IDAO: A graphical tool for computer-assisted plant identification

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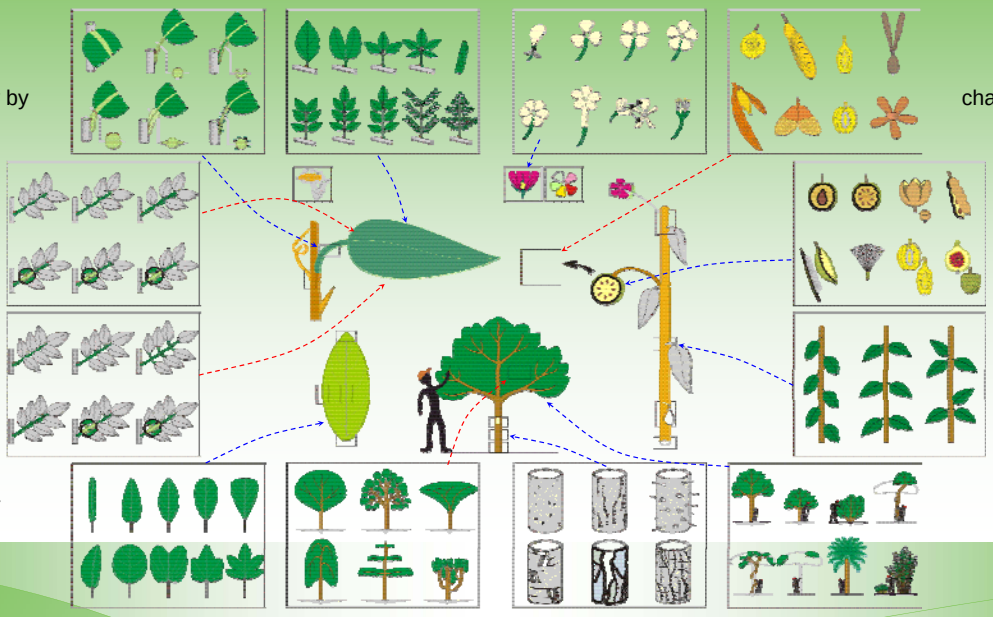
IDAO: a graphical tool for computer-assisted plant identification

Graphical interface

- **Multi-entry identification approach with morphological, ecological and geographical identification characters (friendly use user interface, non-ordered characters selection, graphical representation of characters states combination)**
- **On-line and off-line access, with applications to several different floras (ligneous trees, invasive weeds, epiphytic plants, …)**

Direct Link : Identification characters accessible directly by simple click on the graphic interface

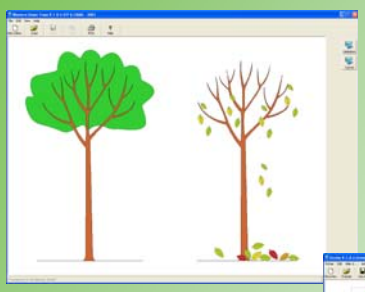
Indirect Link: Identification characters accessible only after the selection of a previous parent-state of character



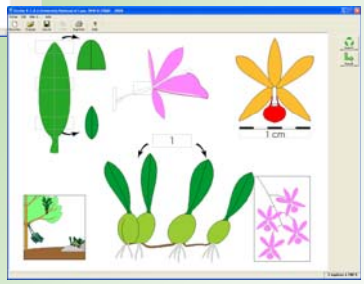
Specific interface : Graphic interface adapted to particular flora, or specific end-users

Background knowledge: No need of specific botanical knowledge (adapted to numerous potential non-specialists, only one application for various languages)

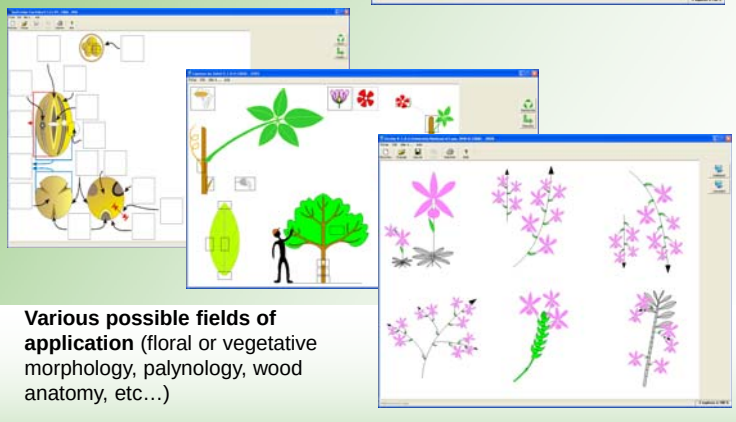
Graphical advantages



Easily understandable presentation of characters states

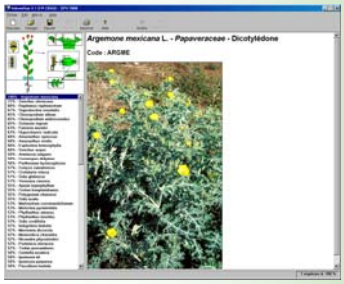


Identikit updated with user selections



Various possible fields of application (floral or vegetative morphology, palynology, wood anatomy, etc…)

Powerful functionalities



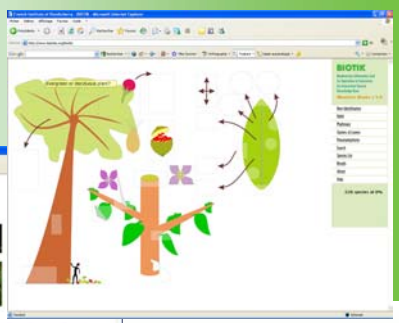
Multi-entry system, tolerant to observational errors

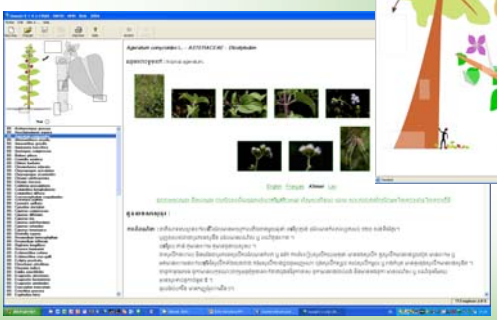
Missing information tolerated

Numerous **descriptions, photos and illustrations** by species

Portable on several supports, for field use or laboratory work..

Accessible on-line on Internet, with **SVG format**.





Multilingual applications

AMAP · INRIA ROCQUENCOURT · Tela Botanica · agropolis fondation · CIRAD · INRA Institut National de la Recherche Agronomique · IRD institut de recherche pour le développement