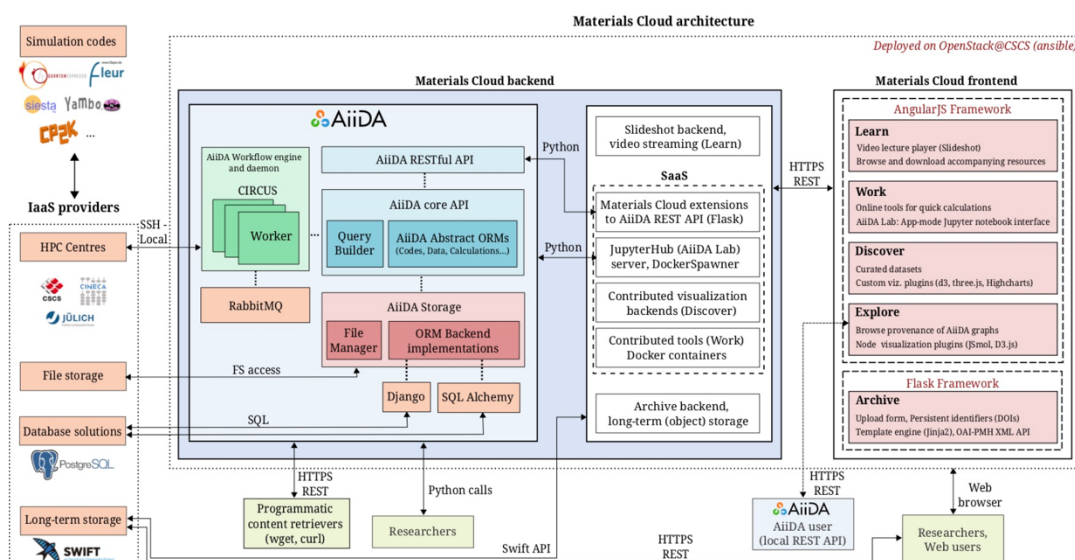


# An operating system and a dissemination platform for computational science

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I will briefly describe the vision and implementation behind AiiDA [1], an informatics platform for computational science built around the four pillars of Automation, Data, Environment, and Sharing, and aiming to enable reliable, persistent, and searchable high-throughput calculations of complex properties, and of the Materials Cloud [2], a dissemination platform to archive and explore raw and curated data sets, while also providing user services and educational tools [3].



## References

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- [2] <http://materialscloud.org>
- [3] G. Pizzi, Open-Science Platform for Computational Materials Science: AiiDA and the Materials Cloud. [https://link.springer.com/referenceworkentry/10.1007/978-3-319-42913-7\\_64-1](https://link.springer.com/referenceworkentry/10.1007/978-3-319-42913-7_64-1)