ilot	Parcelle	Paramètre	Météo	nb jours avant prochaine émergence	Niveau Risque	Dernier calcul		
CDDM	modèle Thrips	Carquefou	OK	OK	> 10	1	25/10/10 à 13h32	Actualiser	Détail
CDDM	modèle Thrips	La Planche	OK	KO	2	2	15/08/10 à 04h16	Actualiser	Détail
Ctif Carquefou	Rouille 2010 P8	I-Antiope	KO	-				Actualiser	
Ctif Carquefou	Rouille 2010 P8	I-Vitaton	KO	-				Actualiser	
Ctif Carquefou	Rouille 2010 P8	S-Cousteau	KO	-				Actualiser	
Ctif Carquefou	Rouille 2010 P8	S-Harston	KO	-				Actualiser	
Ctif Carquefou	Rouille 2010 P8	T-Kenton	KO	-				Actualiser	
Ctif Carquefou	Rouille 2010 P8	T-Matejko	KO	-				Actualiser	
Ctif Lanx.	I. Lanx. Poireau	p. Lanx. Poireau	KO	-				Actualiser	
Ctif Paris	I. Bal	p. Bal	OK	OK	> 10	1	25/10/10 à 13h32	Actualiser	Détail
Ctif Paris	I. Barfleur	p. Barfleur	OK	OK	> 10	3	25/10/10 à 13h32	Actualiser	Détail
SELT	Station	P06-2010	KO	-				Actualiser	
SELT	Station	P12-2009	KO	-				Actualiser	
SILEBAN	ACL_2010	BARFLEUR_2010	OK	OK	6	3	25/10/10 à 13h33	Actualiser	Détail
SILEBAN	ACL_2010	BEAUVOIR_2010	OK	OK	> 10	3	25/10/10 à 13h33	Actualiser	Détail
SILEBAN	ACL_2010	BRETEVILLE_2010	OK	OK	> 10	3	25/10/10 à 13h33	Actualiser	Détail
SILEBAN	ACL_2010	CAVES_CREANCES_2010	OK	OK	> 10	3	25/10/10 à 13h33	Actualiser	Détail
SILEBAN	ACL_2010	CREANCES_2010	OK	OK	> 10	3	25/10/10 à 13h33	Actualiser	Détail

# Remarks

- Till now, no observation necessary
- When necessary, use of the AgroOBS message