bit.ly/leaflet-iiif-2016

Leaflet-IIIF

plugins and extensibility with IIIF

Jack Reed | @mejackreed | Stanford University

https://github.com/mejackreed/Leaflet-IIIF

CC BY SA

What is this Leaflet thing?

- Leaflet-IIIF is JavaScript plugin for the interactive map library Leaflet

- It allows you to create performant interactive images using IIIF Image API endpoints

- leafletjs.com/

Leaflet-IIIF - Basic example

https://bl.ocks.org/mejackreed/b0aba2ff6f5a54f197767313fbc5a26e
bit.ly/leaflet-iiif-basic

So what is so special about Leaflet?

“Leaflet is designed with simplicity, performance and usability in mind.”

- leafletjs.com

- > 200 contributors
- Very lightweight < 40Kb
- Chrome, Firefox, Safari +5, Opera +12, IE 7-11 Support
- Excellent mobile support
- Accessibility
- OOP principles
- No external dependencies

But the big advantage…

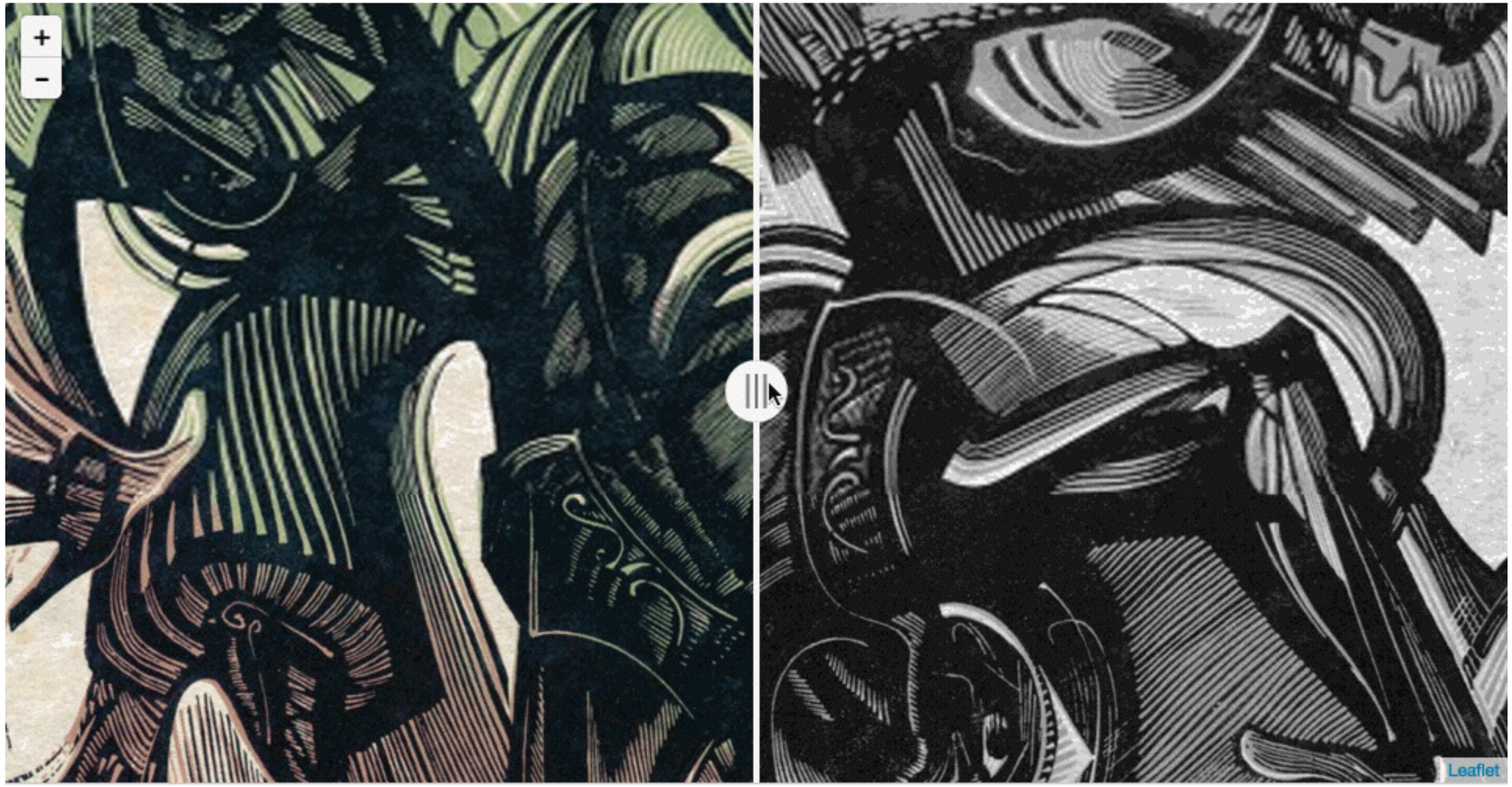
Plugin architecture with over

300 plugins

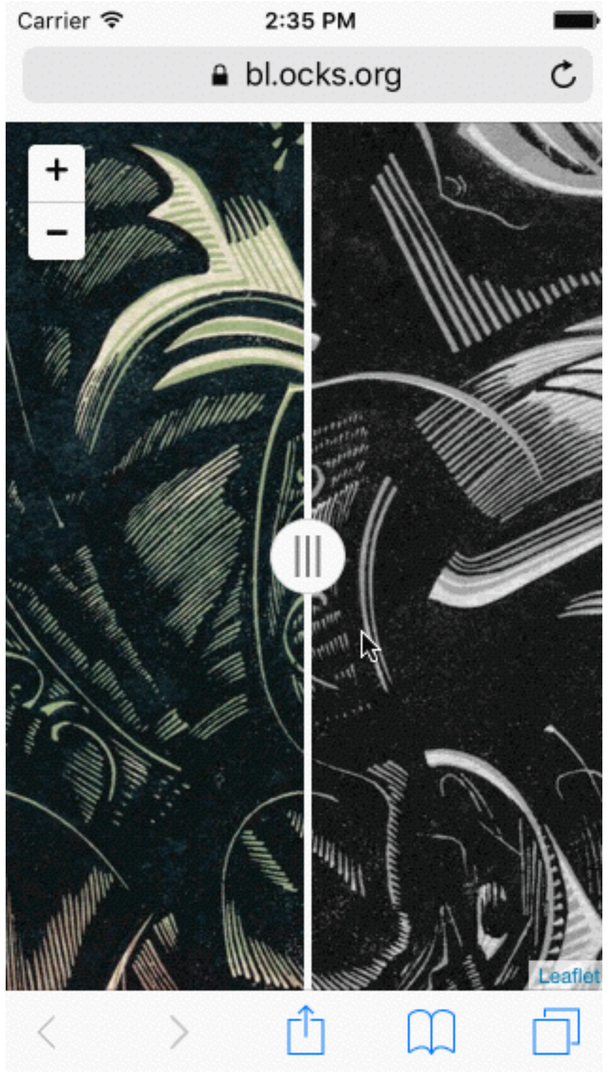
Leaflet-IIIF leverages the plugin architecture to create advanced functionality with a lightweight core

You can also use Leaflet-IIIF with other Leaflet plugins!

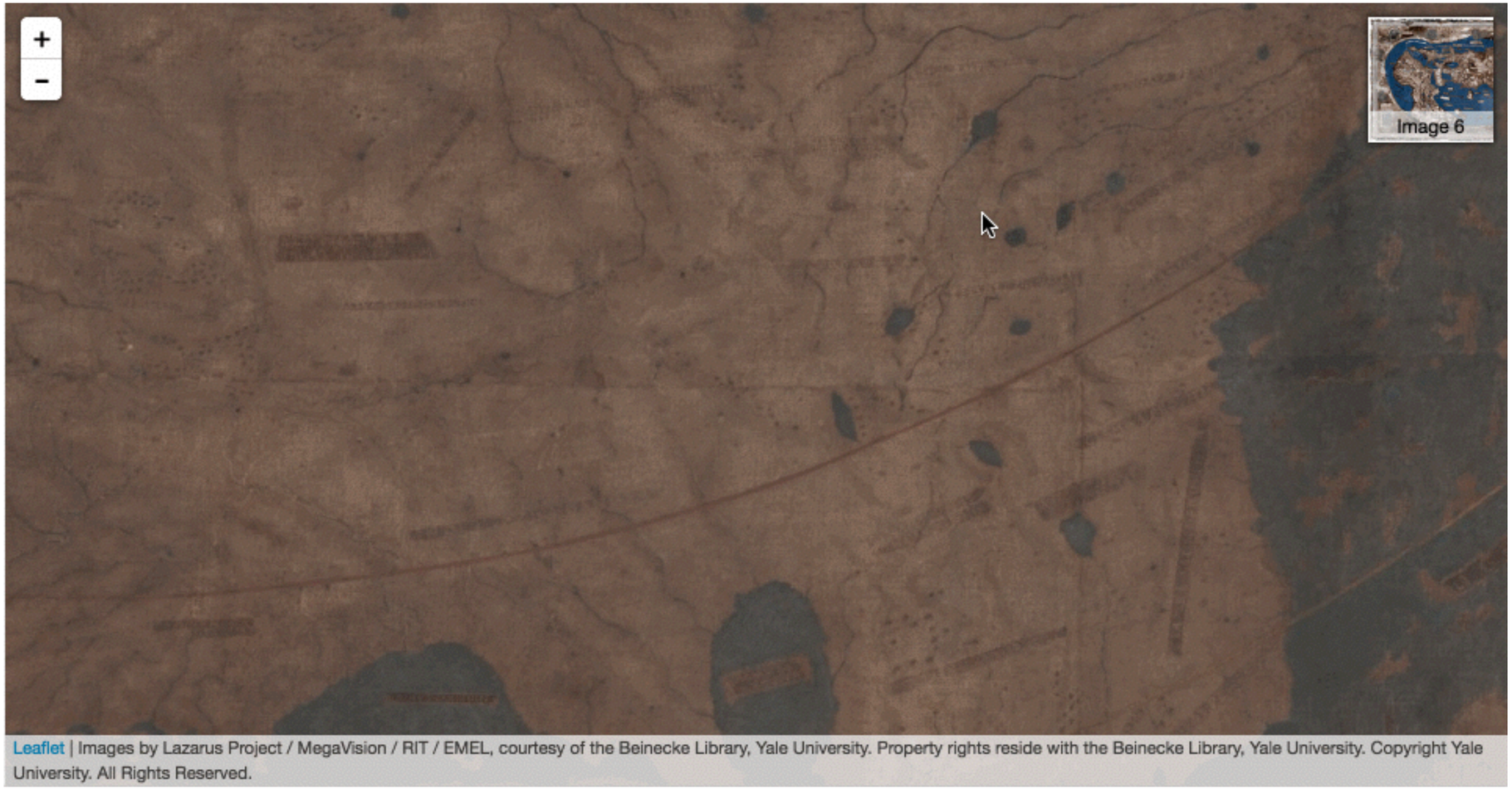
Leaflet-IIIF - Side by side example



https://bl.ocks.org/mejackreed/80c4248278517475a30190b427cb5c9c
bit.ly/leaflet-iiif-side-by-side

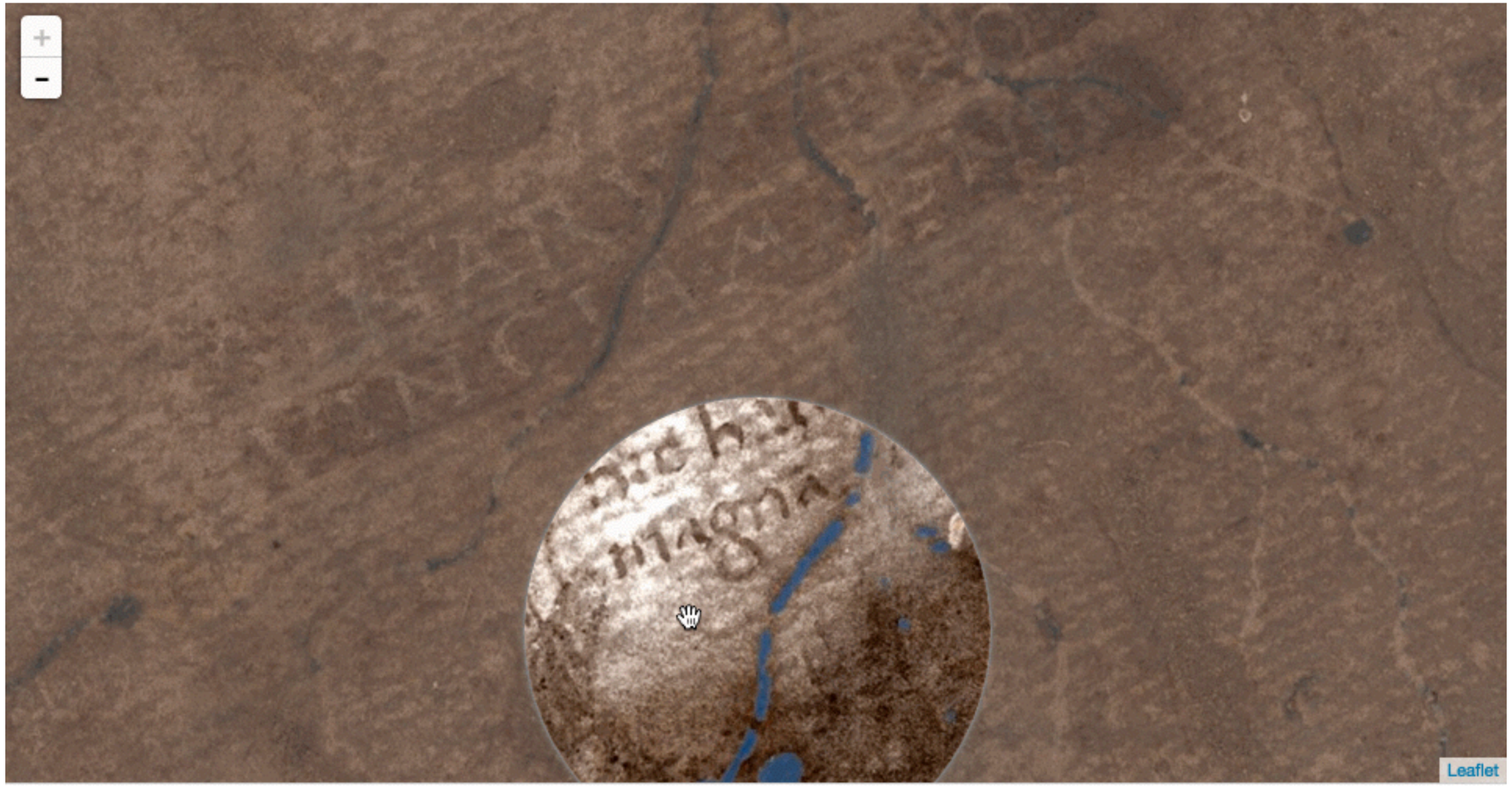

Carrier
2:35 PM
bl.ocks.org
+
−
Leaflet

Leaflet-IIIF - Martellus map using IconLayers example



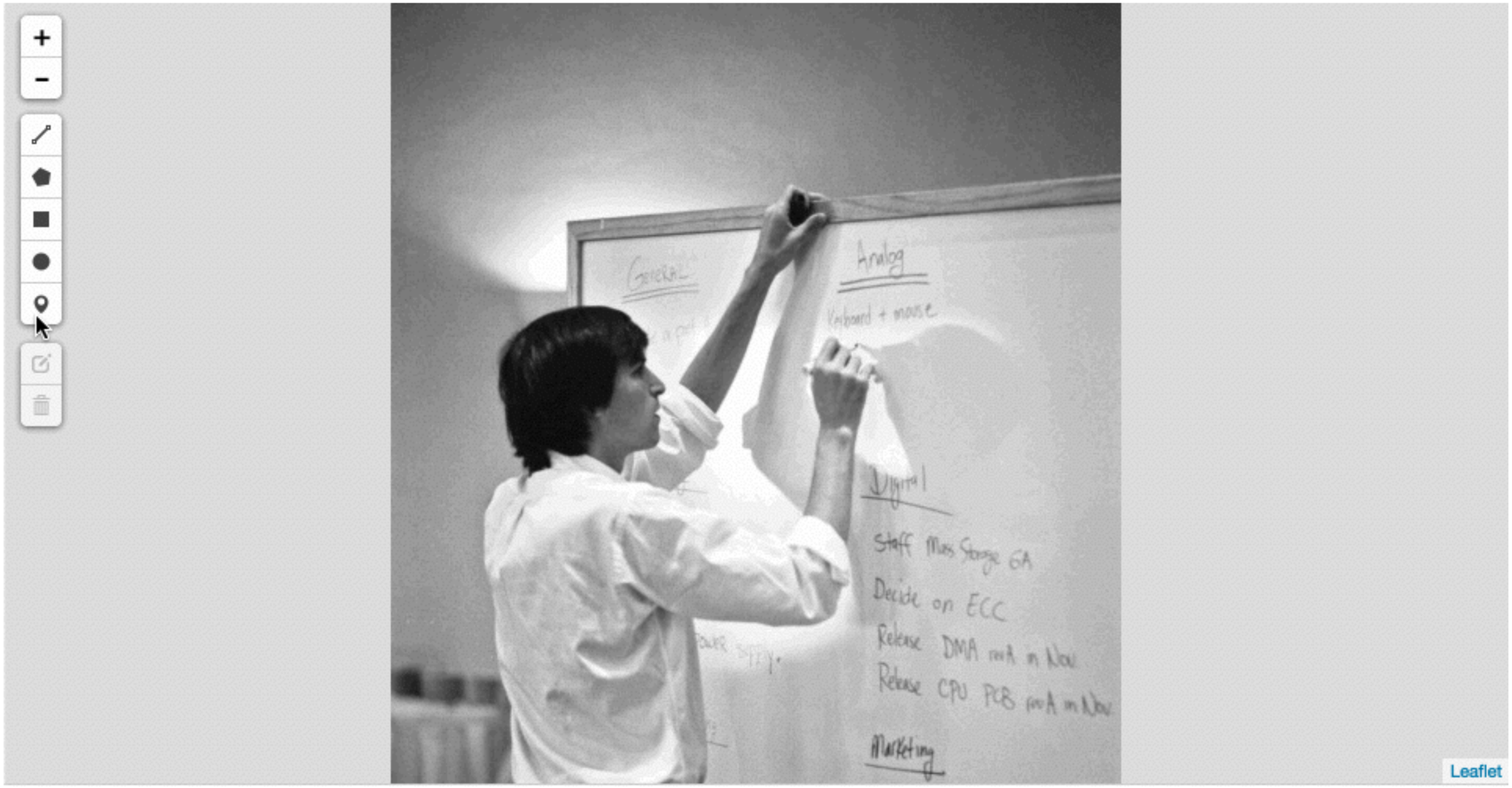
https://bl.ocks.org/mejackreed/6e3fb8e69189dadb4be7d0926a6a14a5
bit.ly/leaflet-iiif-icon-layers

Leaflet-IIIF - Martellus map using Magnifying glass example



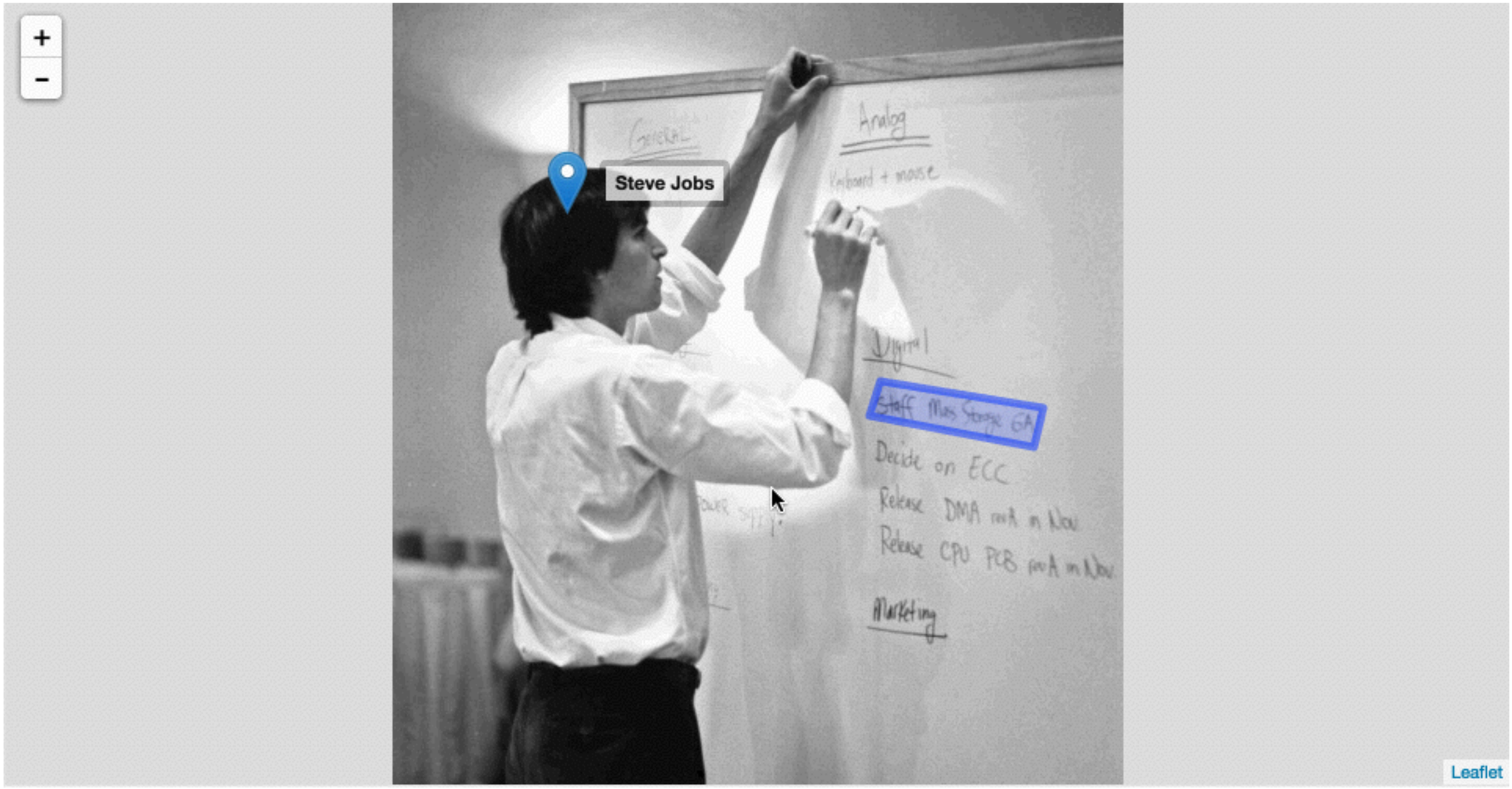
https://bl.ocks.org/mejackreed/f3904b28bb99abea32951f04ce6eb4cd
bit.ly/leaflet-iiif-icon-layers

Leaflet-IIIF - Draw example



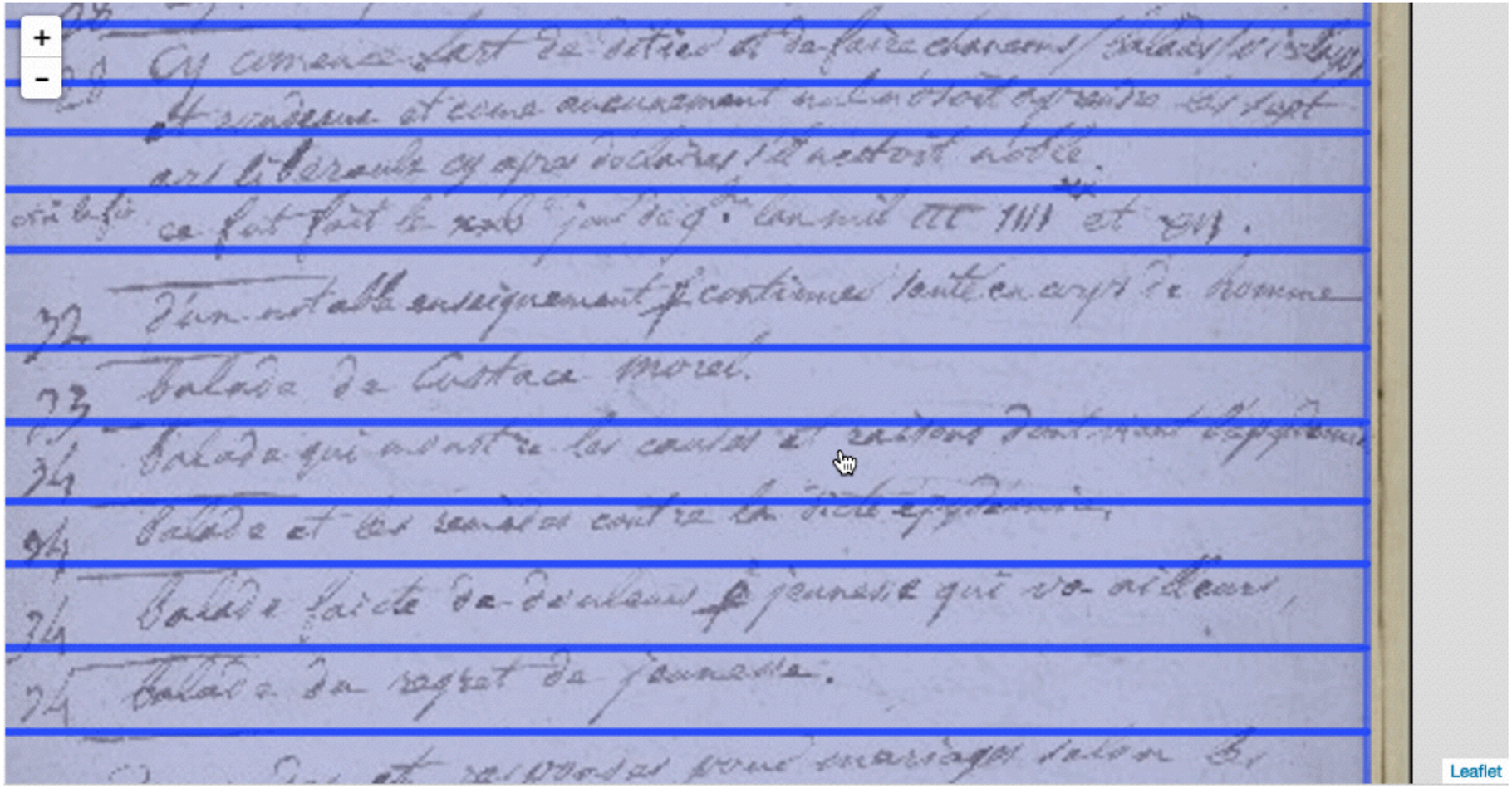
http://bl.ocks.org/mejackreed/462e89092ce71ae7dd09e6074d60f2e0
bit.ly/leaflet-iiif-draw

Leaflet-IIIF - Label example



http://bl.ocks.org/mejackreed/68092c44c95ef31fefcfe6f683116f77
bit.ly/leaflet-iiif-label

Leaflet-IIIF - Annotation example



http://bl.ocks.org/mejackreed/2724146adfe91233c74120b9056fba06
bit.ly/leaflet-iiif-annotation

Thank you

@mejackreed

https://github.com/mejackreed/Leaflet-IIIF

Code examples available at:
http://bl.ocks.org/mejackreed