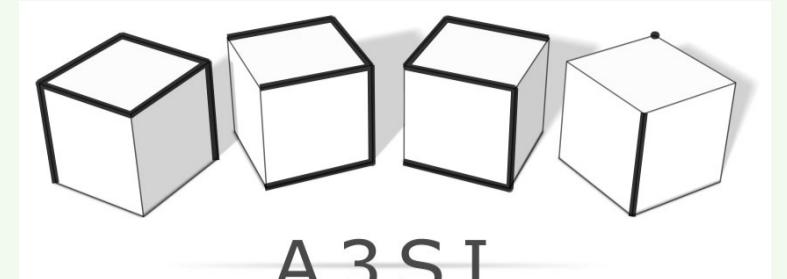




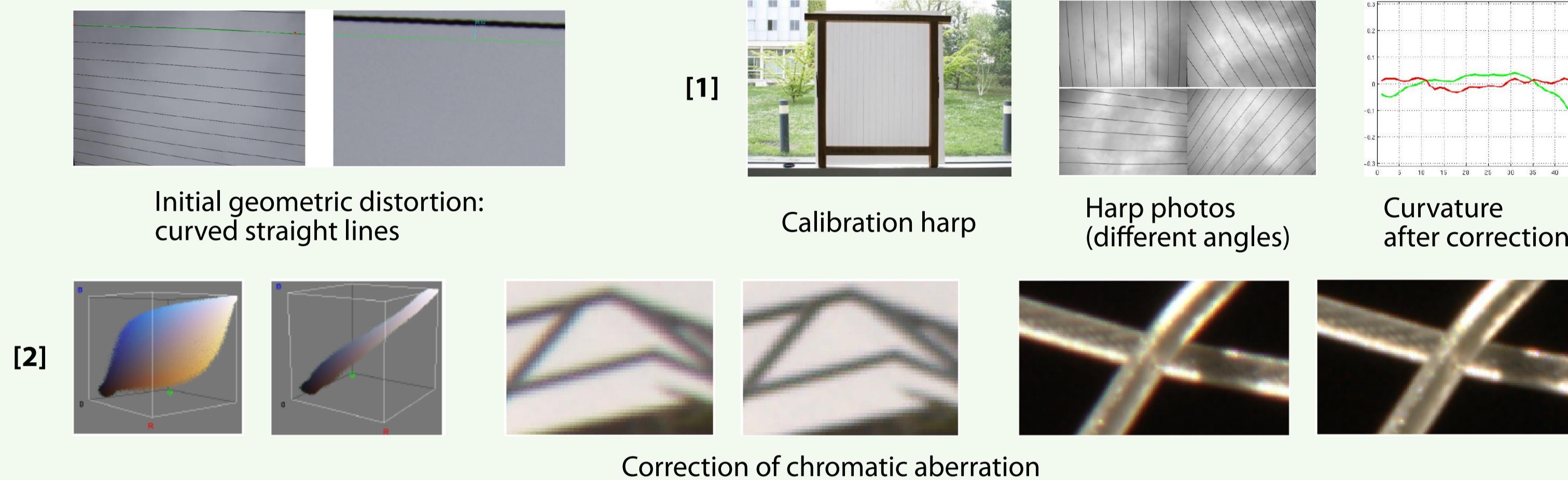
3D Reconstruction and semantization



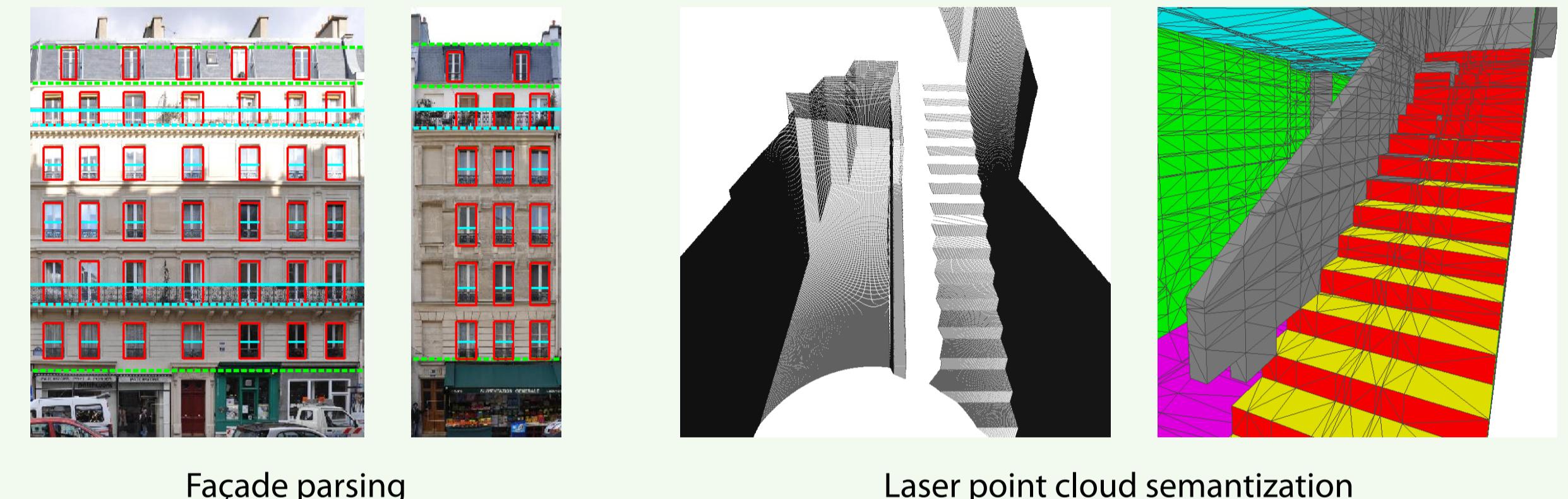
<http://imagine.enpc.fr/>



Internal camera calibration

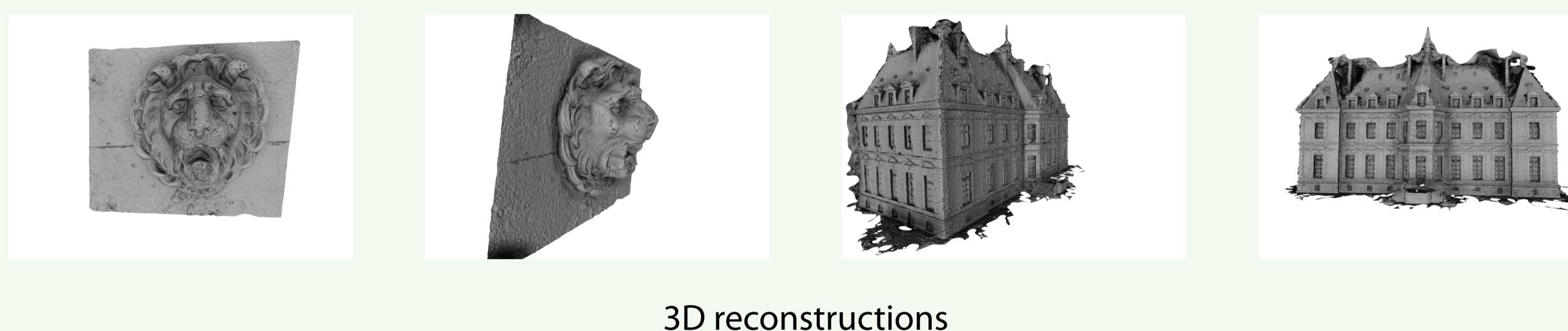
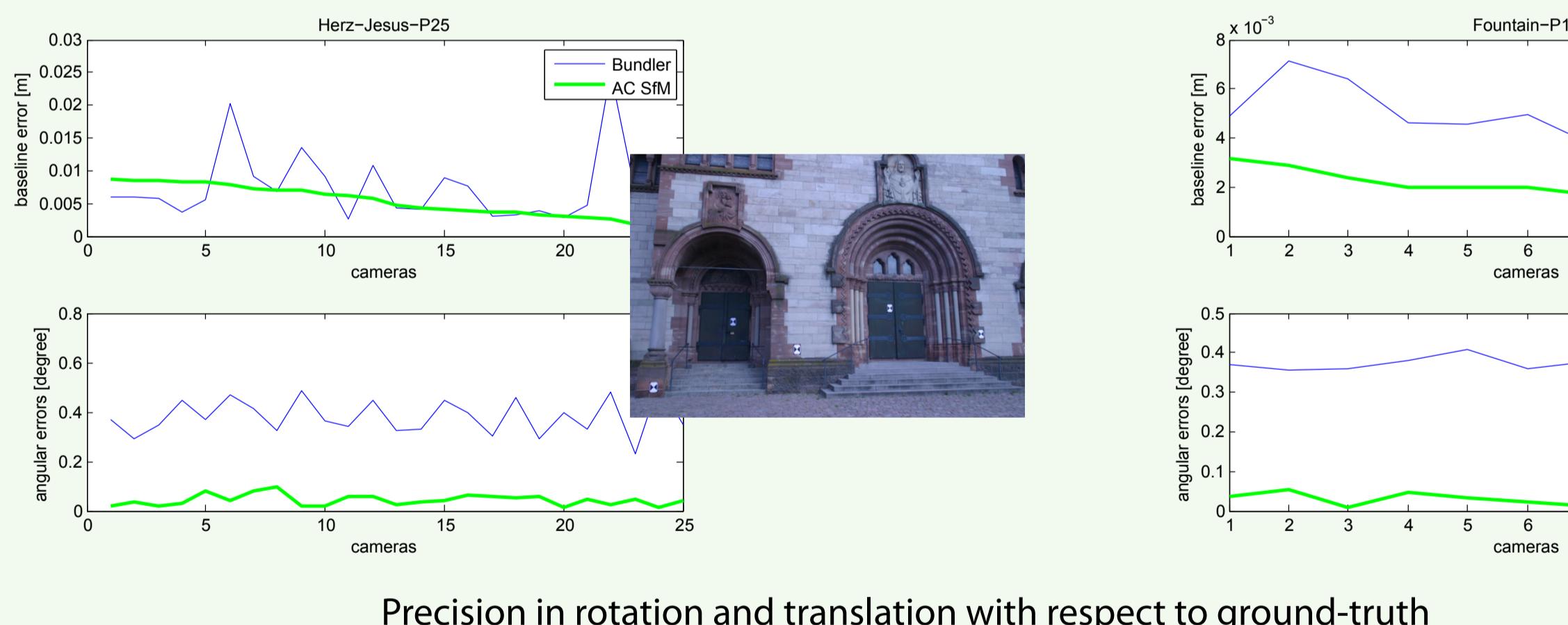


Semantization [6]



External calibration using *a contrario* method

Incremental approach [4]

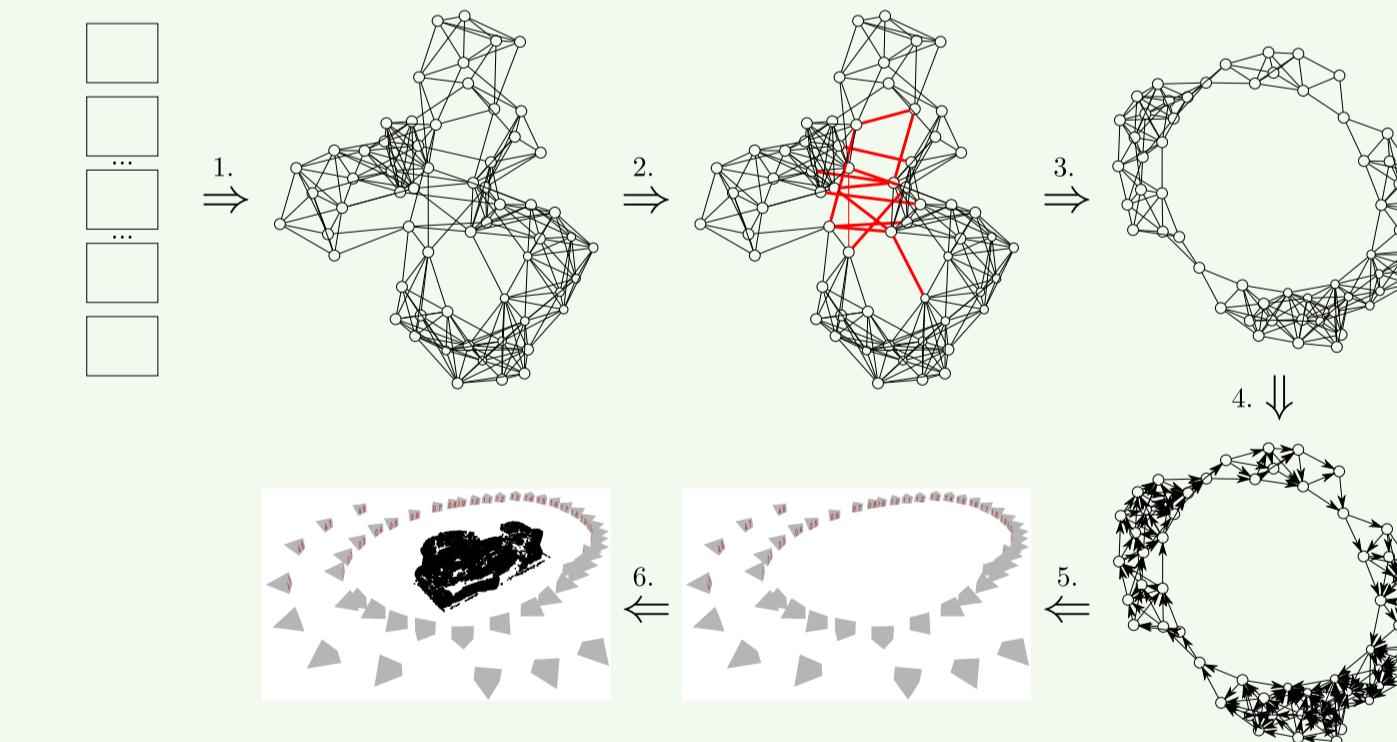


- [1] Grompone, Monasse, Morel, Tang, JOSA (A) 2012
- [2] Rudakova, Monasse, PSIVT 2013
- [3] Moisan, Moulon, Monasse, IPOL 2012
- [4] Moulon, Monasse, Marlet, ACCV 2012
- [5] Moulon, Monasse, Marlet, ICCV 2013

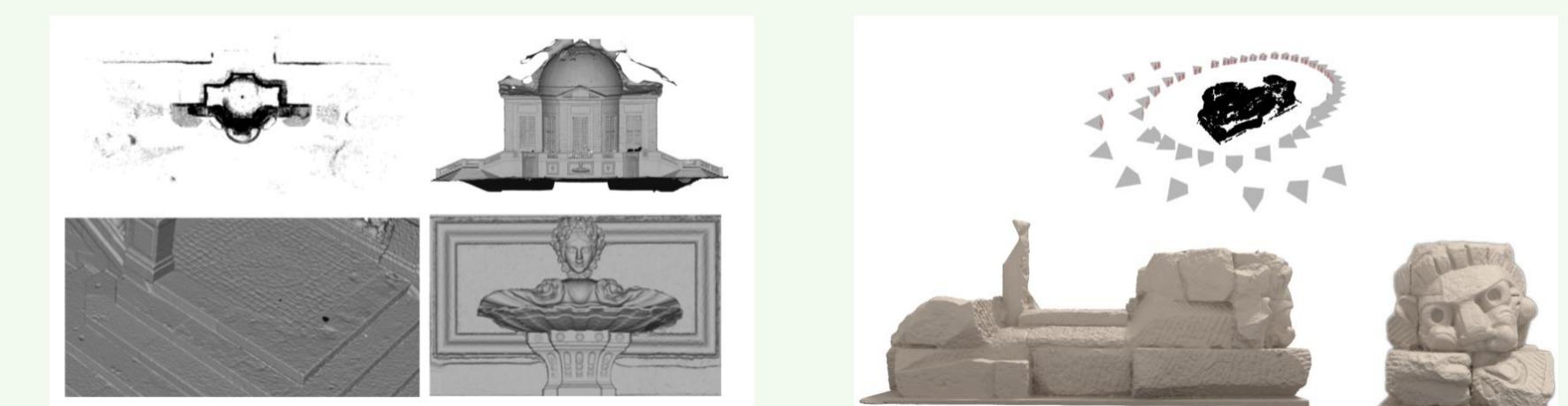
External calibration using *a contrario* method

Global approach [5]

Based on the OpenMVG library
<http://imagine.enpc.fr/~moulonp/openMVG/>



1. AC-RANSAC from local matches
2. Global rotation consistency
3. Global rotations
4. Relative translations
5. Global translations
6. Final structure and motions



Accuracy \geq best global methods
Speed \sim best sequential methods

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