Training Workshop on "Spatial Data Lab"

Co-Organized by

China Data Institute

Geospatial Center for Social Sciences, Wuhan University

Wuhan University

July 9, 2019 (Beijing Time)

8:30am-9:45am

I：Web Conference

- **Open platform for spatial data sharing with WorldMap**, Wendy Guan, Harvard University
- **Open platform for data management with DataVerse**, Gustavo Durand and Danny Brooke, Harvard University
- **Spatial data analysis with GeoDa and GeoDaSpace**, Xun Li, University of Chicago
- **Drive data and AI with workflow tools**, Alex Liu, RMDS/IBM
- **Integrate, Automate, Innovate Self-Service Analytics**, Sandeep Saini, Grazitti

Note: The web conference in the morning will be open for public. Please click here for <u>the online registration</u>. After registering, you will receive an email notice containing information about joining the webinar.

9:45am-10:45am

II：Spatial Data

- **Global land use with remote sensed data**, Jie Wang, Tshinghua University
- **Remote sensed data from Luojia Satellite**, TBD, Wuhan University
- **Spatial data mining and visualization**, Ella Li, Wayhe Tech
- **Spatial data integration and intelligent analysis**, Jingyu Qiu, Wayz Tech

10:45am-11:00am: Break

11:00am-12:00pm

III：Workflow Based Tools

- Workflow data analysis with ArcGIS
- Workflow data analysis with Alteryx
- Workflow data analysis with Jupyter
- Workflow data analysis with R AnalyticFlow

1:00pm-1:30pm

IV：Platform for Research and Teaching

- **China Geo-explorer** (http://chinageoexplorer.com)
- **The cloud based platform for data research and teaching**（http://chinadatalab.net）

1:30pm-2:45pm

V：Workflow Based Data Case Studies

- Spatial factor analysis of road network based on the traffic accidents
- Changes in human induced turbidity in Poyang Lake based om remote sensed data
- Air quality analysis with social media data
- Space-time analysis of high education in China
- Spatial panel data analysis in regional development

2:45pm-3:00pm Break

3:00pm-4:30pm

VI：Practice of Data Case Studies in Research and Teaching

- **Practice of data case studies in teaching**
- **Spatially integrated historical photographs of China: Sidney Gamble digital collection at Duke University**, Luo Zhou, Duke University Library
- **Practice of data case studies on site**

4:30pm-5:30pm

Discussions: Collaboration on Spatial Data Research and Teaching

Contact：

Yuanzhen Shao: yshao@whu.edu.cn

https://projects.iq.harvard.edu/chinadatalab/event/training-workshop-"spatial-data-lab"