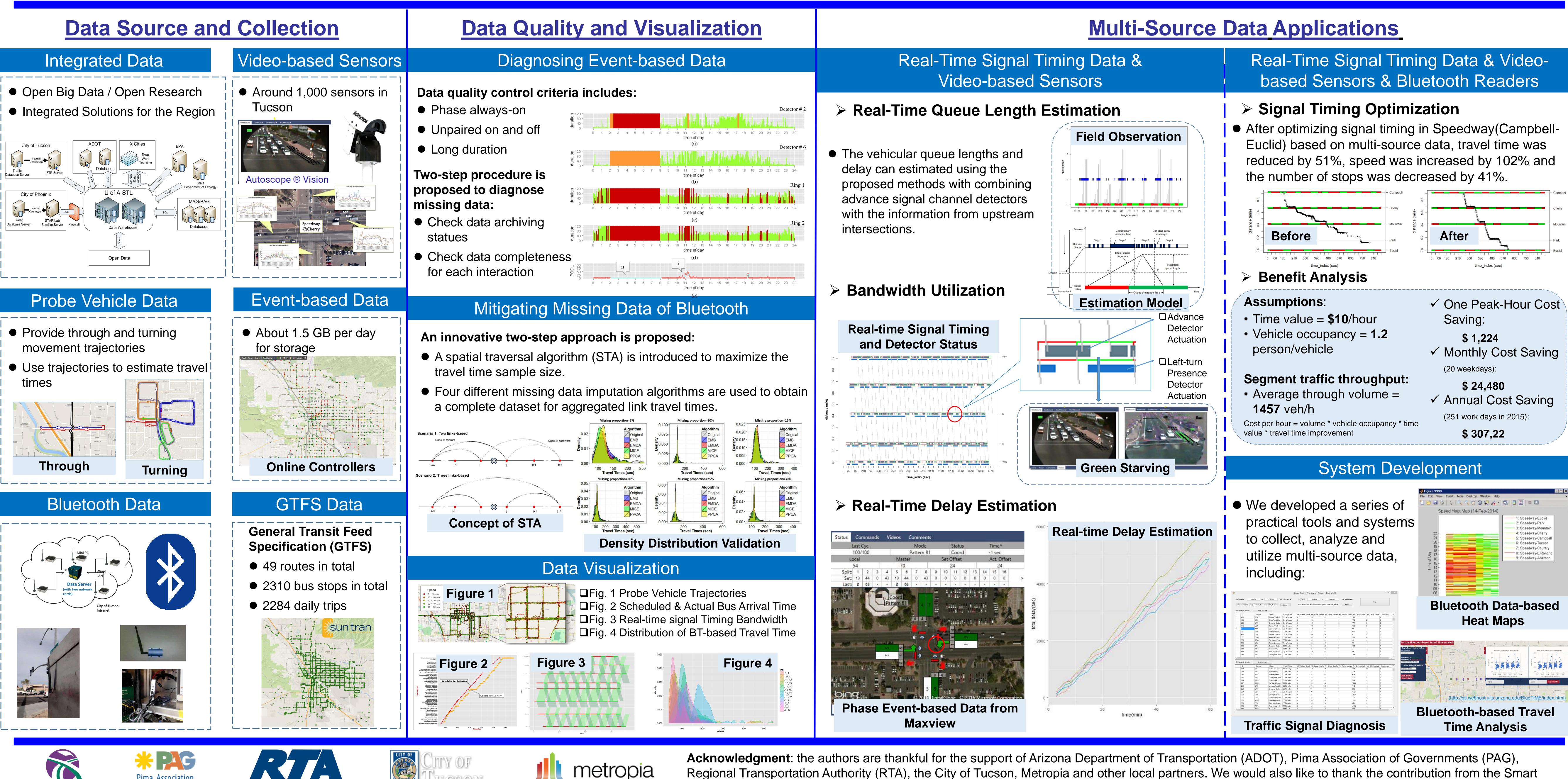
EXPLORING MULTI-SOURCE TRAFFIC SENSOR DATA FOR MULTI-MODAL ARTERIAL PERFORMANCE MEASUREMENT

metropia

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With the emerging development of Intelligent Transportation System (ITS) technologies, surface-transportation data can now be collected by a wide variety of ITS traffic detectors, including Bluetooth detectors, automatic vehicle location (AVL) devices, inductive loop detectors, and radar-based detectors. It has been challenging to take full advantage of multi-source ITS data by enabling them to exchange information with each other to compensate for their various disadvantages. This poster is focused on big data applications of multi-source traffic research living lab for the University of Arizona to develop data-driven applications to improve arterial performance (e.g. traffic signal timing optimization), transit system, and pedestrian and bicyclist environments.





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ABSTRACT

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