TRACKING **Initial Pose Estimation** Extract Track New KeyFrame from last frame or Frame **Local Map** ORB Decision Relocalisation MAP **Map Initialization** KeyFrame **MapPoints** PLACE OCAL MAPPING **KeyFrame** RECOGNITION Insertion **KeyFrames** Visual Recent Vocabulary **MapPoints** Covisibility Culling Graph Recognition **Database New Points** Spanning Creation Tree Local BA Loop Correction Loop Detection Local Optimize **KeyFrames** Candidates Compute Loop Essential Culling Detection Fusion Sim3 Graph

LOOP CLOSING