## An overview of the bioinformatic pipelines for metabarcoding data analyses



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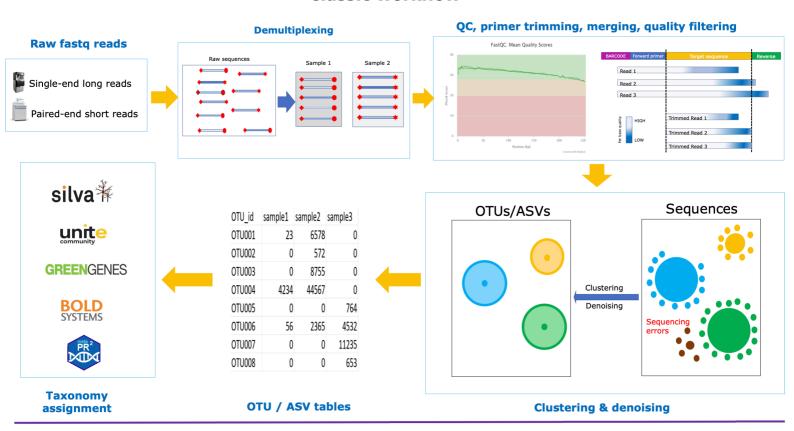




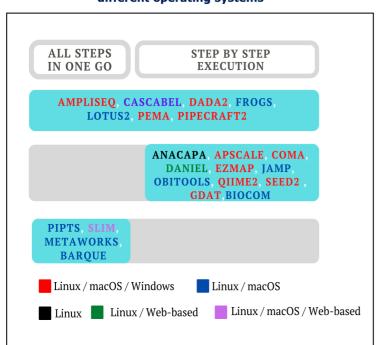


- Overview of the 22 pipelines for metabarcoding data analysis
- Since metabarcoding approach has become widely applied in research, the pipelines development has bloomed
- The plethora of pipelines: Enables to select the most appropriate one or makes the selection even more challenging?

## Classic workflow



## The framework of pipelines and compatibility with the different operating systems



- Differences between the pipelines are primarily due to the different clustering/denoising and quality trimming tools implemented (running
- Nevertheless, pipelines designed for the same task produce similar results
- The pipeline choice depends on the marker gene, the used sequencing platform, the operating system available for data analyses, and user preferences to use GUI (graphical user interface) or CLI

## Pipelines 'similarity based on the implemented tools

