

Telecoupling GeoApp: Case Studies with Story Maps

March 19th, 2019

Webinar series

Telecoupling: A New Frontier for Global Sustainability



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Telecoupling: A New Frontier for Global Sustainability

- February 19th, 2019: Telecoupling 101: Concepts, Terminology, and Published Case Studies
- February 26th, 2019: Telecoupling Toolbox: Integrated Tools for Sustainability Science
- March 12th, 2019: Telecoupling GeoApp: Cloud-based Platform Overview and Widgets
- **March 19th, 2019: Telecoupling GeoApp: Case Studies with Story Maps**

WEBINAR RECORDINGS AND SLIDES AVAILABLE @

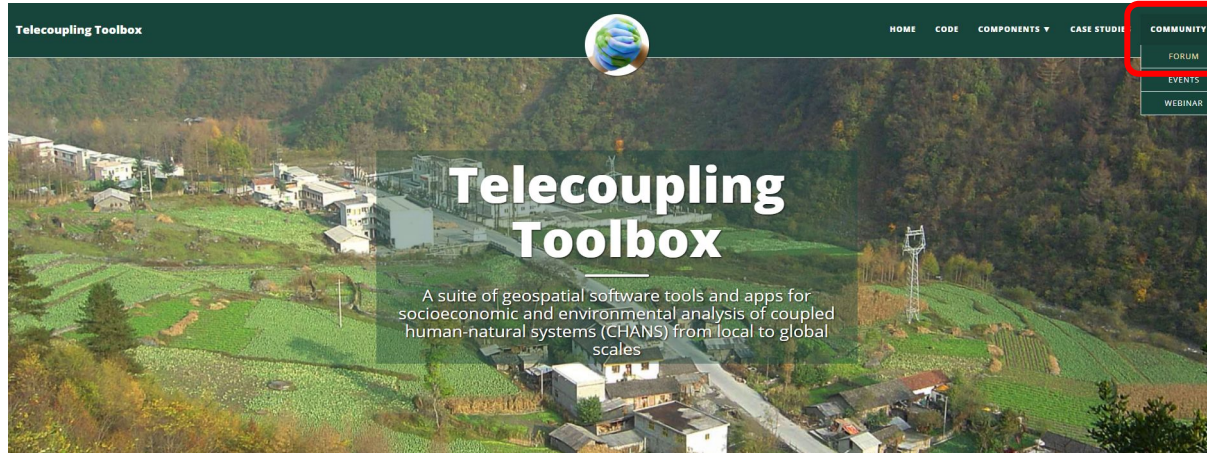
<https://telecouplingtoolbox.org/webinar>



POLL

Online Presence

- <http://csis.msu.edu/telecoupling>
- <https://telecouplingtoolbox.org/>



OPEN
COMMUNITY
FORUM



Telecoupling Toolbox - Open Access

Code is publicly shared and freely available on Github
(<https://github.com/MSU-CSIS/telecoupling-toolbox>)



Telecoupling GeoApp - Main reference

<https://telecouplingtoolbox.org/>

Telecoupling Toolbox

HOME CODE COMPONENTS CASE STUDIES COMMUNITY

ARCGIS TOOLBOX

GEOAPP

Telecoupling Toolbox

A suite of geospatial software tools and apps for socioeconomic and environmental analysis of coupled human-natural systems (CHANS) from local to global scales

Telecoupling GeoApp - Case Studies


<https://telecouplingtoolbox.org/case-studies>

Telecoupling Toolbox

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Case Studies

Example Applications of Telecoupling Analysis using the GeoApp



The Brazil-China Soybean Trade

Environmental and socioeconomic impacts of global soybean trade between China and Brazil within the Mato Grosso region

[More Info](#)

International Tourism at the

LIVE DEMO

Thank you!

Q&A

<https://www.surveymonkey.com/r/YCZLFLH>

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f-tonini (github)

Reference Publications

- McCord, P., Tonini, F., and Liu, J. (2018). Making strides in sustainable development with the Telecoupling GeoApp. *Science Trends*, September 6, 2018. <https://sciencetrends.com/making-strides-in-sustainable-development-with-the-telecoupling-geoapp/>
- McCord, P., Tonini, F., and Liu, J. (2018). The Telecoupling GeoApp: A Web-GIS Application to Systematically Analyze Telecouplings and Sustainable Development. *Applied Geography*, 96, pp. 16-28. <https://doi.org/10.1016/j.apgeog.2018.05.001>
- Tonini, F., and Liu, J. (2017). Telecoupling Toolbox: Spatially explicit tools for studying telecoupled human and natural systems. *Ecology and Society*, 22 (4), pp. Art11. <https://doi.org/10.5751/ES-09696-220411>