



The China Data Lab (CDL) was established in May 2019. The project is proceeding smoothly following the objectives and work plans in the second half of the project year, including customization and enhancement of the CDL platform, developing case studies, organizing training workshops, and building global collaborations.

### 1. China Data Lab Platform

China Data Lab released an enhanced version of the platform in early 2020. The platform is deployed on educational clouds, such as FAS-RC of Harvard University and research cluster of George Mason University, and commercial clouds, such as Azure of Microsoft China and AWS of Amazon. Harvard's Dataverse and WorldMap have been integrated with the CDL platform to manage spatial and non-spatial data and workflow-based case studies. More information is available on the following websites.

- Platform at Harvard University: <http://harvard.chinadatalab.net/>
- Platform on Microsoft Cloud: <http://chinadatalab.org/>

### 2. Case Studies on COVID-19

The project team has been actively building resource repositories for COVID-19 research since January and providing analytical tools on the CDL platform to help collaborating researchers easily and quickly conduct analysis, develop methodology, produce publication, and deliver education relevant to COVID-19. Publishable data is shared on Harvard Dataverse with permanent accessible DOIs, and restricted data is accessible on the CDL platform. As of June 30, 2020, there have been over 200,000 data file downloads from over 150 countries. More Information is available on the following websites.

- Resources introduction on CDL website:  
<https://projects.iq.harvard.edu/chinadatalab/resources-covid-19>
- Resources for COVID-19 research at Harvard Dataverse:  
[https://dataverse.harvard.edu/dataverse/cdl\\_dataverse](https://dataverse.harvard.edu/dataverse/cdl_dataverse)

### 3. Outreach

The China Data Lab team was invited to give introductions to CDL at conferences and universities. Team members also gave presentations at international conferences in Geographic Information Science. The China Data Lab team and researchers at George Mason University are collaborating on COVID-19 research and awarded a NSF RAPID Grant (Grants for Rapid Response Research). The CDL team is also collaborating with global scholars from Oxford University, University of Illinois at Urbana-Champaign, University of

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Washington, and more, in working on COVID-19 data collection, analysis, and publications. More information is available on the following websites.

- Publications: <https://projects.iq.harvard.edu/chinadatalab/publications-0>
- Presentations: <https://projects.iq.harvard.edu/chinadatalab/presentations-0>

### 4. Meeting and Webinar

The CDL project is an initiative in the NSF I/UCRC Spatiotemporal Innovation Center. This Center held its 13th semi-annual Industrial Advisory Board meetings in June of 2020. The CDL team presented the project progress and received high scores and positive feedback from the Industry Advisory Board members. The China Data Lab team jointly organized a series of webinars on COVID-19 research topics weekly since February of 2020, where over 2000 attendees have joined the webinars. The talks include introduction of the CDL platform for sharing data, tools and case studies, promoting efficiency in global COVID-19 research. More information is available on the following websites.

- The 13th IAB meeting reports:  
<https://drive.google.com/drive/folders/1RisSkCWa20-nsMLqIvC96zTFH7qvKj9c?usp=sharing>.
- Webinars: <https://projects.iq.harvard.edu/chinadatalab/conferences>.

### 5. Plan for the next phase

- Continue to collect user feedback on the platform, and enhance the China Data Lab platform based on users' feedback.
- Continue to develop standardized data science workflows and expand case studies to improve the cases archives.
- Organize training workshops on the China Data Lab platform and expand global collaborations.