

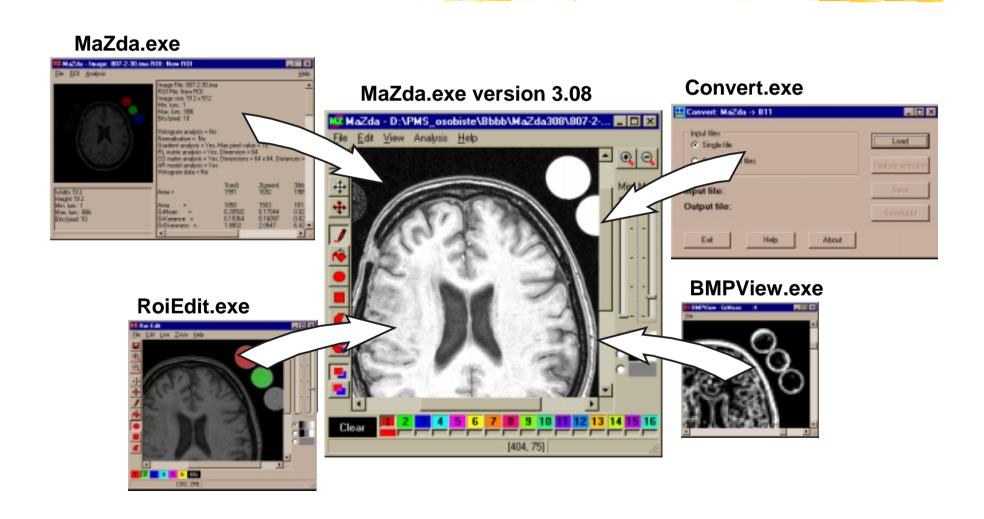
#### Piotr M. Szczypiński

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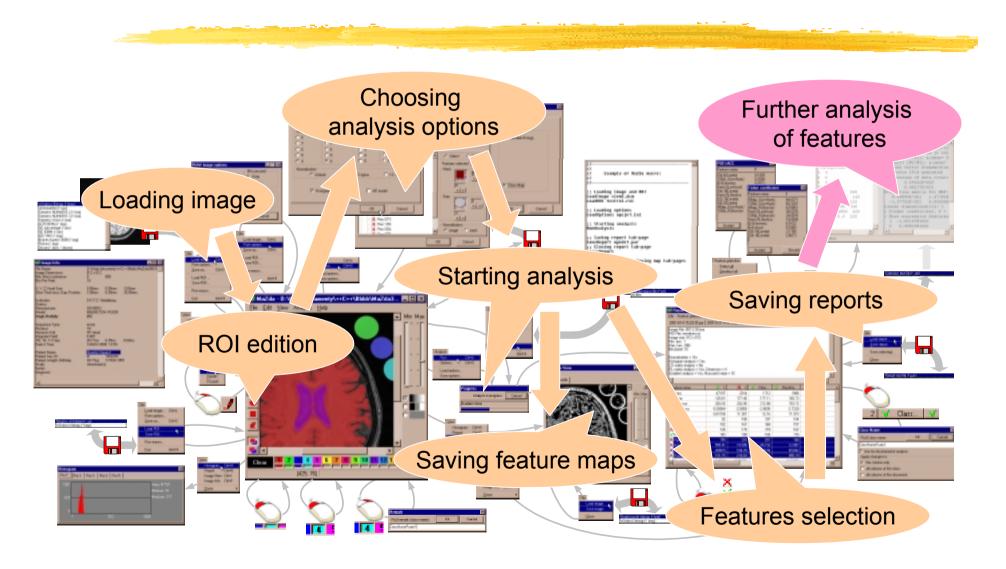
#### What is MaZda?

- specialised software tool for calculation of texture features (parameters) in MR images
  - within defined regions of interest
  - as feature maps (image filtration)
- written in C++ and compiled for a graphical user interface of Windows 9x/NT/2k system
- MaZda acronym for co-occurrence matrix
  - Macierz Zdarzeń in polish
- under development since 1996

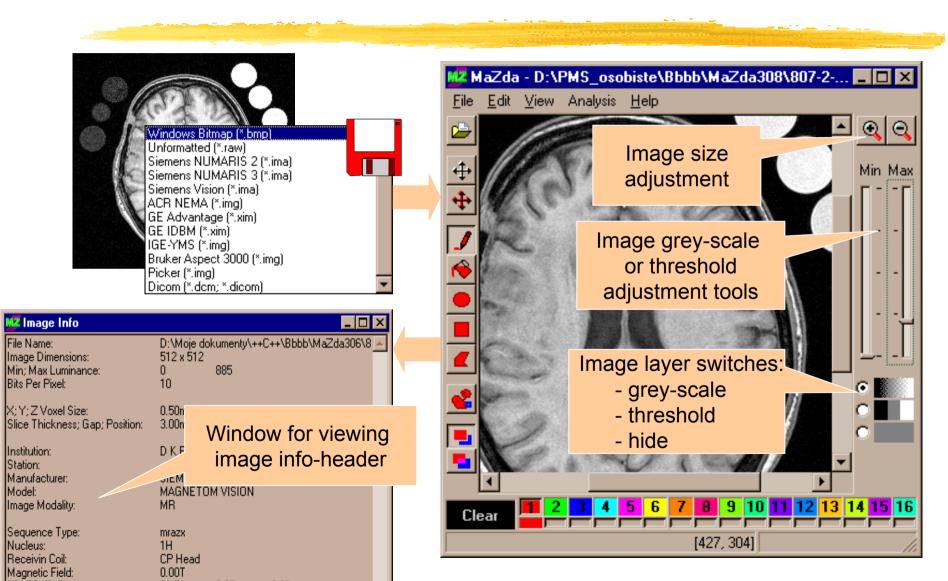
# Integration of MaZda, RoiEdit, BMPView and Convert



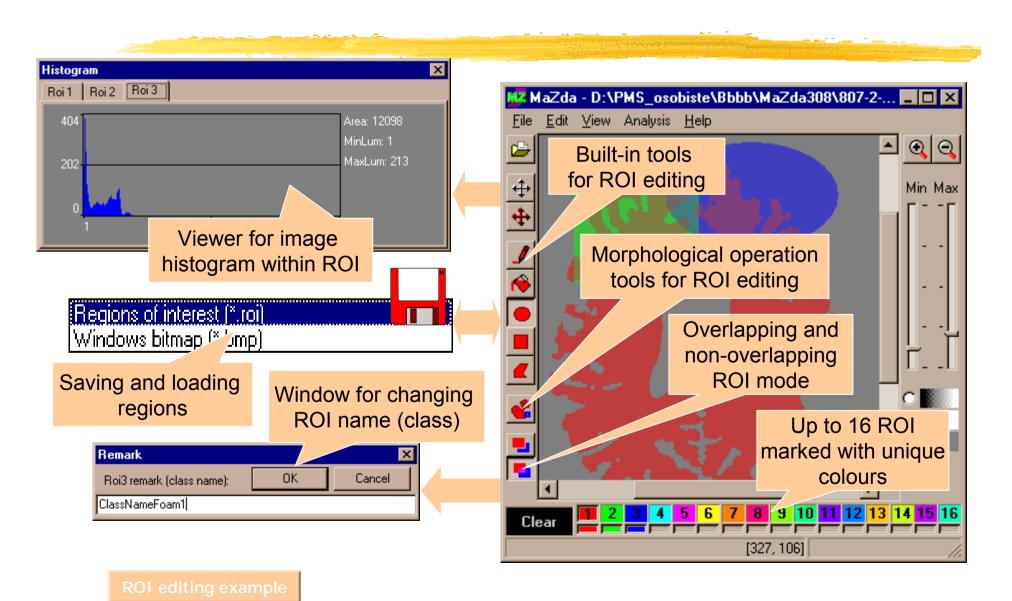
#### Image analysis with MaZda



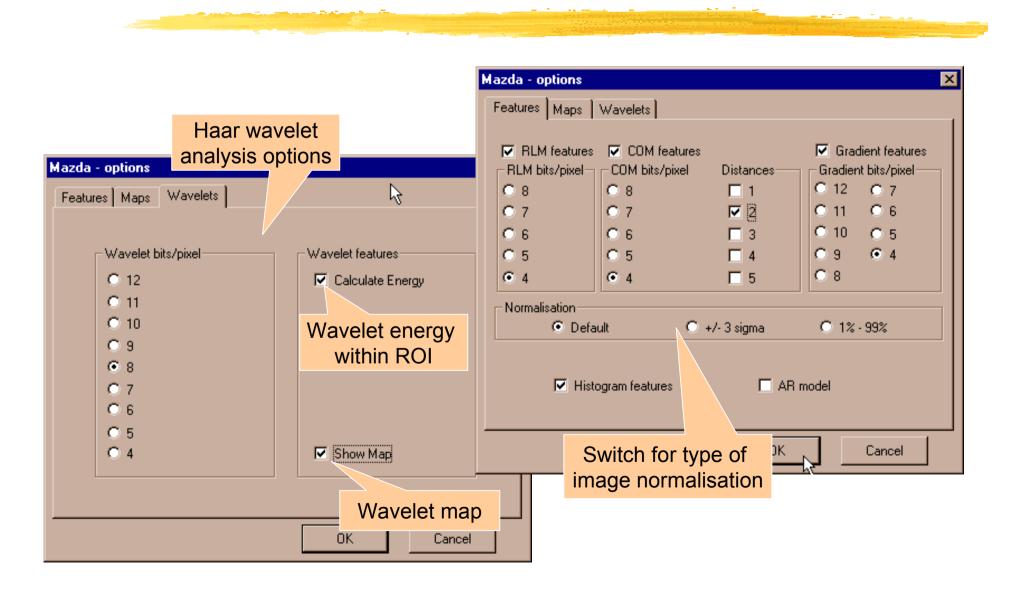
#### Loading and viewing image



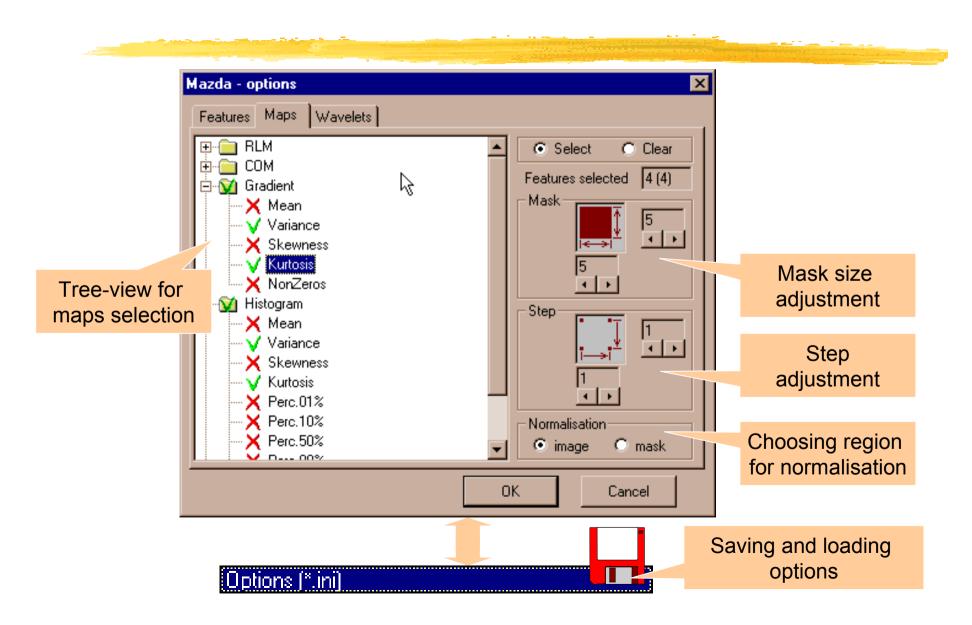
#### **Defining regions of interest**



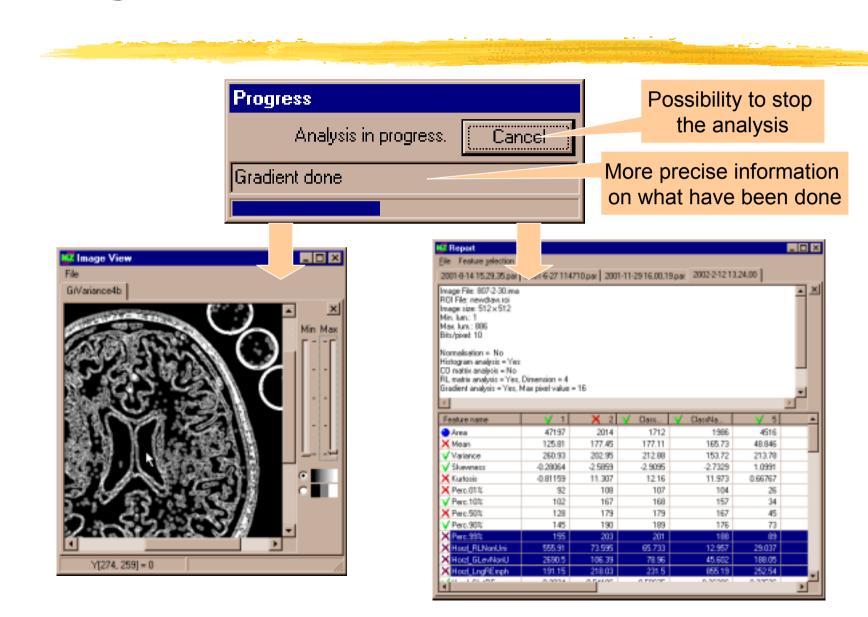
## **Choosing analysis options (1)**



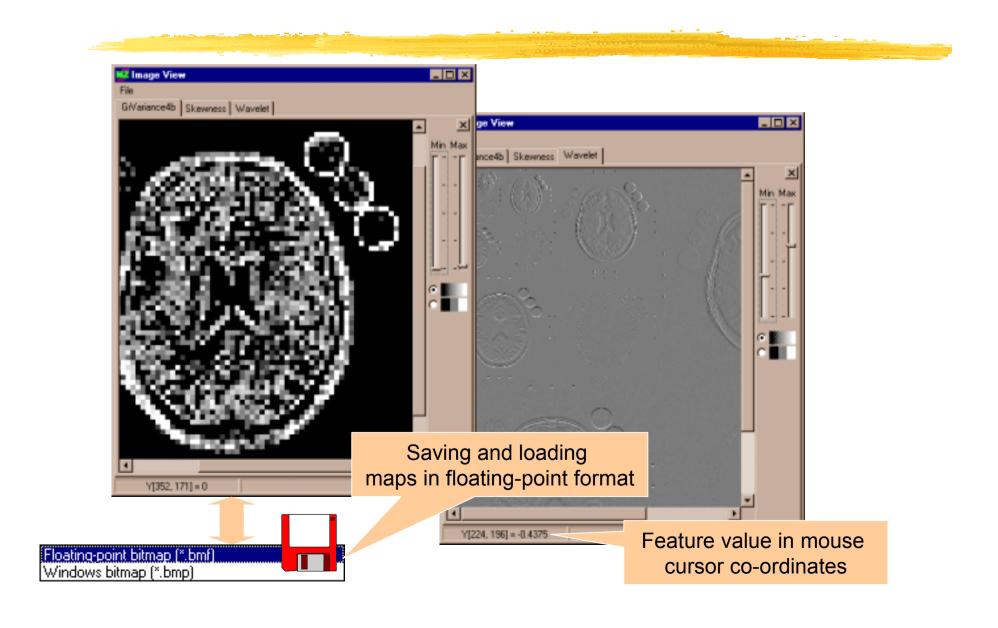
# Choosing analysis options (2)



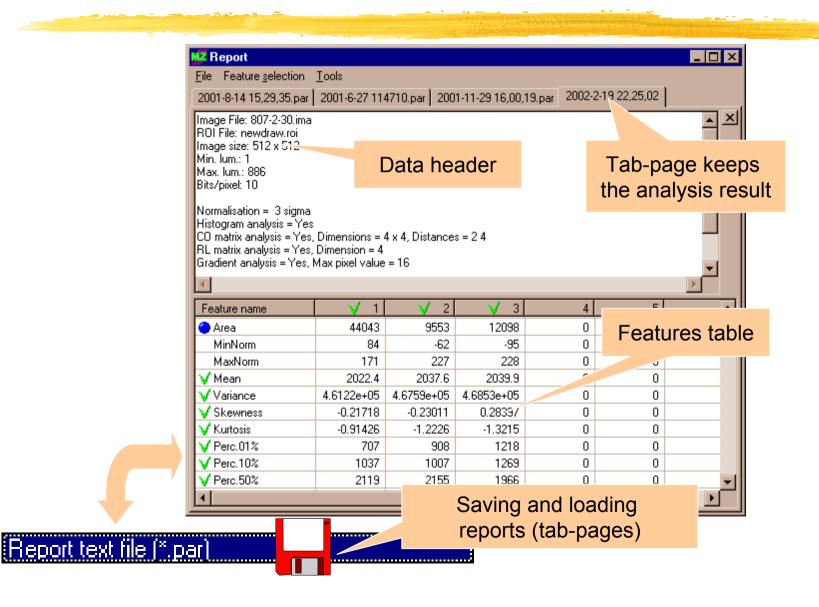
## **Analysis**



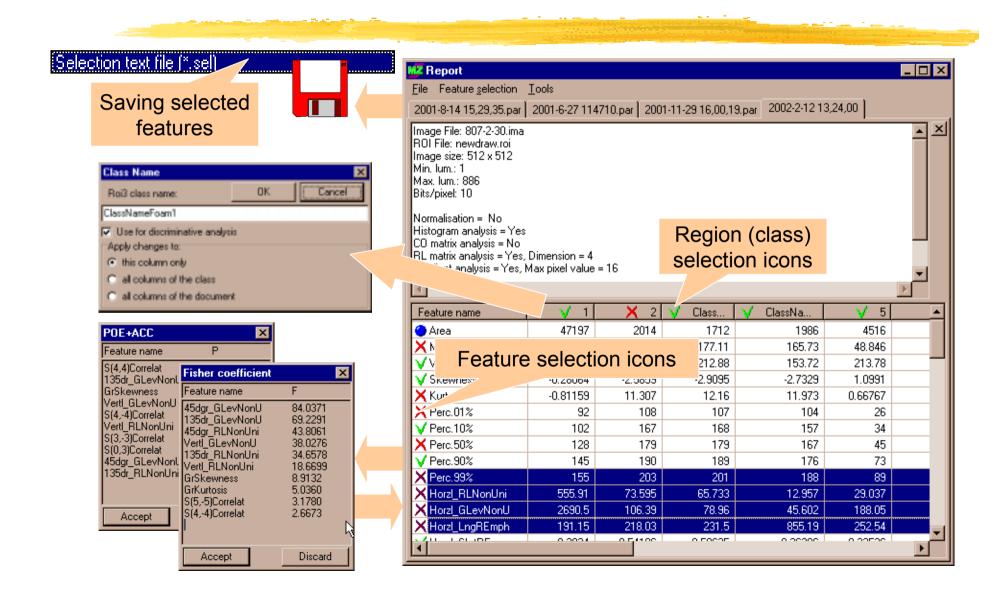
# Feature maps window



## Report window (1)



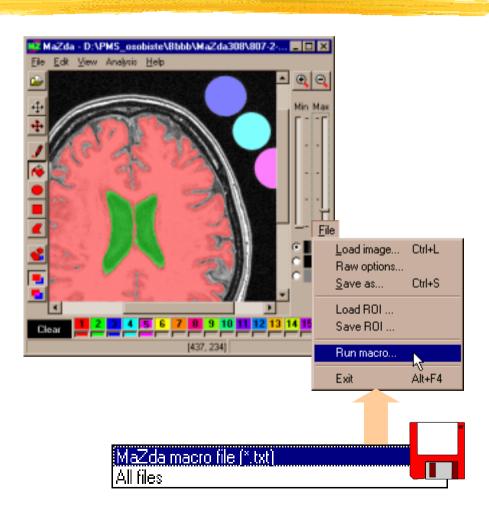
## Report window (2)



#### **Automation of analysis**

#### Script language commands:

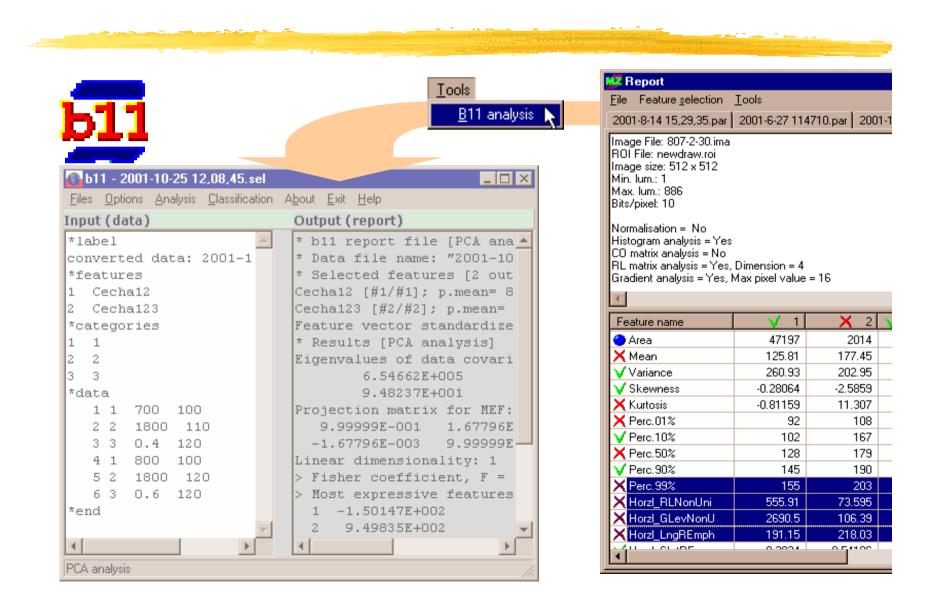
```
LoadImage file_path_and_name
LoadROI file_path_and_name
LoadOptions file_path_and_name
RunAnalysis
SaveReport file_path_and_name
CloseReport
SaveMap file_path_and_name
CloseMap
/ and ; for remarks
```



Script example

Automation example

#### **Further analysis**



#### **Shareware version**

