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## and B/S Based GIS Platform for OSI Search Logic Development and Operation Support

After the triggering event and political decision to dispatch the inspection team to the inspection area, on-site inspection (OSI) would be initiated at a geological location. Before the inspection team arrives at the point of entry, OSI can only be primarily planned on a GIS platform with the support of International Data Centre data input. The inspection area with the boundaries would be clarified, the base of operations location would be decided, initial overflight and the first period of inspection activities plans would be made. The inspection area could be familiarized by the inspection team, possibly managed access areas could also be set up, mainly by means of this GIS platform. This work would propose a WebGL & B/S Based GIS system to provide the previously mentioned support to OSI. The system is based on open source software and data, which can be installed on a zero-client server without connection to any other information sources, including the internet. It could achieve 3-D visualization of the inspection area with high fidelity. In the meanwhile, it could also provide spatial analysis to support the OSI mission. It has the capacity for OSI data management with the professional guidance of the Provisional Technical Secretariat experts. The system is highly open and adaptable to other third-party software systems.

### E-mail

lipeng1406@163.com

### In-person or online preference

**Primary authors:** Mr LI, Zhenyu (ZeroG Lab, Beijing, China); Mr LI, Ke (ZeroG Lab, Beijing, China)

**Co-authors:** Mr FAN, Jinhao (Beijing Honeycomb Cloud Information Technology Co., Ltd); Ms WU, Yuke (The S. Rajaratnam School of International Studies, Nanyang Technological University); Mr ZHANG, Yongli (Beijing Decent3D Science&Technology Co., Ltd.); Ms YANG, Jing (HOPE Investment Development Co. Ltd.); Mr LI, Peng (China Arms Control and Disarmament Association)

**Presenter:** Mr LI, Zhenyu (ZeroG Lab, Beijing, China)

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