

# Conveying Uncertainty in Archived War Diaries with GeoBlobs

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## sources of uncertainty

lost pages, misspellings, unreadable

reliability of transcribers, typos

ambiguous placenames

literal spatio-temporal mapping of location sequences

tagging of handwritten diaries and extracting information

Date

Time

Placename

Person

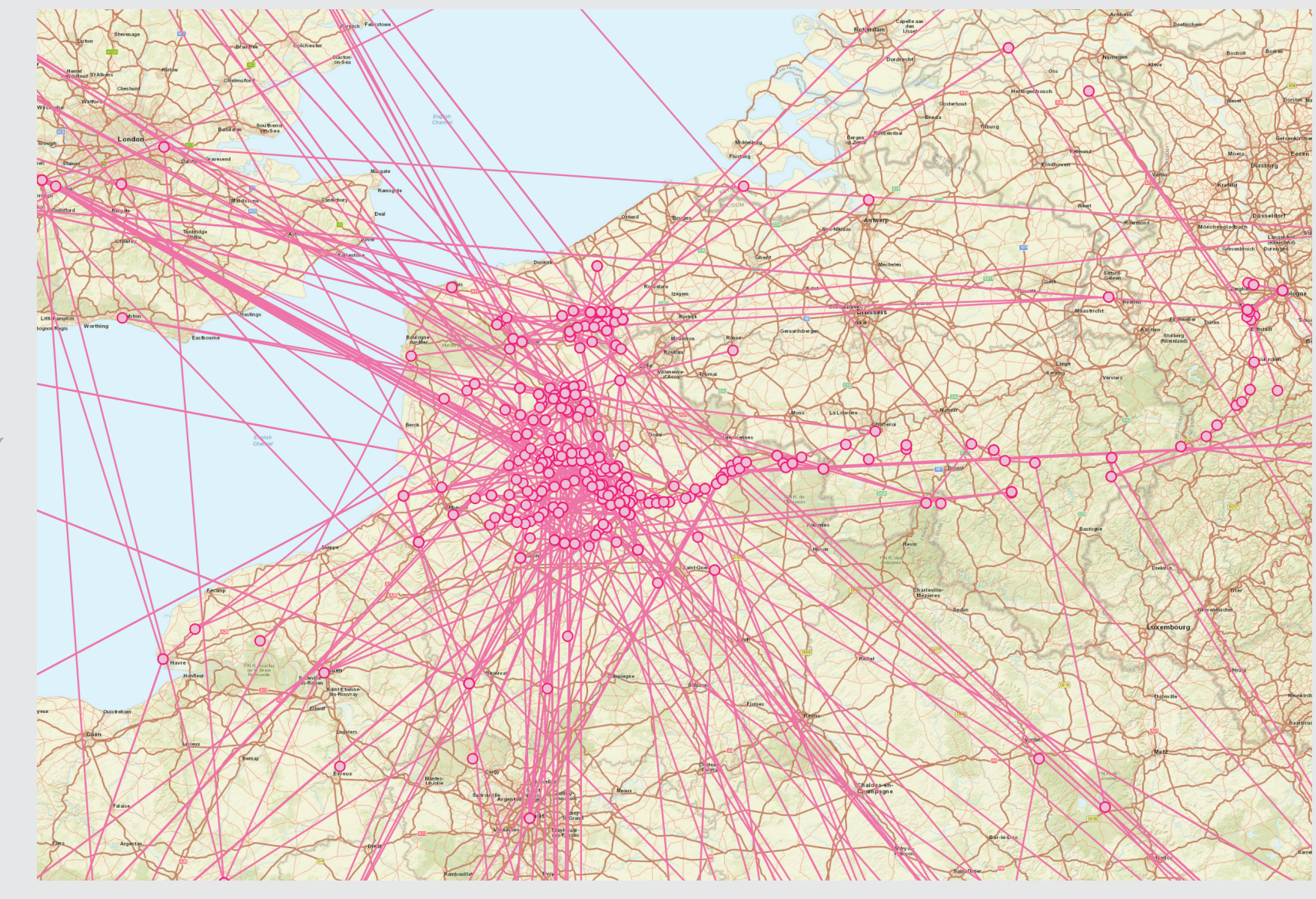
Unit Activity

Army Life

geo-referencing placenames



www.geonames.org  
photon.komoot.de



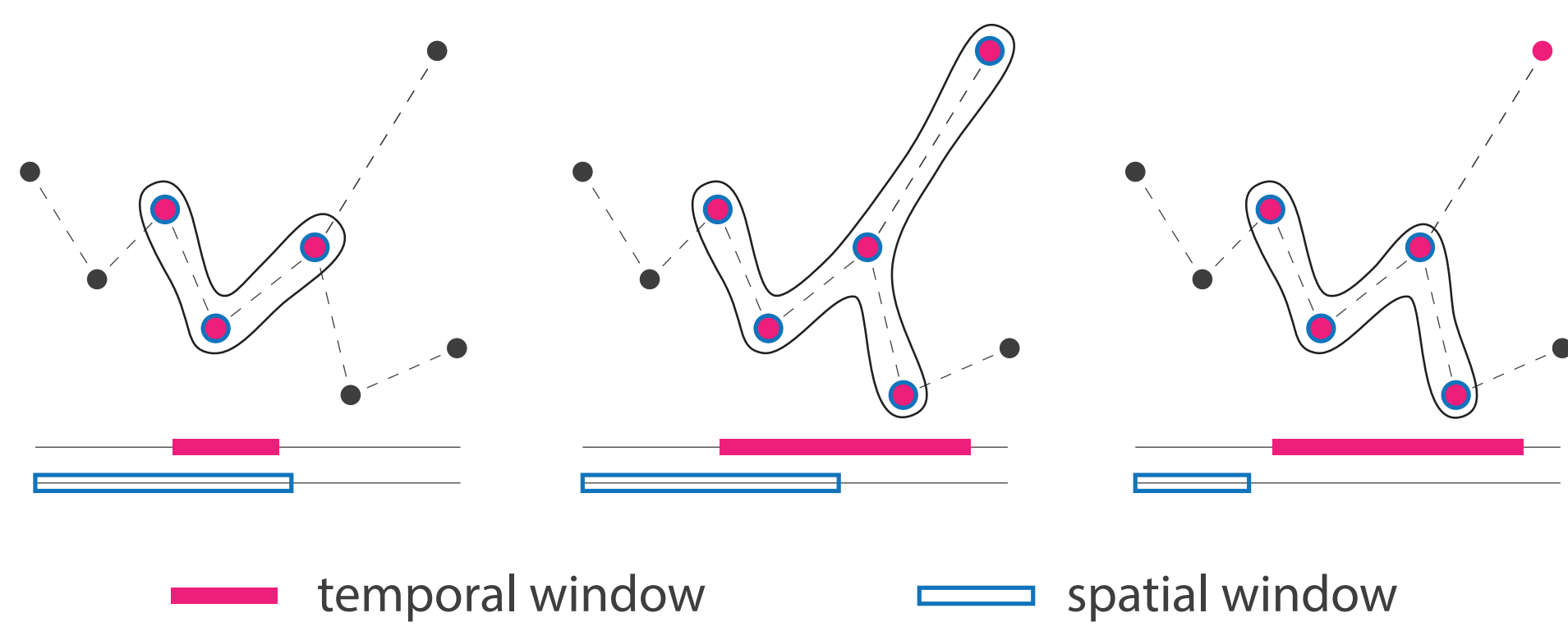
alternative?

crowdworking platform:  
www.operationwardiary.org

## GeoBlob Design Variations

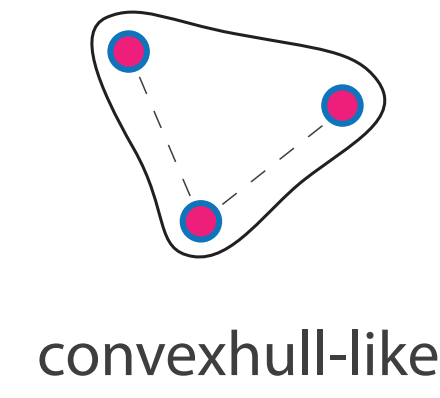
### Temporal and Spatial Window

criteria for the inclusion of locations for GeoBlob generation



### Shape Parameters

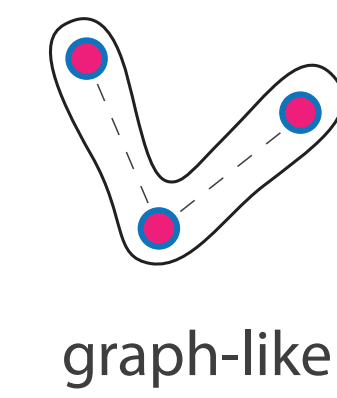
type



convexhull-like

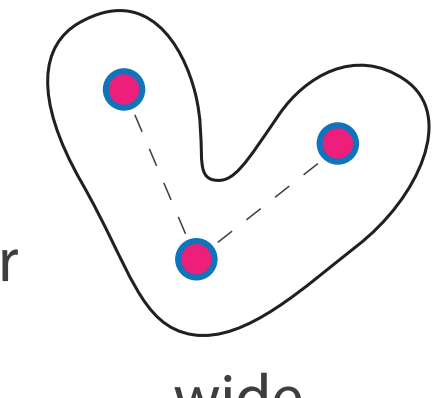


skeleton-like

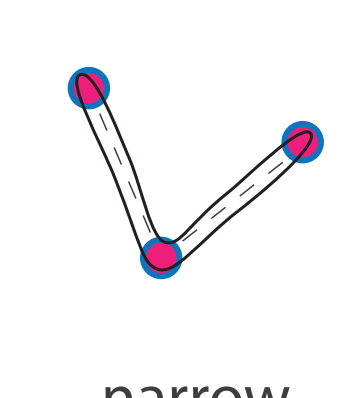


graph-like

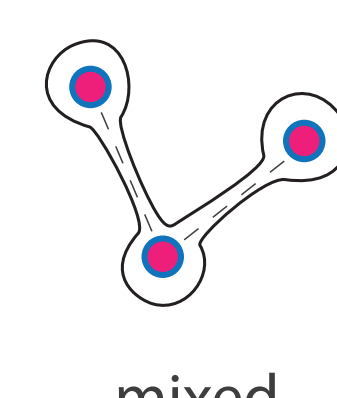
node and edge buffer



wide



narrow



mixed

### Style Parameters

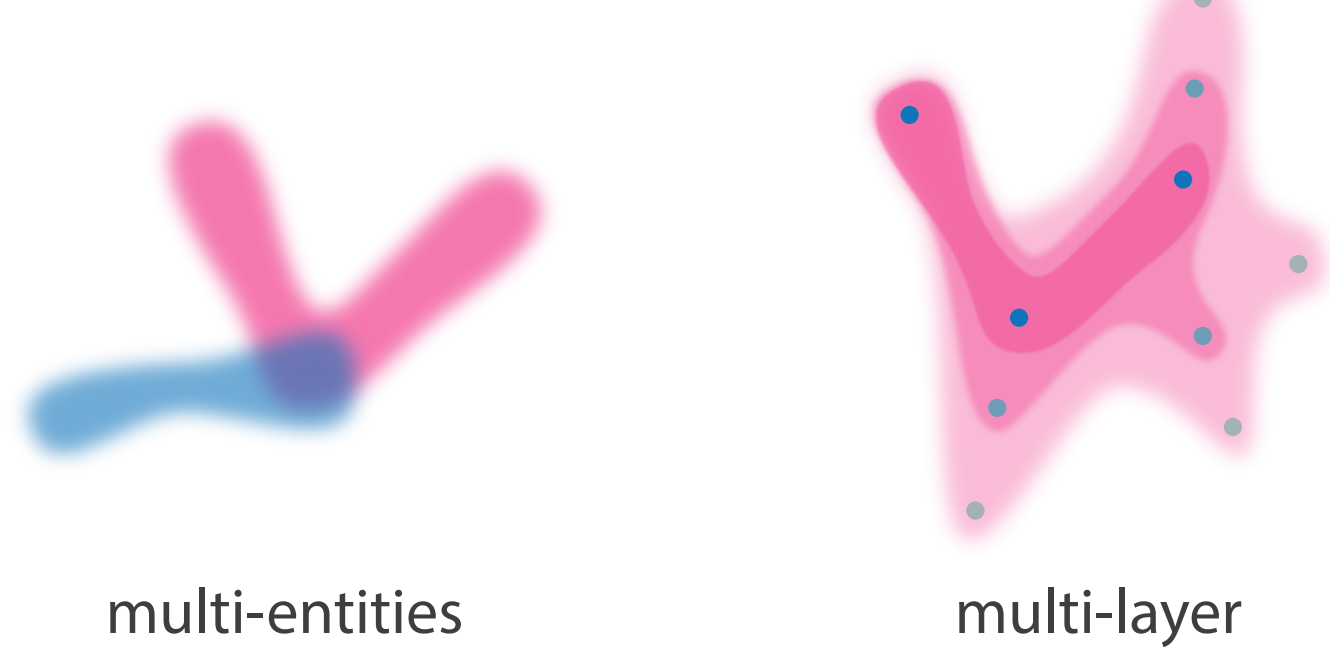
stroke



fill



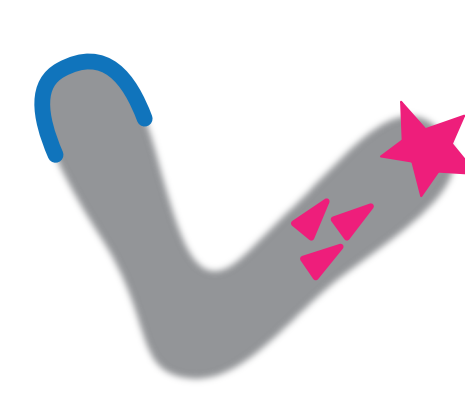
### Multiple Shapes



### Contextualization



motion



stroke/fill/overlay

### Pros & Cons

- + leverage uncertainty
- + provide "organic" view
- + suffer less from scalability issues
- interpretability issues of covered area

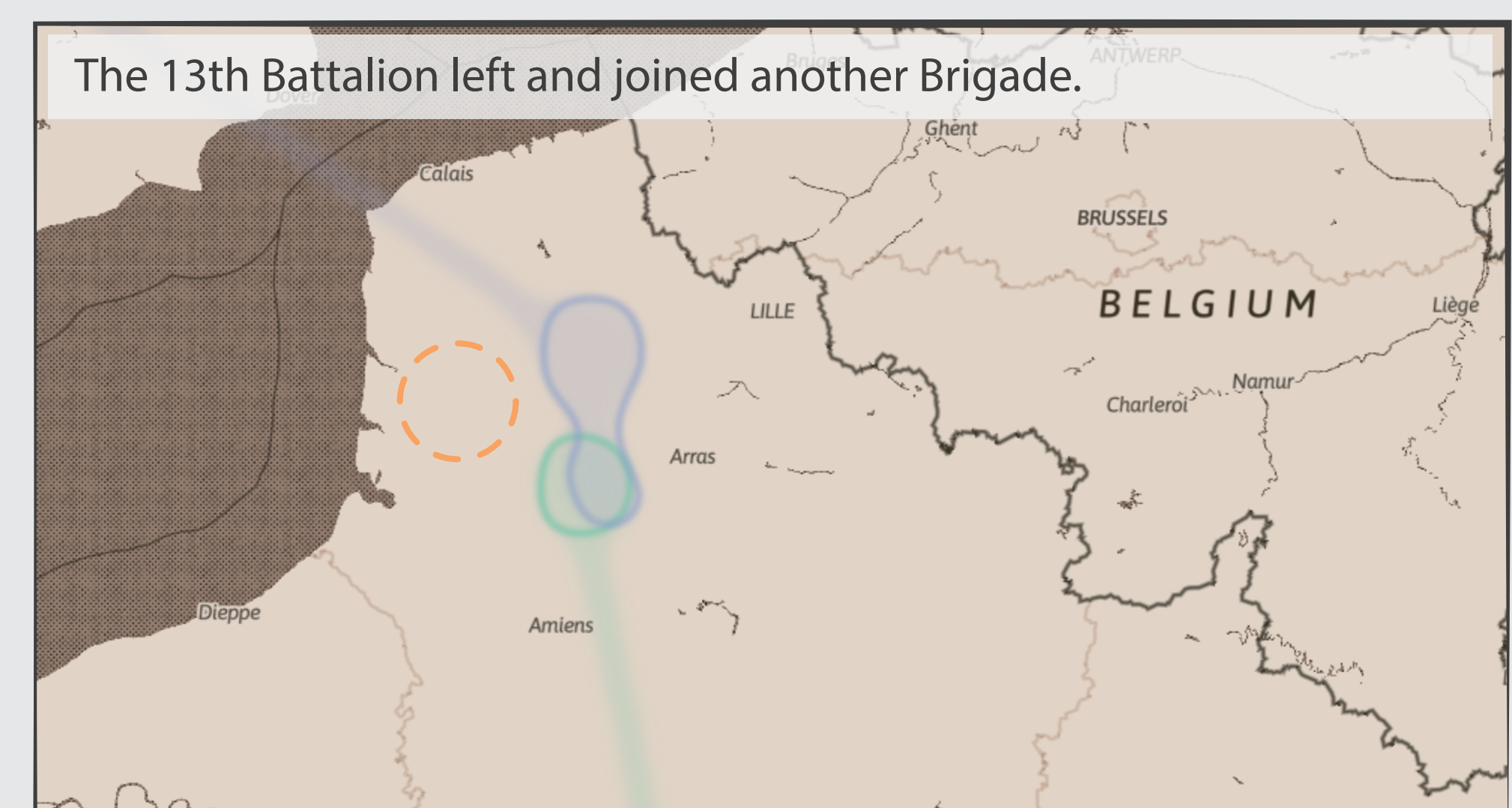
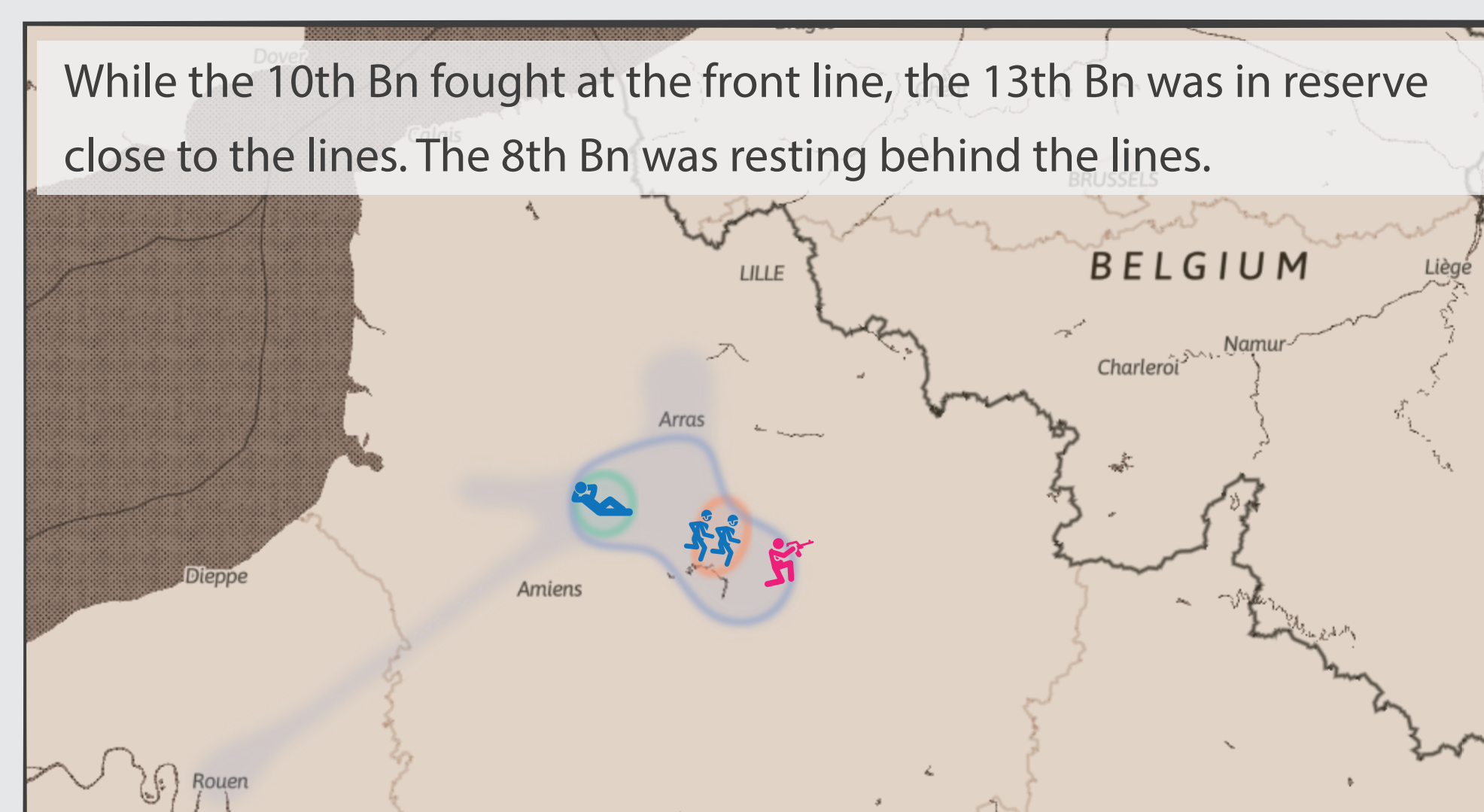
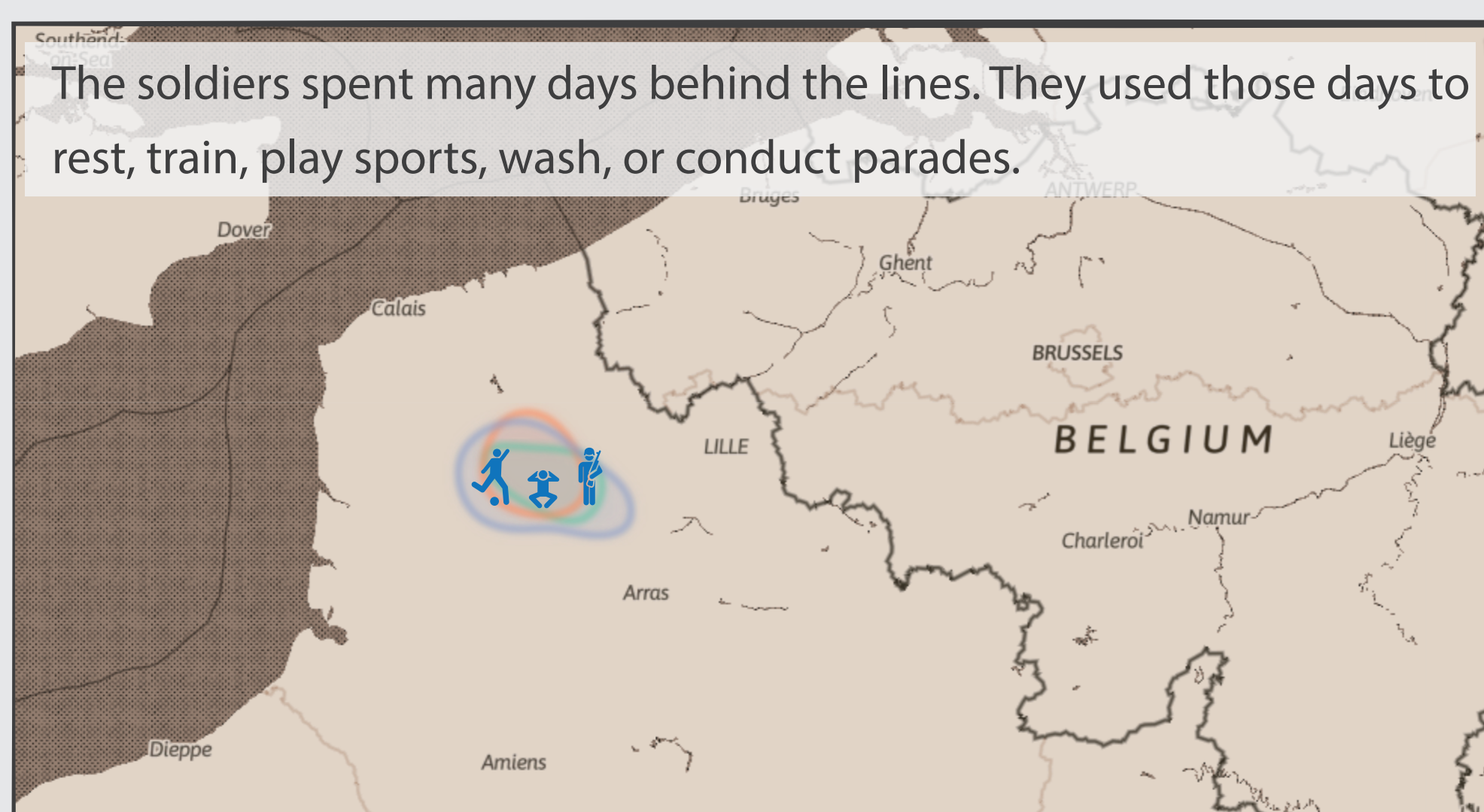
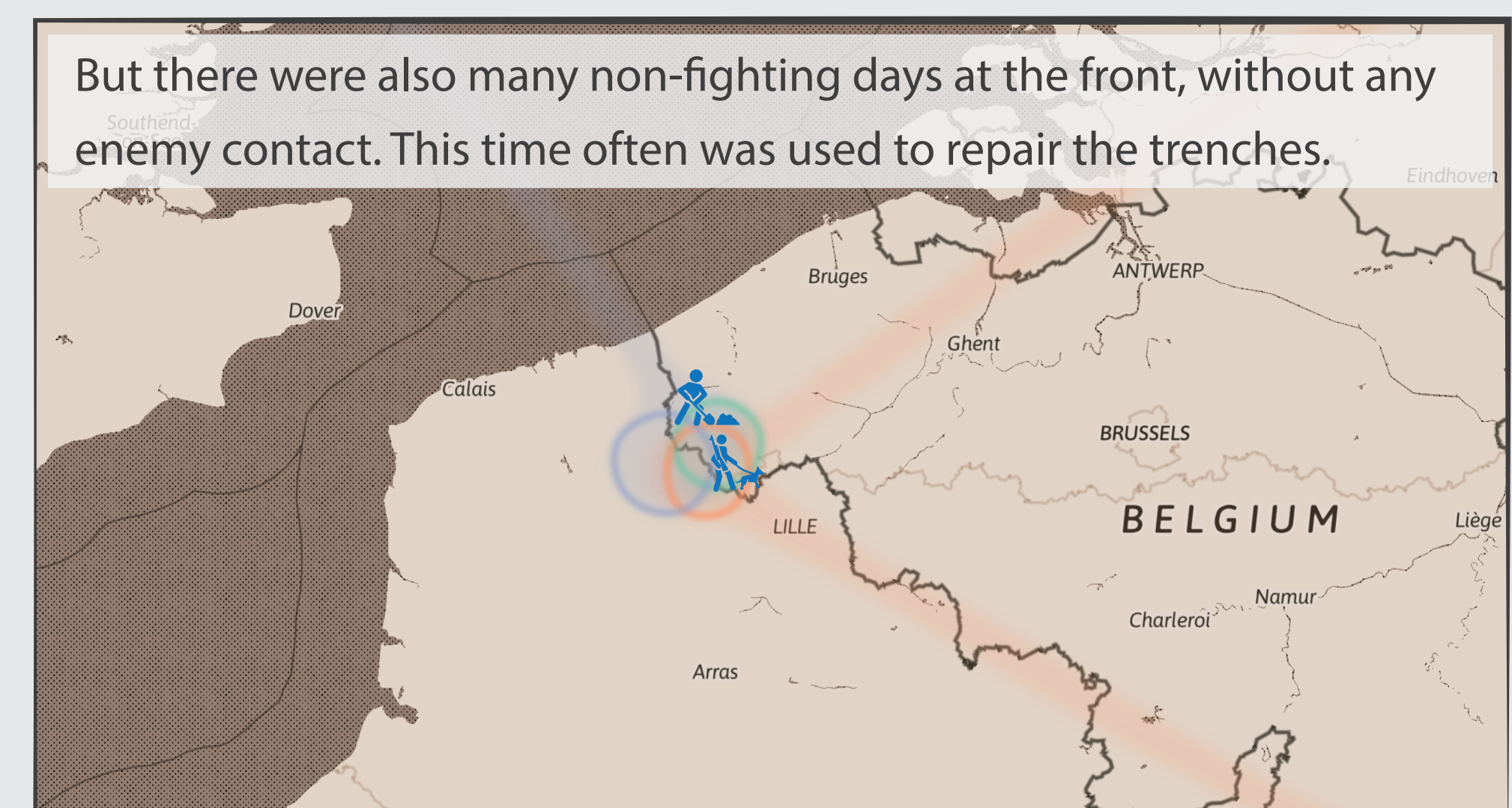
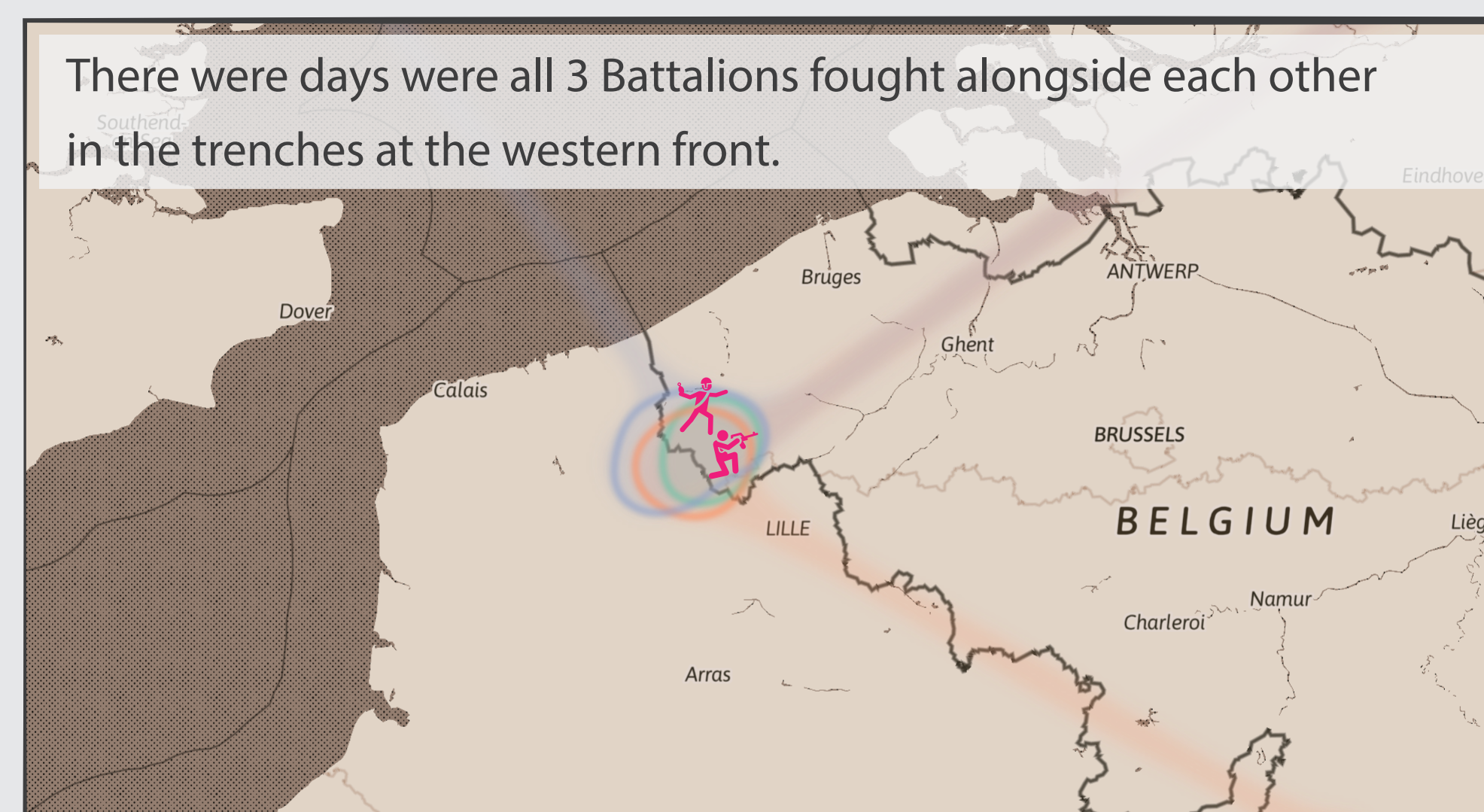
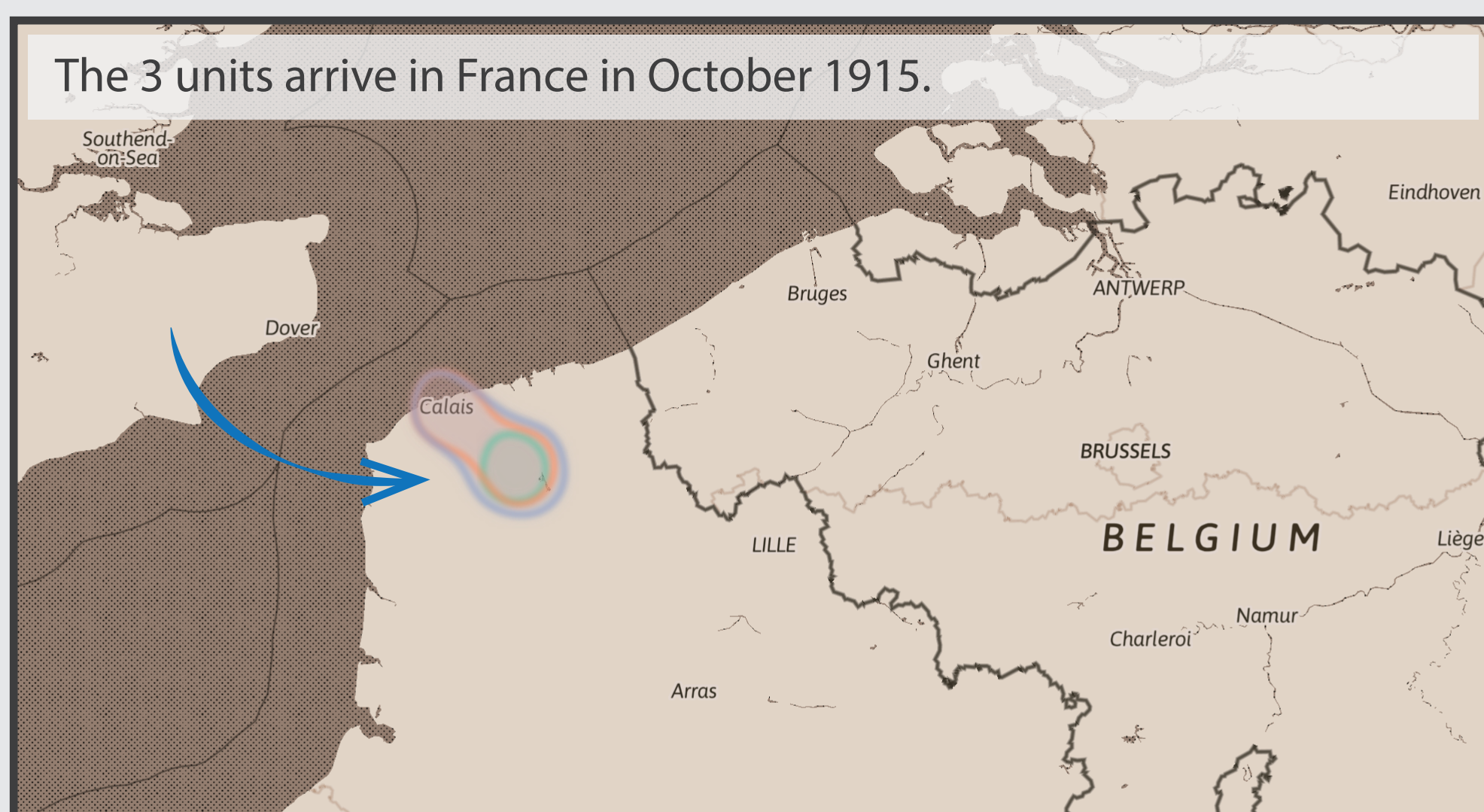
## Day-to-Day Life of 3 Battalions of the 3rd Division during WWI.

The 3rd Division was one of the first British formations to move to France and one of the first into

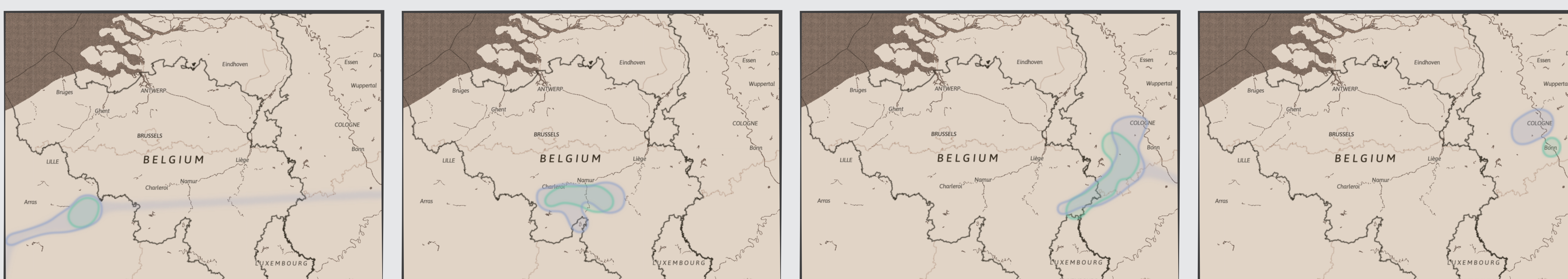
action, remained on the Western Front throughout the war. Aside the days **fighting** in the trenches

the soldiers spent a large amount of time behind the lines engaging in many **non-fighting** activities.

- 8th Bn, King's Own Royal Lancaster Regiment
- 10th Bn, Royal Welsh Fusiliers
- 13th Bn, Kings's Liverpool Regiment



Parts of the 3rd Division were selected to advance into Germany and form part of the Occupation Force after the war in early 1919.



### InfoVis Best Poster Award

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- [@johliem](https://twitter.com/johliem)