



Aliwen

Prenons la solution
à la racine



Aliwen Tree science consulting

Aliwen sa
Avenue Georges Lemaître 54
6041 Gosselies (Belgique)
<murielle.eyletters@aliwen.com>

Activities and services



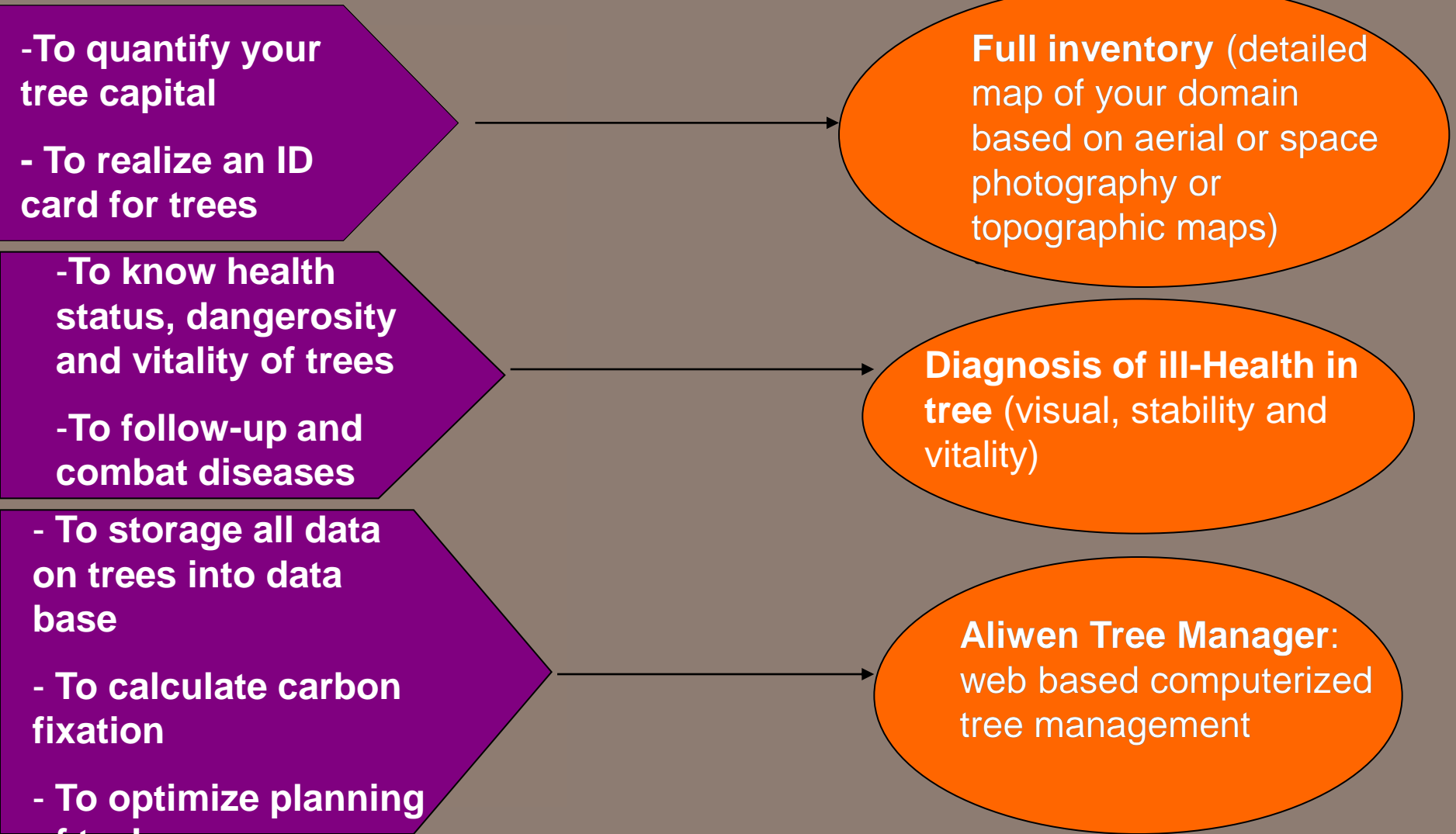
Founded in 2003 Aliwen is a spin-off company from the University of brussels (Belgium)

High qualification multidisciplinary team with strong technical skills and an acknowledged expertise of:

- Botany
- Urban trees and forest management
- Plant pathology and mycology
- Plant pharmacy
- Soil conservation to combat desertification



What does Aliwen propose ?



Activities and services: applications

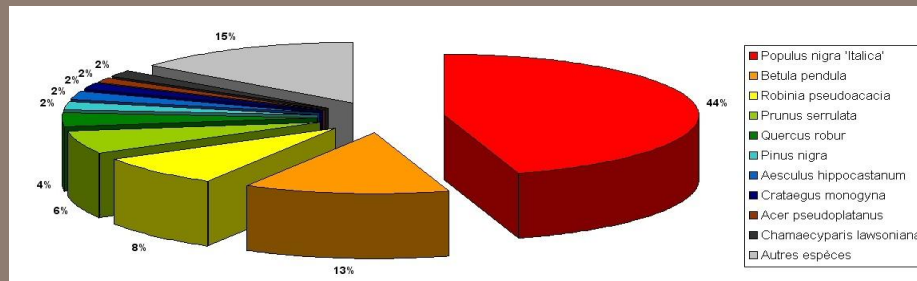


- maintain and improve biodiversity
- combat desertification in arid areas
- concept new green spaces
- guarantee long term and optimal development of trees for durable management
- Optimize CO₂ fixation by mature trees
- Efficiently follow-up and combat diseases
- Integrate water and vegetation management (efficient irrigation)



Inventories

- Every tree is:
 - Identified and described
 - Tagged and receives a unique number
 - Is localised, georeferenced and cartographed with geographic coordinates (SIG)
- Interests :
 - To quantify the tree capital of a site
 - To identify the species diversity
 - To inventory diseased or dangerous trees
 - To target the priority intervention areas



Health diagnosis

- Diseases Identification: visual tree examination and evaluation of their impact on tree health
- Purposes are to identify **symptoms, causes and pathogens (tree-damaging agents)**
 - fungi
 - insects
 - bacteria
 - Non-living agents...
- Advices:
 - Optimal conditions for planting trees
 - Treatment and care with adapted medicine





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A large, stylized tree graphic on the left side of the slide. The canopy is made of a grid of squares in various shades of green, yellow, and blue. The trunk is a solid grey vertical bar.

Presentation of Aliwen Tree Manager ©

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Identity card of your trees

Aliwen Tree Manager©



- ATM is an internet application for managing trees, based on a unique method of inventory and health status follow-up. This instrument consists of a database with all the data on the trees and a friendly web based application.



Therefore, it's possible for the customer to manage his trees from a standard web browser without having to worry about licence purchase, upgrades, complicated setup or the difficult installation of updates.



ATM©

tools for sustainable development



This data base could help you to know:

1. biodiversity
2. Carbon stock of the tree or of your patrimony
3. **Follow-up during time**



Welcome page with login



ATM v2 Nom d'utilisateur - Windows Internet Explorer

http://atm.aliwen.com/test/?ak=/baseadmin/login/authenticate/


Google

Rechercher Partager Sidewiki Orthographe Traduire Saisie automatique Connexion

Favoris Personnaliser les liens Plus de compléments... Sites suggérés

ATM v2 Nom d'utilisateur

Page Sécurité Outils


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Prenons la solution à la racine

Identifiez-vous

Insérez votre nom d'utilisateur et votre mot de passe

Nom d'utilisateur

Mot de passe

IDENTIFICATION

We recommend using Firefox for the best experience using ATMv2. You may download Firefox [here](#)

Terminé

Internet | Mode protégé : activé

100%

Boîte de ré... powerpoin... 2 Micros... Adobe Acr... ATM v2 No... FR

19:21

My patrimony



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Aliwen Manager - auth - Microsoft Internet Explorer

Fichier Edition Affichage Favoris Outils ?

Précédente Rechercher Favoris

Adresse <http://atm.aliwen.com/prod/index.php> OK Liens >>

Wednesday, 29 october 2008

Aliwen Tree Manager

My patrimony | Search species | Help | Contact us | Logout

Search (ID, Species, Group, Site)

OK

Site (Geographic) Group (Logical)

- Sector A
- Sector B
- Sector C
- Sector D
 - 1st street
 - 2nd street
 - 3rd street
 - 4th street
 - 5th street
 - 6th street
 - 7th street
 - 8th street
 - 9th street
 - Oasis park

Demo

My patrimony contains:

- 86 trees
- 26 sites
- 5 groups
- 21 urgent tasks
- 22 waiting tasks

Add/Update

- Tasks
- Maps/Photographs
- Group
- Comment

Reporting

- Tasks to do
- Hazard trees
- Interferences
- Synthesis per gender
- Synthesis per species

Actions

- Historical
- Export CSV

Maps/Photographs

29/10/2008 29/10/2008

Sub-sites

- Sector A (35 trees, [8 waiting tasks](#))
- Sector B (2 trees)
- Sector C (29 trees, [14 waiting tasks](#))
- Sector D (20 trees)

Groups

Comment

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0 seconde(s)

Terminé Internet

Tree's ID



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Précédente Recherche Favoris

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001 - Phoenix dactylifera 'Medjool' (Date palm 'Medjool')

Estimated age: 5 years
X coordinate: 149906.41
Y coordinate: 172347.55

Hazard level (29/10/2008): -
Patrimonial status: Accompanying value
Ornamental value = -

Waiting tasks

Cut down with dismantling Expiring date: 12 month (29/10/2009)

>> CLOSE ALL <<

Photos Last update: 29/10/2008

Description Last update: 29/10/2008

Visual diagnostic Last update: 29/10/2008

Leaves / Fruits

Nothing to report

Branches

Nothing to report

Trunk

Nothing to report

Roots

White rot

Ceratocystis fimbriata

Complementary diagnose Last update: 29/10/2008

Stability

Tomograph:
Height of measurement : 20 cm
>> [Look at the tomogrammes](#)

Comment

Add/Update

- Tasks
- Photos
- Characteristics
- Comment

Actions

- Link to a group
- Print tree page
- Historical

Get Adobe Reader

001984 - Tilleul argenté (*Tilia tomentosa*)

» Identité

Age : 122 - 183 ans

Site: Dix Metres (dreve des)

Stock de carbone : 147.19 kg équivalent CO2/an

Dangerosité : Low

Statut patrimonial : -

Etat phytosanitaire: 0,9

Valeur ornementale : 41440 €

Stock de carbone : 147.19 kg équivalent CO2/an

Valeur ornementale : 41440 €

Task list

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Fichier Edition Affichage Favoris Outils ?

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Search (ID, Species, Group, Site)

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Tasks list to treat ([PDF report](#))

Tasks :

Expiring before 19 Search

/ Sector A / Magpie street

Aeration and decompaction of the soil

- 11 - *Tilia platyphyllos* (Broad-leaved Lime) ▲
- 12 - *Tilia platyphyllos* (Broad-leaved Lime) ▲
- 13 - *Tilia platyphyllos* (Broad-leaved Lime) ▲
- 14 - *Tilia platyphyllos* (Broad-leaved Lime) ▲

Cut down with dismantling

- 06 - *Tilia platyphyllos* (Broad-leaved Lime) ▲
- 27 - *Tilia platyphyllos* (Broad-leaved Lime) ▲

Cut down without dismantling

- 25 - *Tilia platyphyllos* (Broad-leaved Lime) ▲

/ Sector A / Heron street

Measure stability

- 4 - *Cydonia oblonga* (Quince)

/ Sector C / St Catherina parc

- 12 - *Pyrus communis* (Wild pear) ▲
- 13 - *Pyrus communis* (Wild pear) ▲
- 14 - *Cydonia oblonga* (Quince) ▲
- 16 - *Amelanchier lamarckii* (Apple serviceberry) ▲
- 17 - *Malus domestica* (Apple) ▲
- 18 - *Malus domestica* (Apple) ▲
- 19 - *Malus domestica* (Apple) ▲
- 24 - *Cydonia oblonga* (Quince) ▲

Recherche (Id, Essence,
Groupe, Site)

Ok

 Recherche avancée et
création de groupes

Site Groupe

Waterloo

[Cartographie](#) [Fiche](#) [Tâches](#) [Ajouter un arbre](#) [Exporter](#) [Historique](#) -- Rapports --

Dix Metres (dreve des) - 15 arbres

» Statistics

Stock de carbone : 1090.04 kg équivalent CO2/an

Valeur ornementale : 230430 €

» Images

Aucune image

» Liste des arbres

Tri sur Identification

-  001984 - *Tilia tomentosa* (Tilleul argenté)
-  001985 - *Liquidambar styraciflua* (Copalme)
-  001986 - *Tilia tomentosa* (Tilleul argenté)
-  001987 - *Tilia tomentosa* (Tilleul argenté)
-  001988 - *Chamaecyparis lawsoniana* (Cyprès de Lawson)
-  001989 - *Tilia tomentosa* (Tilleul argenté)
-  001990 - *Aesculus hippocastanum* (Marronnier d'Inde)
-  001991 - *Aesculus hippocastanum* (Marronnier d'Inde)
-  001992 - *Tilia tomentosa* (Tilleul argenté)
-  001993 - *Aesculus hippocastanum* (Marronnier d'Inde)
-  001994 - *Aesculus hippocastanum* (Marronnier d'Inde)

Dix Metres (dreve des) - 15 arbres

» Statistics

Stock de carbone : 1090.04 kg équivalent CO2/an

Valeur ornementale : 230430 €

Stock de carbone : 1090.04 kg équivalent CO2/an

Valeur ornementale : 230430 €

Task on tree

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Précédente Recherche Favoris

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Search (ID, Species, Group, Site)

OK

Site (Geographic) Group (Logical)

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- 7th street
- 8th street
- 9th street
- Oasis park

Add a new task: 001 - Date palm 'Medjool'

Choose a task:

Cut down

Cut down with dismantling

Pick an expiration date:

29/10/2008

OK Cancel

Octobre, 2008						
Aujourd'hui						
Sem.	Dim	Lun	Mar	Jeu	Ven	Sam
39				1	2	3
40	5	6	7	8	9	10
41	12	13	14	15	16	17
42	19	20	21	22	23	24
43	26	27	28	29	30	31

SA@lectionner une date

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0 seconde(s)

Terminé Internet

Site history



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Fichier Edition Affichage Favoris Outils ?

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Site history Demo

Evolution of the number of trees throughout time

	2000	2005	2006	2007	2008
Living	0	0	0	40	82
Dead	0	0	0	1	1
Stump	0	0	0	2	2
Taken away	0	0	0	4	4

Table of executed tasks

	2000	2005	2006	2007	2008
Plantation	3	0	0	2	0
Cut down	0	0	0	2	0
Take away tree stump	0	0	0	4	0
Expertise	0	0	0	13	12
Technique intervention	0	0	0	0	0
Biological remedy	0	0	0	4	0
Technical task	0	0	0	20	0
Revitalisation	0	0	0	0	0
Pruning	0	0	0	1	0
Chemical treatment	0	0	0	1	1

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1 seconde(s)

Tree's history



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Précédente Recherche Favoris

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OK Liens

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My patrimony | Search species | Help | Contact us | Logout

Search (ID, Species, Group, Site)

OK

Site (Geographic) Group (Logical)

- Sector A
 - Heron street
 - Maggie street**
 - Play garden sector A
 - Stork street
 - Woodpecker street
- Sector B
- Sector C
- Sector D

01 - *Tilia platyphyllos* (Broad-leaved Lime)

Show all Search (View the history in PDF-format)

[13/10/2008] : Creation tree page / Status modification
Status (en vie)

[07/06/2007] : Danger
Creation tree page / Status modification

[04/06/2007] : Dimensions
Creation tree page / Status modification
Photos
Environmental data
Status (en vie)
Symptoms

[04/06/2005] : Create tree page

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0 seconde(s)

MAP



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My patrimony | Search species | Help | Contact us | Logout

Search (ID, Species, Group, Site)

OK

Site (Geographic) Group (Logical)

- ☒ Sector A
- ☒ Sector B
- ☒ Sector C
- ☒ Sector D
- ☒ **1st street**
- ☐ 2nd street
- ☐ 3rd street
- ☐ 4th street
- ☐ 5th street
- ☐ 6th street
- ☐ 7th street
- ☐ 8th street
- ☐ 9th street
- ☐ Oasis park

1st street (12 trees)



Legende :

- Loofboom
- Naaldboom
- Stobbe
- Dode

Schaal : 1/2626

0 28 56 84 m



Size : [1024x768](#) - [1280x10240](#) - [1400x1050](#)

Add/Update

- Tasks
- Maps/Photographs
- Group
- Comment

Reporting

- Tasks to do
- Hazard trees
- Interferences
- Synthesis per gender
- Synthesis per species

Actions

- Historical
- Export CSV

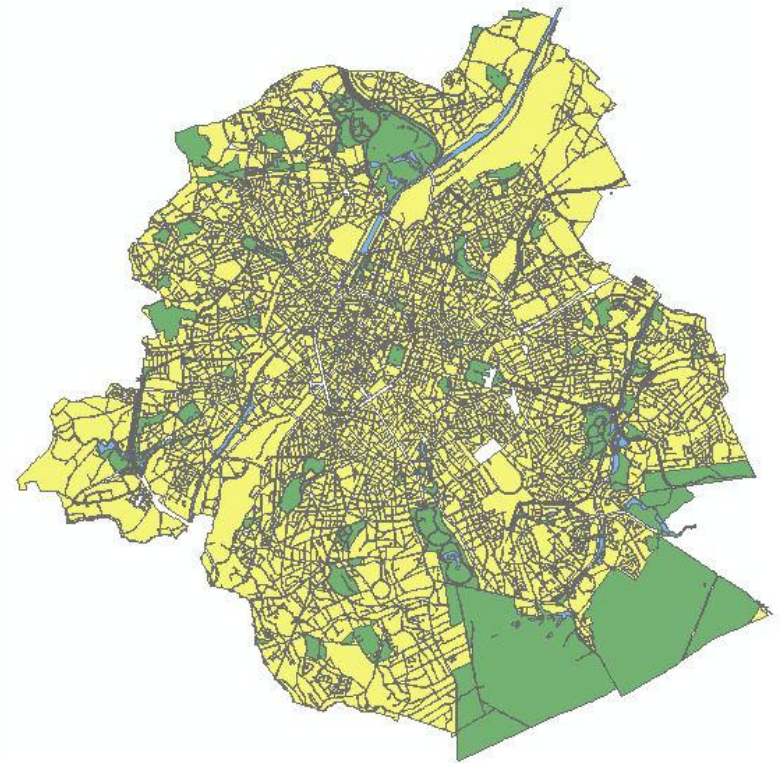


Cartography required for an easy view of soil occupation



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Research & Development



- Development of a bio-stimulants adapted to urban trees (Project «First Entreprise », Walloon Region)
- The use of infra-red photography to follow-up health trees
- Study of the consequences of the heavy machines on soil density linked with the vitality of urban trees (Soil Mechanics Laboratory, ULB)





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Thank you for your attention

