Australian Government

Department of Defence
Science and Technology

Wide Area Surveillance Activity Based Intelligence (WASABI)

The Defence Science and Technology (DST) Group is leveraging extensive experience with motion imagery in Defence to research wide area surveillance capabilities which contain vast amounts of unstructured information, under a project known as Wide Area Surveillance Activity Based Intelligence (WASABI).

The aim is to extract structured activity to realise its intelligence value, and determine how that can be applied to assist Australia's defence and national security efforts.

Commencing with imagery and metadata collected from wide area sensors, it is a significant task to detect all moving objects within the scene, associate detections to form track lets and aggregate these to form tracks. Once tracks have been collated by DST researchers, then activities and events be extracted; higher level links and associations made; anomalies identified and knowledge accumulated.

Partners

WASABI is a joint project involving a number of international partners to study patterns of flow of everyday activities in an urban setting by using wide-area airborne surveillance.

For further information:

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