Modeling and Recognizing the World with the Distributed Camera

Institutions: Cornell University, Indiana University

- Lead Investigator: Noah Snavely (CU)

- Current Team Members:
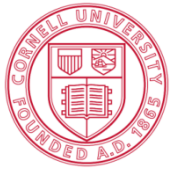
  Dan Huttenlocher (CU) and Dave Crandall (IU)
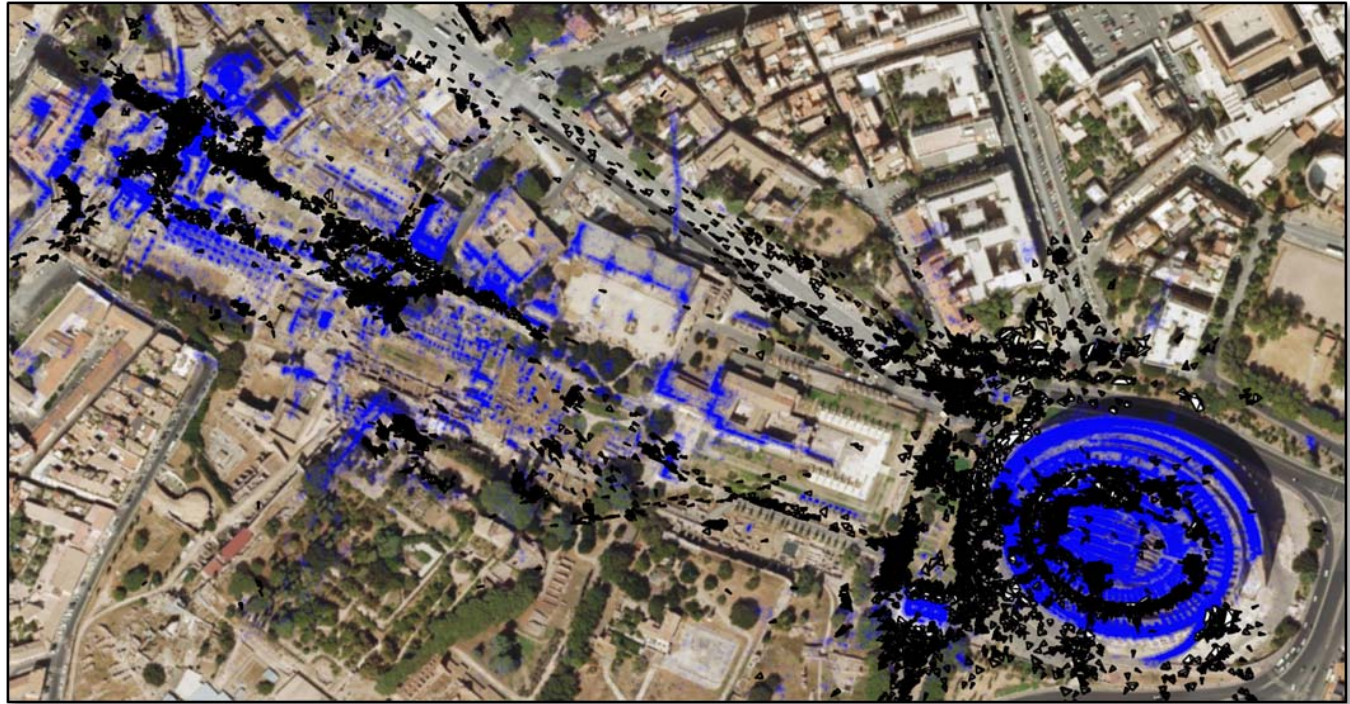
The Age of Exopixel Image Data

- Hundreds of billions of photos available online

- Millions uploaded every hour

- Many other large sources of imagery

- The Internet is becoming a **living visual record** of our world

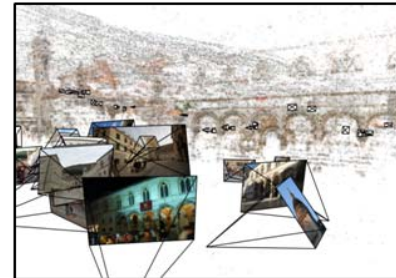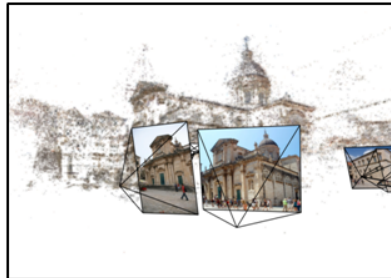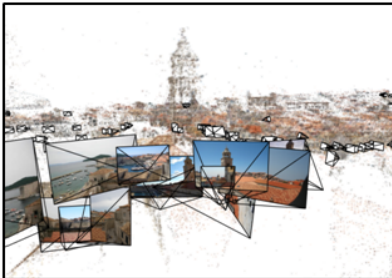- **Challenges: extremely massive, unstructured and uncalibrated source of data**

Large-Scale 3D Modeling

[ICCV 2009, ECCV 2010, CVPR 2011]

Localization from 3D Model Data

[ECCV 2010]

Gathered over 40,000 photos of Cornell in less than three weeks, covering most of campus
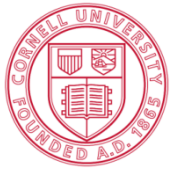
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