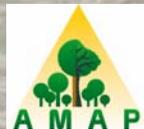


IUCN Workshop on invasive species
Guadeloupe November 2009

Identification assisted by computer IDAO and IKONA processes

Thomas LE BOURGEOIS, Pierre BONNET
Mathieu Coutaud, Pierre GRARD, Claude EDELIN,
Juliana PROSPERI, Frédéric THEVENY

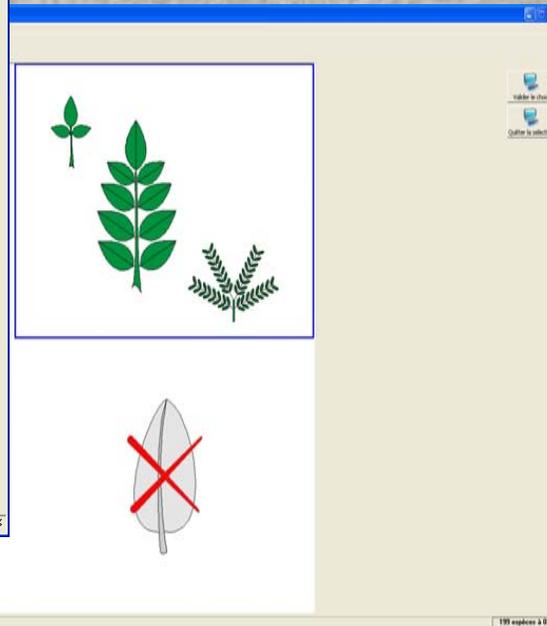
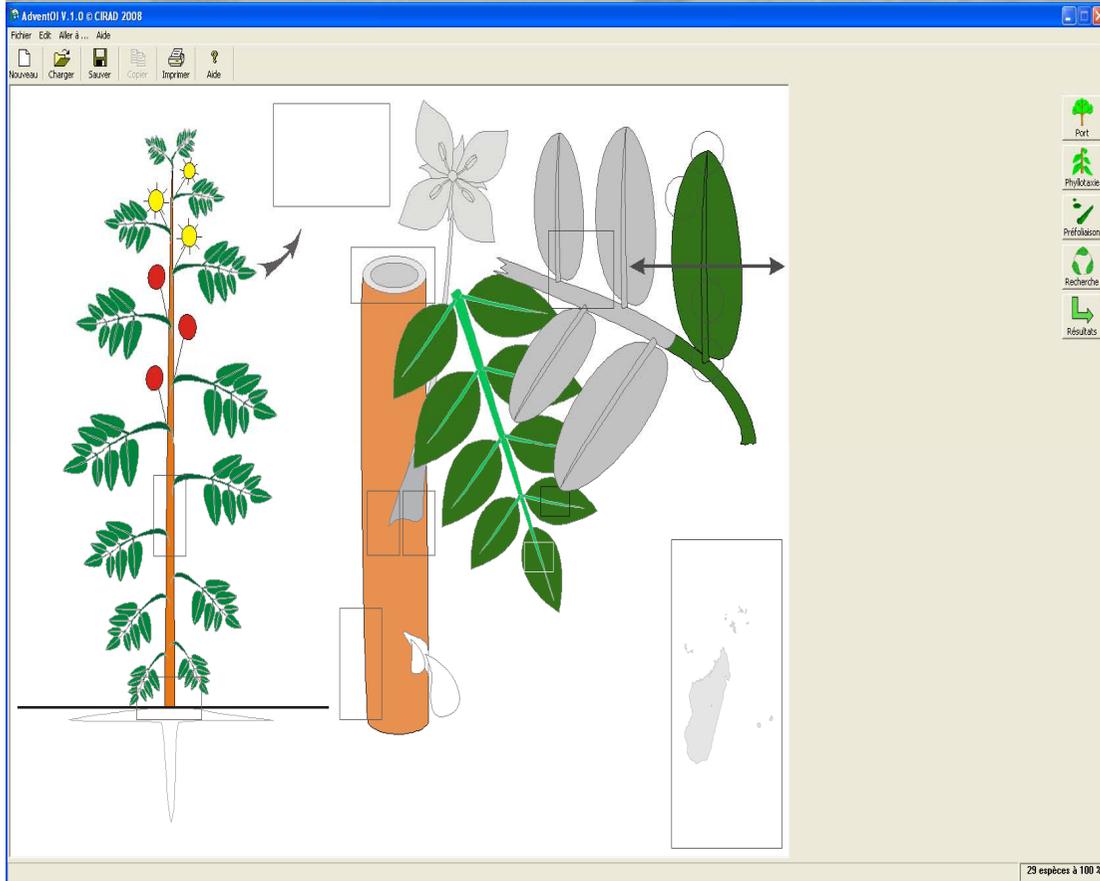
UMR AMAP - INRIA



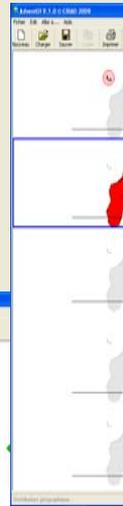
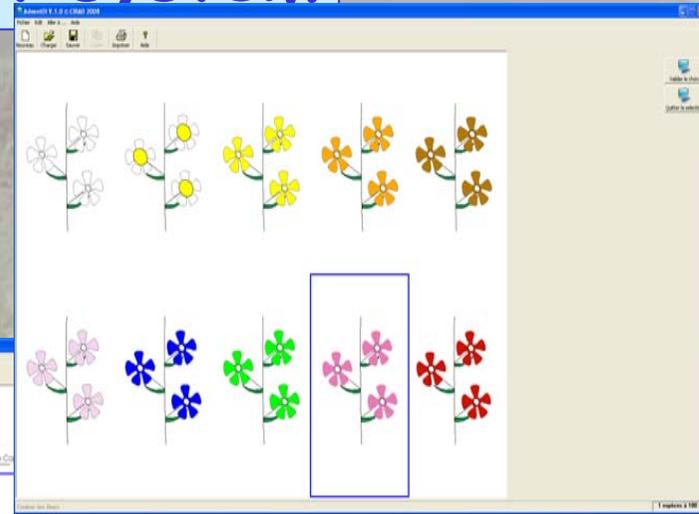
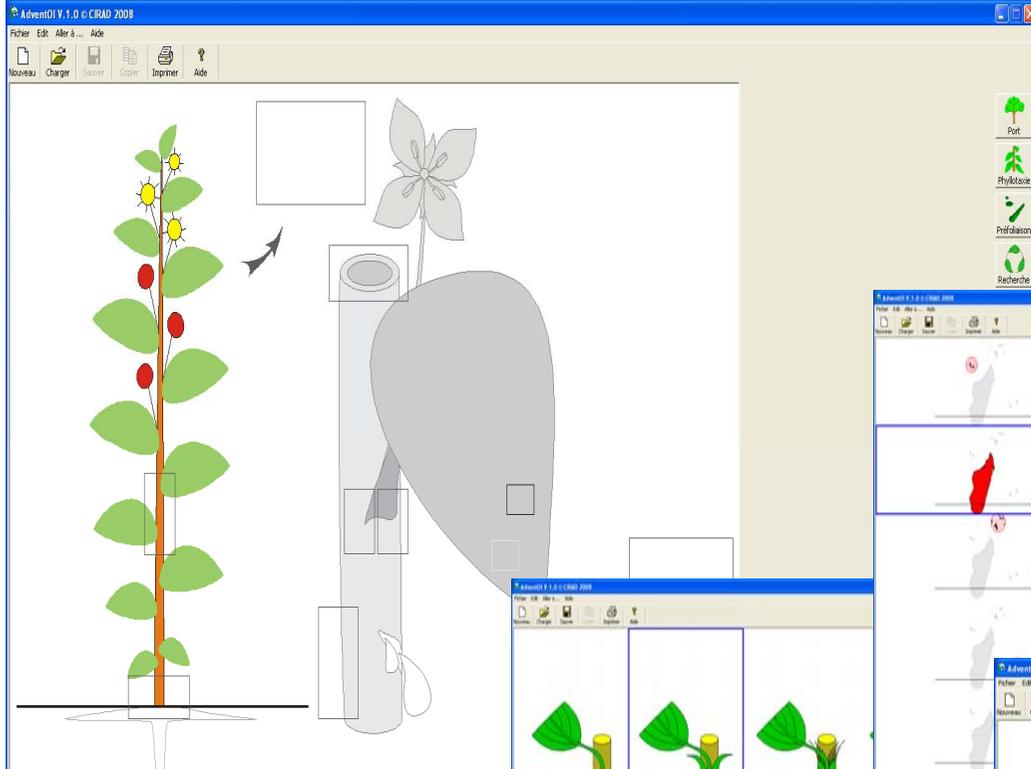
Skills

- Usefull for everybody
- No need of any knowledge in botanics
- Scientificaly precise but easy to use
- Able to identify plants at any stage of growth
- Tolerant to observational errors
- Usefull at the office or in the field
- Tool for identifying, teaching or training
- Information regularly updated

The Identikit system



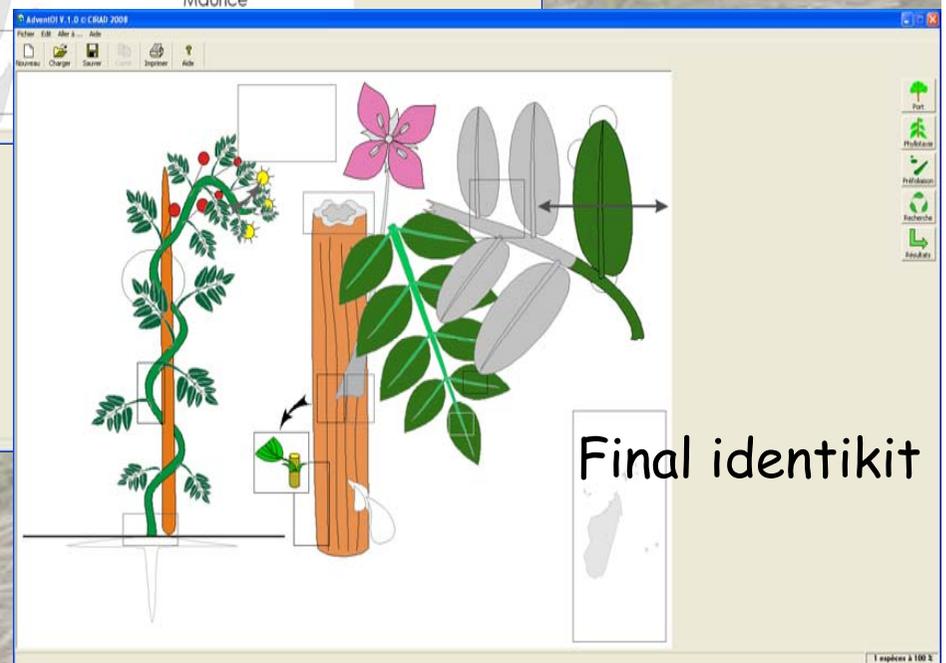
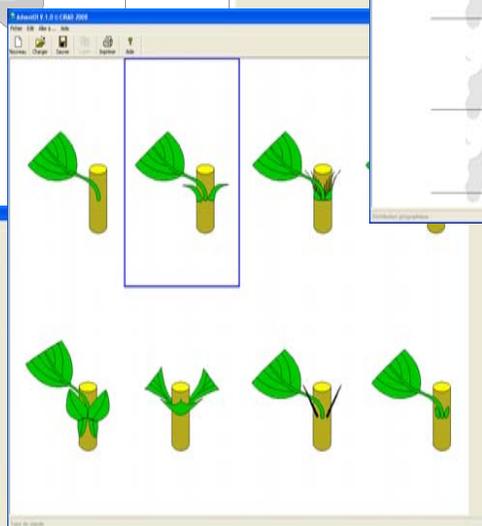
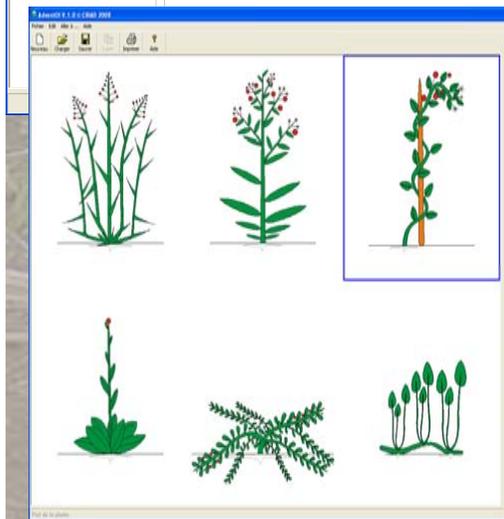
The Identikit system



Madagascar

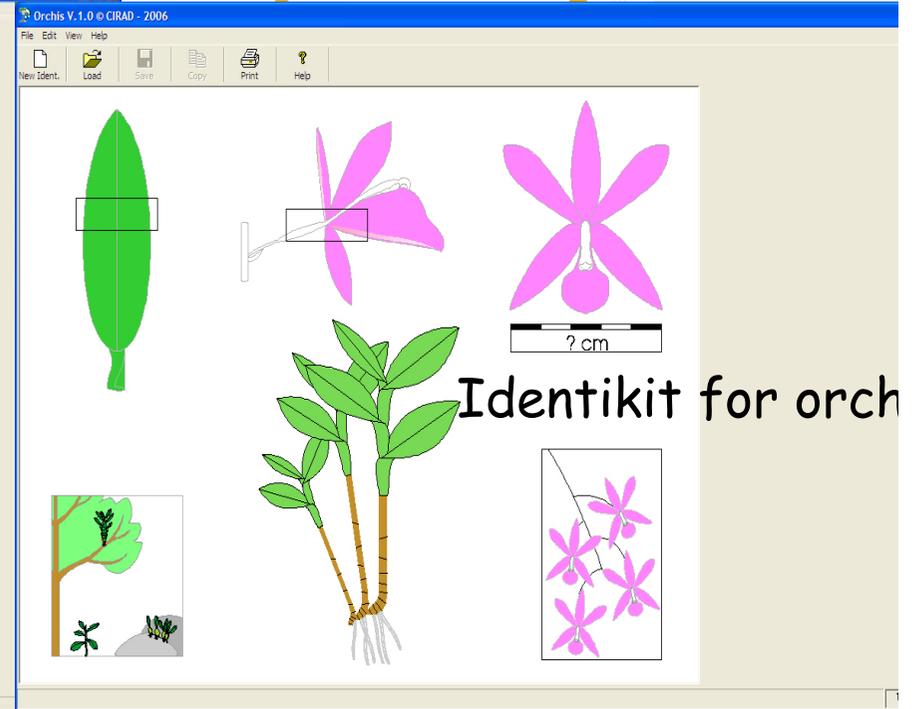
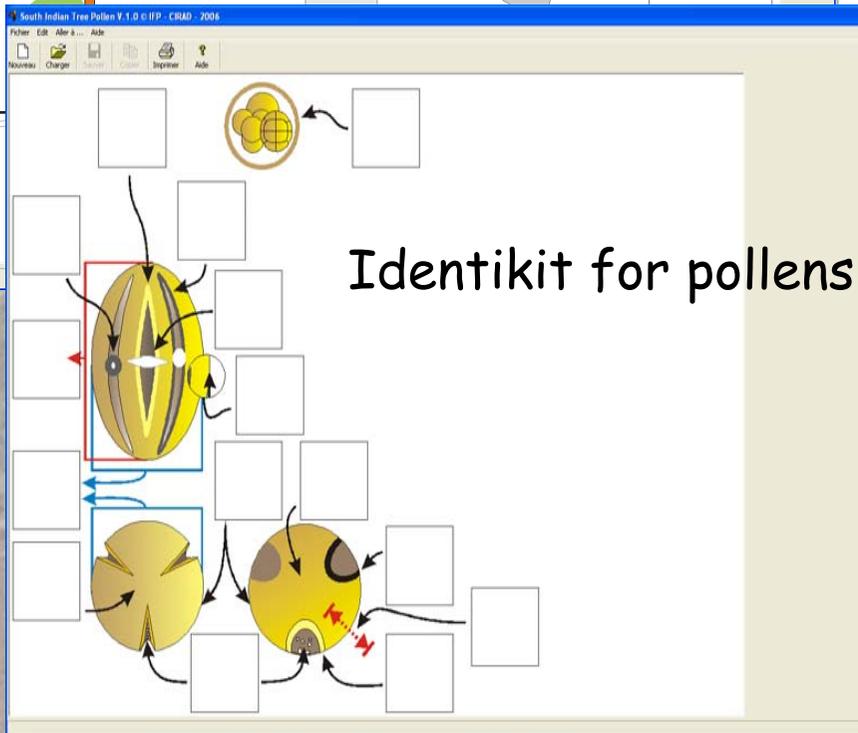
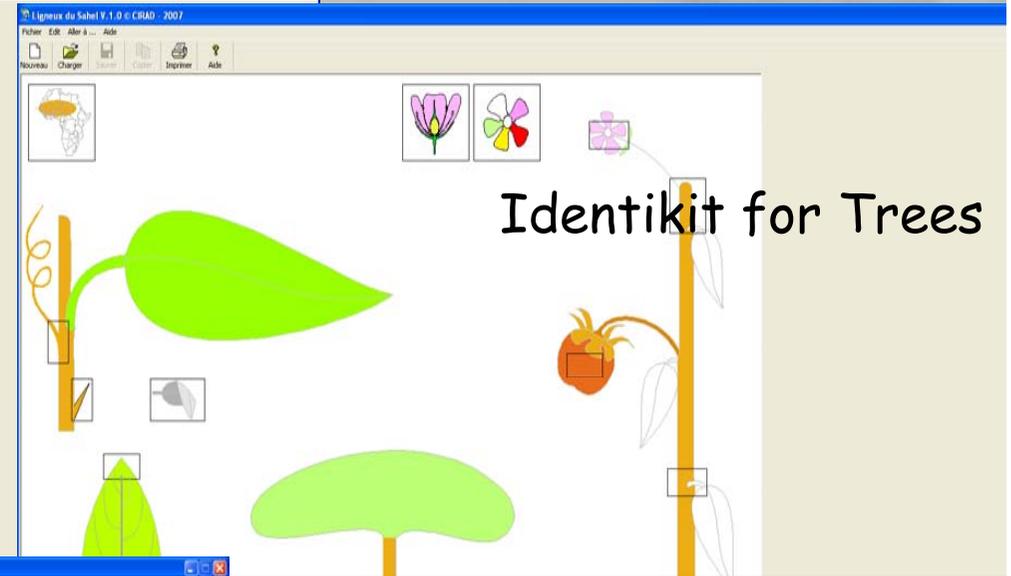
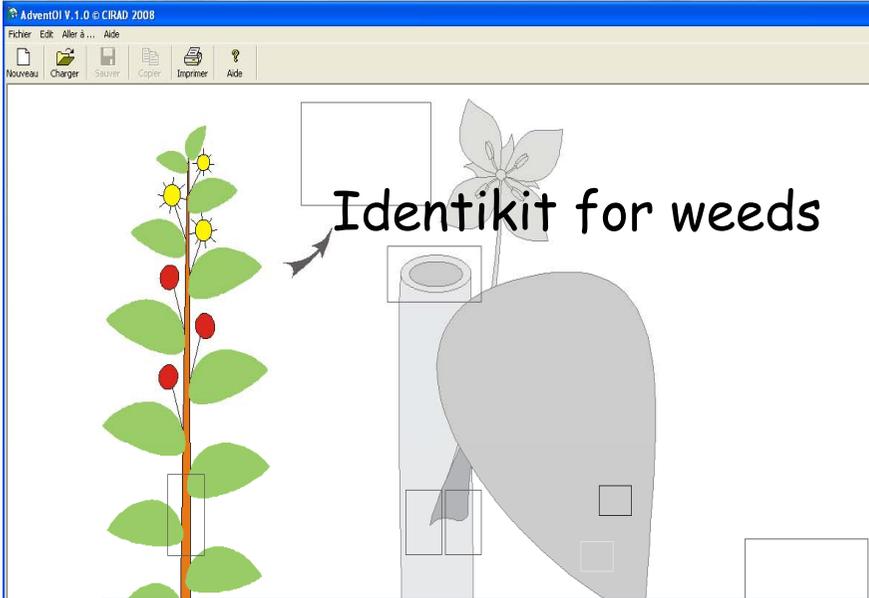
Seychelles

Maurice



Final identikit

Different kinds of identikit



Different uses



At the office
Cd-rom or Internet

in the field



IKONA: Identification by image recognition

[Shuffle](#) [Previous](#) [Next](#) [Feedback](#)

Keywords

External jpeg image



Image submitted for recognition

[Settings](#) [HELP](#) [Other Demos](#) [Visual search engine](#) : project IMEDIA © 2001 INRIA

Regions mode Points mode Thesaurus mode Feedback mode Show keywords

[Shuffle](#) [Previous](#) [Next](#) [Feedback](#)

Keywords

External jpeg image



			
echcg/ECHCG_T_136.jpg	echcg/ECHCG_T_148.jpg	echcg/ECHCG_T_120.jpg	echcg/ECHCG_T_156.jpg
			
echcg/ECHCG_T_136.jpg	echcg/ECHCG_T_126.jpg	echcg/ECHCG_T_140.jpg	echcg/ECHCG_T_142.jpg
			

Images founded in the image database

Exemples de logiciels IDAO et IKONA accessibles

Logiciels utilisables en ligne via Internet

<http://www.ifpindia.org/biotik>

<http://www.biotik.org/wghats/>

Logiciels à télécharger et installer localement

Arbres de l'Inde

http://www.biotik.org/downloads/WG_Setup.exe

Adventices du riz au Cambodge et Laos

<http://www.oswaldasia.org/download.htm>

Pour des informations générales sur IDAO voir page Web de l'UMR-AMAP

http://umramap.cirad.fr/amap2/logiciels_amap/index.php?page=idao

Pour tester le procédé IKONA reconnaissance par l'image

<http://www-roc.inria.fr/cgi-bin/imedia/circario.cgi/bio-diversity>

Pour plus d'information contacter

thomas.le_bourgeois@cirad.fr

A photograph of a lush garden filled with numerous bright red flowers, likely morning glories, with green leaves and stems. The flowers are in various stages of bloom, some fully open and others as buds. The background shows more greenery and some brown, dried leaves.

Thank you