


===== README =====

Xper² - Release 2.2 
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<http://www.infosyslab.fr>

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1- OVERVIEW

Xper² is a free software developed by the LIS (Laboratoire d'Informatique et Systématique - Systematics and Informatics Laboratory) at the University Pierre et Marie Curie in Paris. Xper² is a user friendly editor of knowledge bases on descriptive data and allows C.A.I. (Computer Aided Identification).

Xper² is composed of two distinct interfaces :

1- A builder : The editor of knowledge bases which allows the building of the descriptive system with descriptors and states, and the edition of taxa that can be described using the pre-established descriptive system.

Example:

Descriptor "Dorsal spots" => "present" or "absent"

Taxon "Genetta tigrina" => "dorsal spots = present"

2- A player : The identification module is an interactive way (with a possibility of using it as a Java applet from a web browser) to try to match a specimen with one of the taxa described in a knowledge base.

You will find 2 different versions of Xper² :

- Xper2 : The complete software (editor of descriptors and taxa, and C.A.I.).
- Xper2-Identification : The stand-alone CAI, able to open an on-line base (with Java Web Start or applet).

2- REQUIREMENTS

Configuration :

	MINIMUM	RECOMMANDE
PROCESSEUR :	500 Mhz	>1Ghz
MEMOIRE :	512 Mo	>1Go
ESPACE DISQUE :	50 Mo	>100 Mo
JRE :	V1.5	V1.6

Xper² is implemented in Java, and therefore is a cross-platform software and will run on any Java enabled operating system : Linux, MacOSX, Windows,...

If needed, update or install a Java Runtime Environment :

- On Windows, during the installation, select the JRE component
- Else go to the Java Website (<http://java.sun.com/>) to download the latest release

3- INSTALLATION

WINDOWS

To install Xper² software, click on the install executable and follow the installation wizard.
By default, it will be installed into the directory : C:\Program Files\Xper2
(Caution, on Windows XP you need administrator rights !)

You can of course change the destination directory.

If any JRE is installed on your computer, select the JRE component while installation at the step of choice components.

LINUX

To install Xper² software, decompress the archive, command "tar xvfz archive.tgz".
By default, all files will be extracted in a new directory with the archive name.

MacOS

To install Xper² software, unzip the archive and copy the extracted directory where you want.

4- LAUNCH

WINDOWS

To launch Xper², click on the shortcut on the desktop, in the taskbar, or in the applications menu.

If you encounter troubles, check these points :

- Is a Java Runtime Environment installed ?

In a DOS command window, type "java -version". If you obtain an error message, that means that no JRE is installed.

- Is the JRE compatible with Xper² ?

In a DOS command window, type "java -version". You will obtain informations about the installed JRE. Check the number version, and update it if the version is lower than 1.5

LINUX

To launch Xper², execute the script Xper2.sh from the bin/ directory.

```
$ ./Xper2.sh
```

Check if the file Xper2.sh is executable. If not, give the execution rights to this file.

```
$ chmod +x Xper2.sh
```

The Xper² software needs a Java Runtime Environment (JRE 1.5 or up), So, verify if a JRE is installed on your system and check the version number.

```
$ java -version
```

MacOS

To launch Xper², click on the application called Xper2.app

The Xper² software needs a Java Runtime Environment (JRE 1.5 or up), So, verify if a JRE is installed on your system and check the version number.

```
$ java -version
```

5- BUGS

The Xper² software is actually in development.

So it's possible that you encounter some troubles while using Xper². In this case, report us the problem by email at webmaster-lis@snv.jussieu.fr.

Try to give us a maximum of information about the problem and about your configuration (OS, JRE version,...).

6- CONTACT

For any information, bug reports, need of explanation, you can send us an email at xper@listes.upmc.fr.

To be informed about evolutions and future releases of Xper², we encourage you to subscribe to our mailing-list [xper]:

- First way:

Send an email to sympa@listes.upmc.fr with the following subject: subscribe xper
<your_first_name> <your_name>

- Second way:

Go to the url <https://www.listes.upmc.fr/wws/subscribe/xper>

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