Wood Image Classification

Initial Results

# Research question

Given annotated microscopy images of section(s) from different, mostly CITES listed, wood species, can we automatically classify the species of a new microscopy image?

# Data

A very small annotated dataset was available – 27 images in TIF format. Of them only 19 could be used, because were of species with more than 1 image. Those 19 images were converted to PNG (to make usage of existing software easier). They corresponded to 10 species, each specie was represented by 2 images and only 1 - by 3.

## Species list (used)

The list of species, represented by more than 1 image, sometimes of different microscopy resolution (the number of images | and image resolutions are given in brackets):

1. Argania spinose (3| 200 m)
2. Brazzeia congo (2| 500m)
3. Brazzeia soyaux (2| 500m)
4. Chrys afr (2| 200m)
5. Citronella sylvatica (2| 1x 500m & 1x 200m)