



WHAT IS DATALAB?

- Open-source platform for processing and visualizing data:
 -  1D signals or  2D images



- Built on Python and scientific libraries



FEATURES

- 150+ processing and I/O features
- Workspace for manipulating data and easily prototyping a processing sequence
- Straightforward interface
- Communication with your IDE or notebook, for reusing your own libraries

EXAMPLES OF TECHNICAL DOMAINS

- Plasma experiments on the Laser Mégajoule facility 
- Research/education in Optics and Photonics 

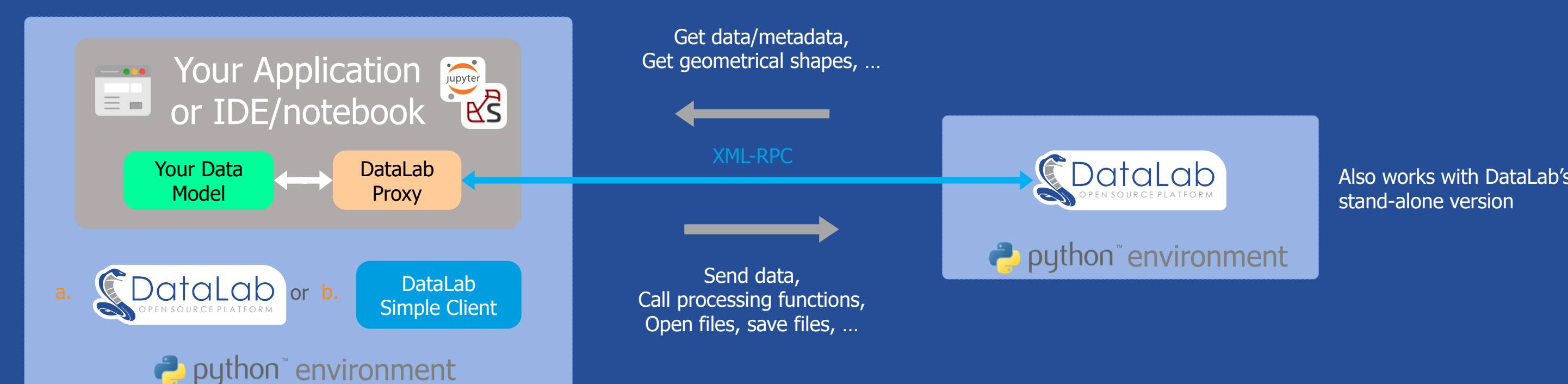
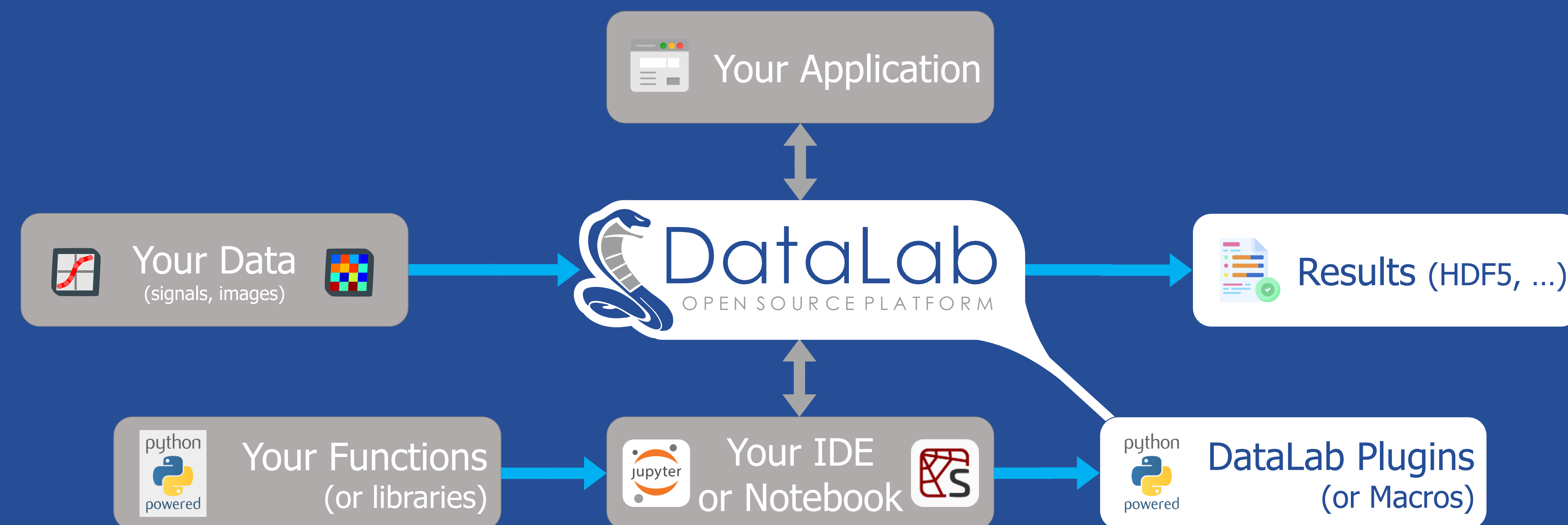
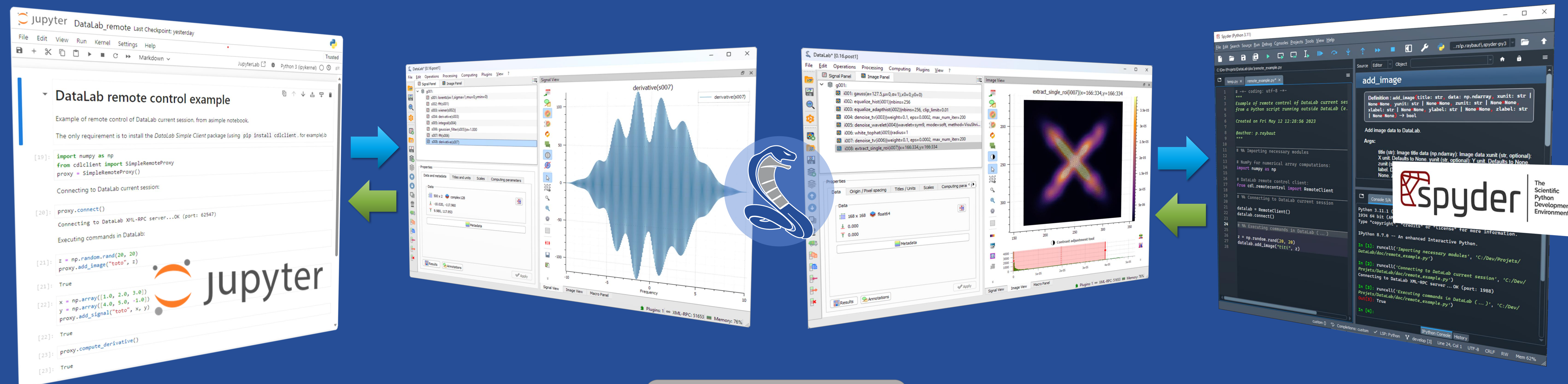
FOUR KEY STRENGTHS

- Extensibility:** (with Python scripts)
 - Plugins
 - Macro-commands
- Interoperability:**
 - Embeddable
 - Remotely controllable
- Automation:**
 - High-level public API
 - Remotely controllable
- Maintainability and testability:**
 - Industrial-grade software
 - 90% automated test coverage

DataLab

USE CASES

- Processing/visualizing **your** signals and images
- Prototyping **your** processing pipeline
- Debugging **your** processing application
- Enhancing **your** application with processing features



DataLab's web site



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