

Collaborating for WISer Information Security

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As most are fully aware, cybersecurity attacks are an ever-growing problem as larger parts of our lives take place on-line. Distributed digital infrastructures are no exception and action has to be taken to both reduce the security risk and to handle security incidents when they inevitably happen. These activities are carried out by the various e-Infrastructures and it has become very clear in recent years that collaboration with others both helps to improve the security and to work more efficiently.

The WISE (Wise Information Security for collaborating E-infrastructures) community was born as the result of a workshop in October 2015, which was jointly organised by the GÉANT group SIG-ISM (Special Interest Group on Information Security Management) and SCI, the ‘Security for Collaboration among Infrastructures’ group of staff from several large-scale distributed computing infrastructures. All agreed at the workshop that collaboration and trust is the key to successful information security in the world of federated digital infrastructures for research.

WISE provides a trusted global framework where security experts can share information on topics such as risk management, experiences about certification processes and threat intelligence. With participants from e-Infrastructures such as EGI, EUDAT, PRACE, XSEDE, NRENs and more, WISE focuses on standards, guidelines and practices, and promotes the protection of critical infrastructure.

This talk will focus on ongoing work in the WISE Working Groups, each tackling different aspects of collaborative security and trust: Security Training and Awareness; Risk Assessment; Review and Audit; Security in Big and Open Data; and SCI version 2. This final Working Group aims to produce a whitepaper detailing the community’s requirements. We will report on progress made and highlight the expected challenges to be faced by participating E-infrastructures in the coming years.

Details on the WISE community and our Working Groups can be found at <https://wise-community.org>

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