## Journées Julia et Optimisation



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## Tutorial on graphs in Julia

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The Julia graphs ecosystem has emerged as a worthy competitor to alternatives in other languages (eg. Python's networkx), promising to combine ease of use with scalability. Unfortunately, it contains a large number of packages with very different purposes, and navigating them can be tricky at first. In this tutorial, I will provide an overview of the ecosystem, highlighting the general interface introduced by Graphs.jl and its numerous extensions. I will then demonstrate how optimization algorithms on graphs can be implemented, both with and without JuMP.jl.

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