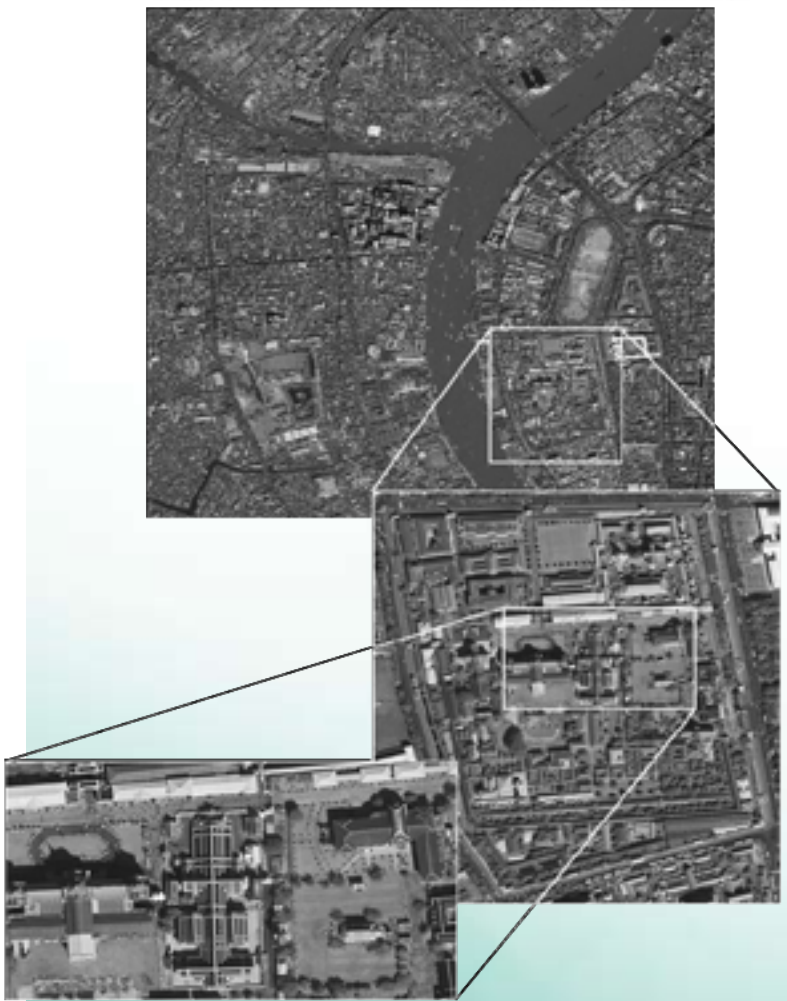
Detecting Change In Large Area Imagery
Image-to-Intelligence Archive (I2IA)



Problem Statement:

- An enormous volumes of geographical data is being produced on a daily basis throughout the world and is being analyzed to create scientific, military, and intelligence information. Two significant challenges that exist in producing this image information are: managing the vast amount of available and increasing data, and automating the manual processes that are currently needed to produce and search this type of information.

Technical Approach:

- With I2IA technology, we focus on the use of intelligent agents, geoconformance, and image analysis technology to gather, manage, and analyze large volumes of geospatial data. The use of software agents that have the ability to mimic certain human behavior allow agents to retrieve the newest and best quality imagery from various data sources, and to perform analysis on this data in a distributed manner.

Benefit:

- Using I2IA, an image analyst will be able to perform query-based image retrievals for applications such as change monitoring, damage assessment, automatic target recognition, and a wide variety of intelligence, security, and monitoring purposes.

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