

Applying Machine Learning to Overhead Imagery: FOSS4G International 2019 Workshop



Solaris

From cosmiQworks®

Why do we need ML if we (often) have great base maps?

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Hurricane Harvey: a disaster response use case



Faster Solutions Are Required

70+

Days to Completely Map

5,300+

Volunteer Mappers

950,000

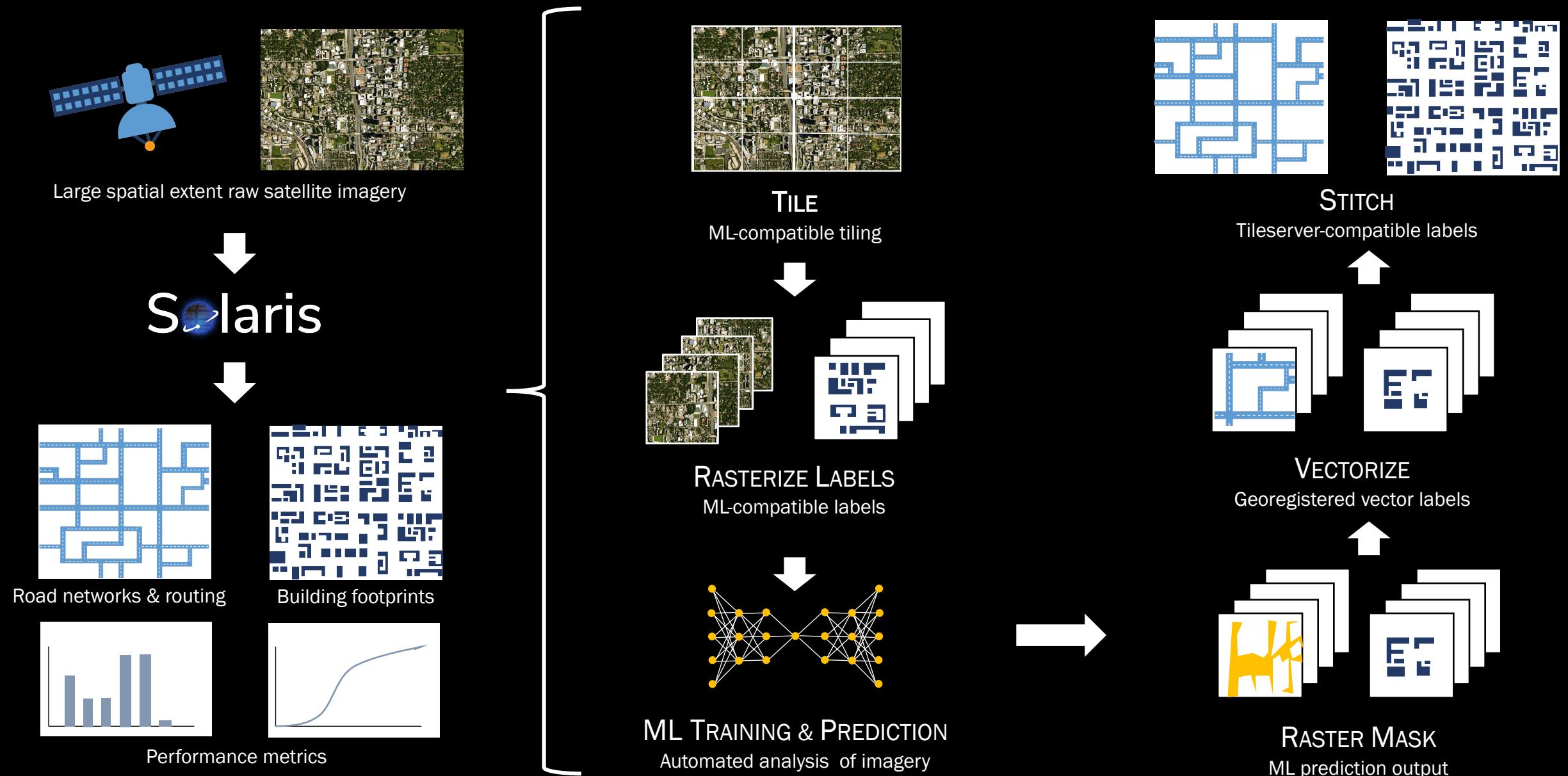
Building Labels

30,000

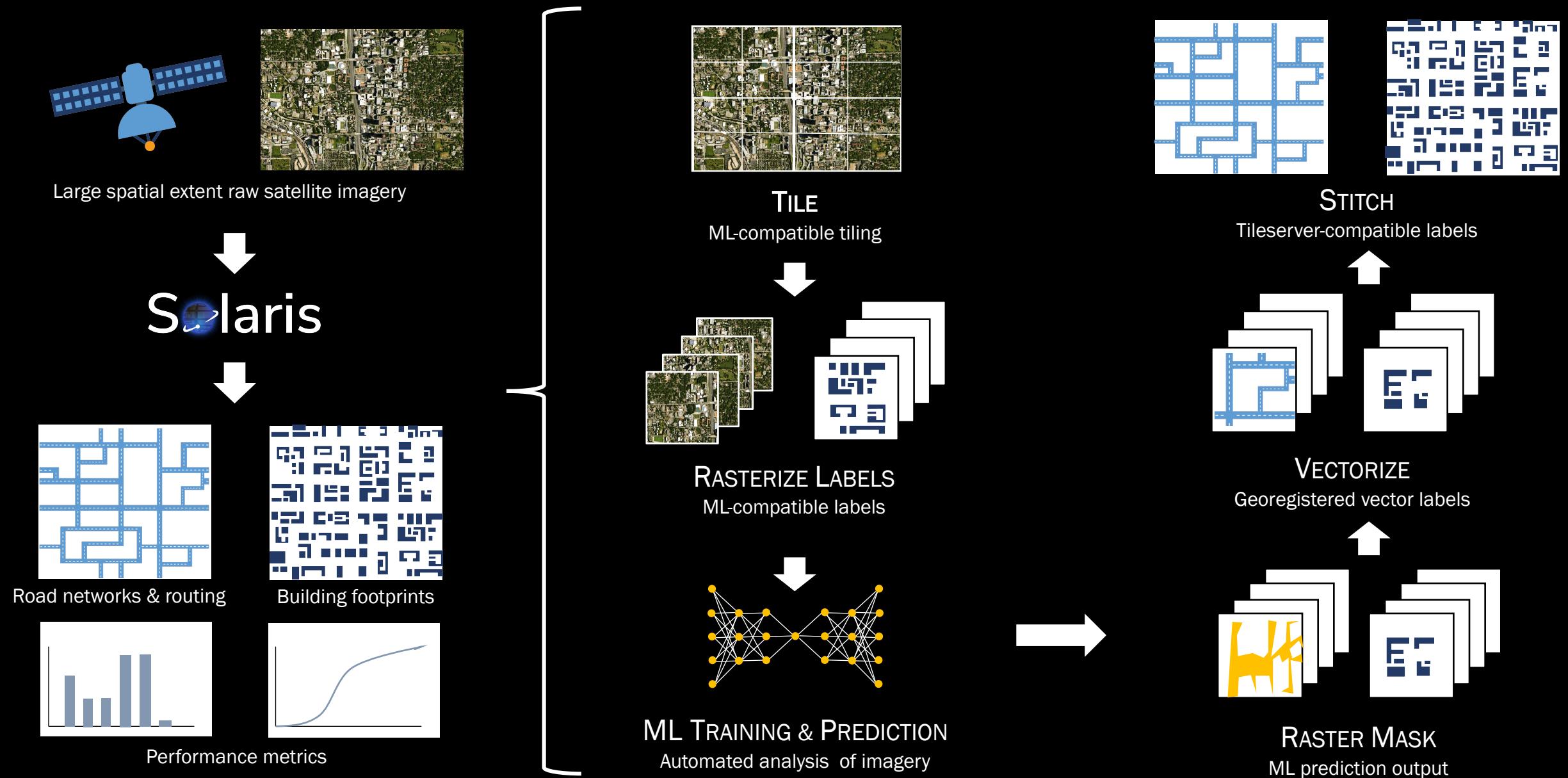
Kms of Road Labels

Required to Map Puerto Rico After Hurricane Maria

Applying ML to overhead imagery: the Solaris pipeline



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Getting started

Log into your JupyterLab session and open the first notebook.