



HafenCity University Hamburg

University Of The Built Environment And Metropolitan Development

**Seminar GIT**

## **Topic 2: Story Maps**

Study program:

**Geodesy and Geoinformatics**

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June 7, 2022

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## Bibliography

- Aladag, E. (2014). An evaluation of geographic information systems in social studies lessons: Teachers' views. *Educational Sciences: Theory and Practice*, 14(4), 1533–1539.
- Strachan, C., & Mitchell, J. (2014). Teachers' perceptions of esri story maps as effective teaching tools. *Review of International Geographical Education Online*, 4, 195–220.
- Egiebor, E. E., & Foster, E. J. (2019). Students' perceptions of their engagement using gis-story maps. *Journal of Geography*, 118(2), 51–65. <https://doi.org/10.1080/00221341.2018.1515975>
- Kerski, J. J. (2015). Geo-awareness, geo-enablement, geotechnologies, citizen science, and storytelling: Geography on the world stage. *Geography compass*, 9(1), 14–26.
- Roth, R. E. (2021). Cartographic design as visual storytelling: Synthesis and review of map-based narratives, genres, and tropes. *The Cartographic Journal*, 58(1), 83–114. <https://doi.org/10.1080/00087041.2019.1633103>