New developments in Scipion 3.0: consolidating the project as a collaborative software framework.

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Scipion has become a collaborative software framework where developers in different locations contribute to the project. One of its main advantages is that it provides Cryo-EM users with a unified platform where they can easily use and combine different software packages. With Scipion 3, we are consolidating the framework for future challenges and growing. We are in the process of completely migrating the project to Python 3, while improving the general design and performance of the system. At the same time, many new scientific tools have been added in the form of plugins. For example, several tomography programs will be available in the next release, as well as some tools for helical processing. Localized reconstruction tools have also been implemented as a plugin and have been enhanced in the new version. Additionally, some work is in progress to add some crystallography programs (DIALS and XDS).