



POLITÉCNICA
“Engineering the future”

INTERNATIONAL
CAMPUS OF
EXCELLENCE

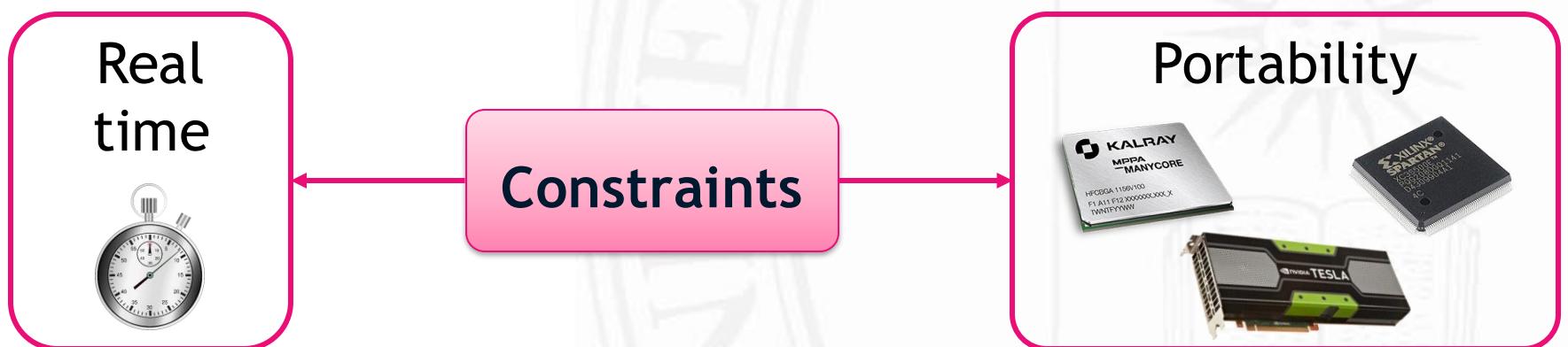
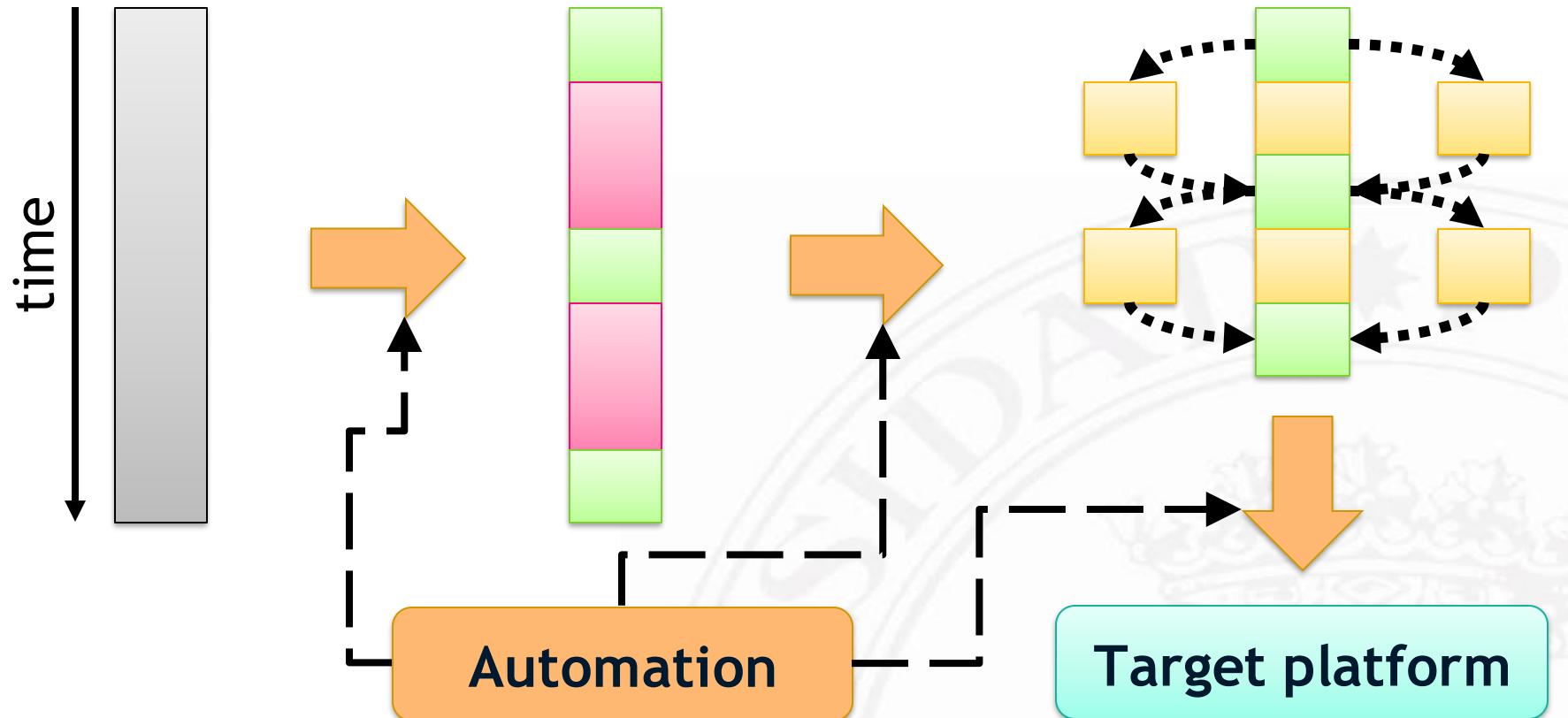
citSem
POLITÉCNICA Centro de Investigación en Tecnologías
del Software y Sistemas Multimedia
para la Sostenibilidad

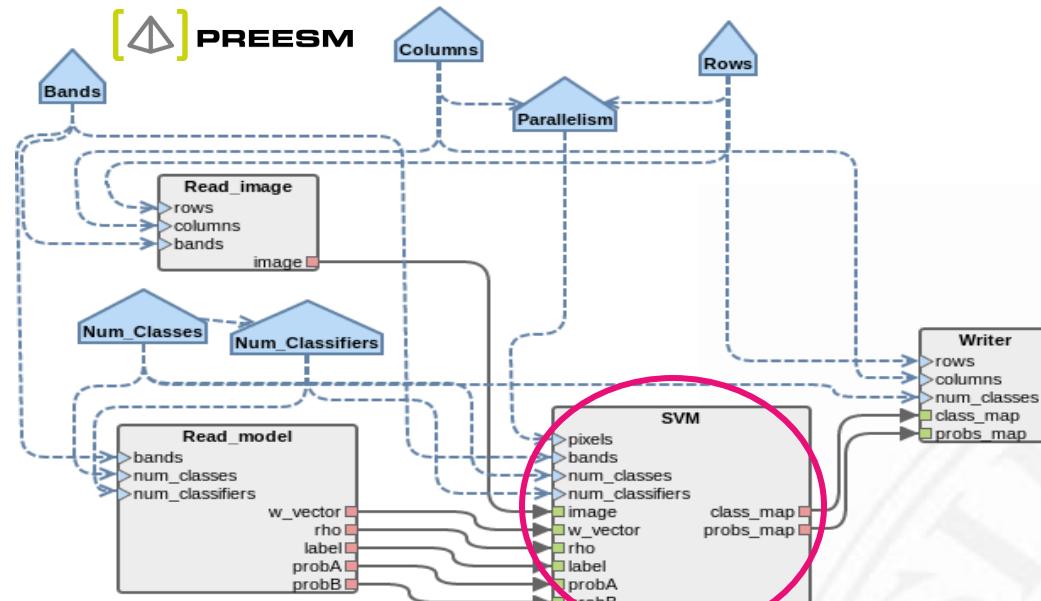
Parallelism Extraction of Hyperspectral Imaging Cancer Detection Algorithms on High Performance Embedded Systems

Raquel Lazcano

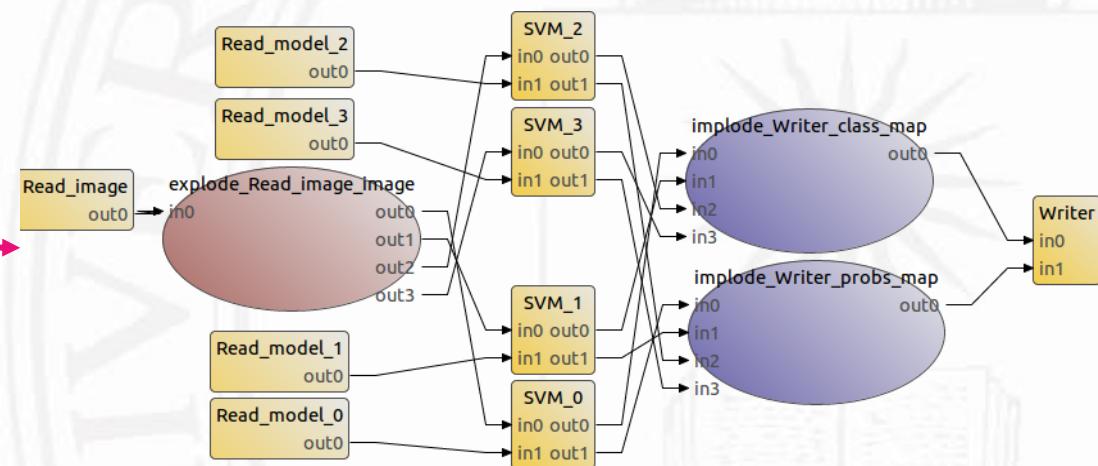
Universidad Politécnica de Madrid (UPM)
School of Telecommunications Engineering and Systems (ETSIST)
Research Center for Software Technologies and Multimedia Systems (CITSEM)

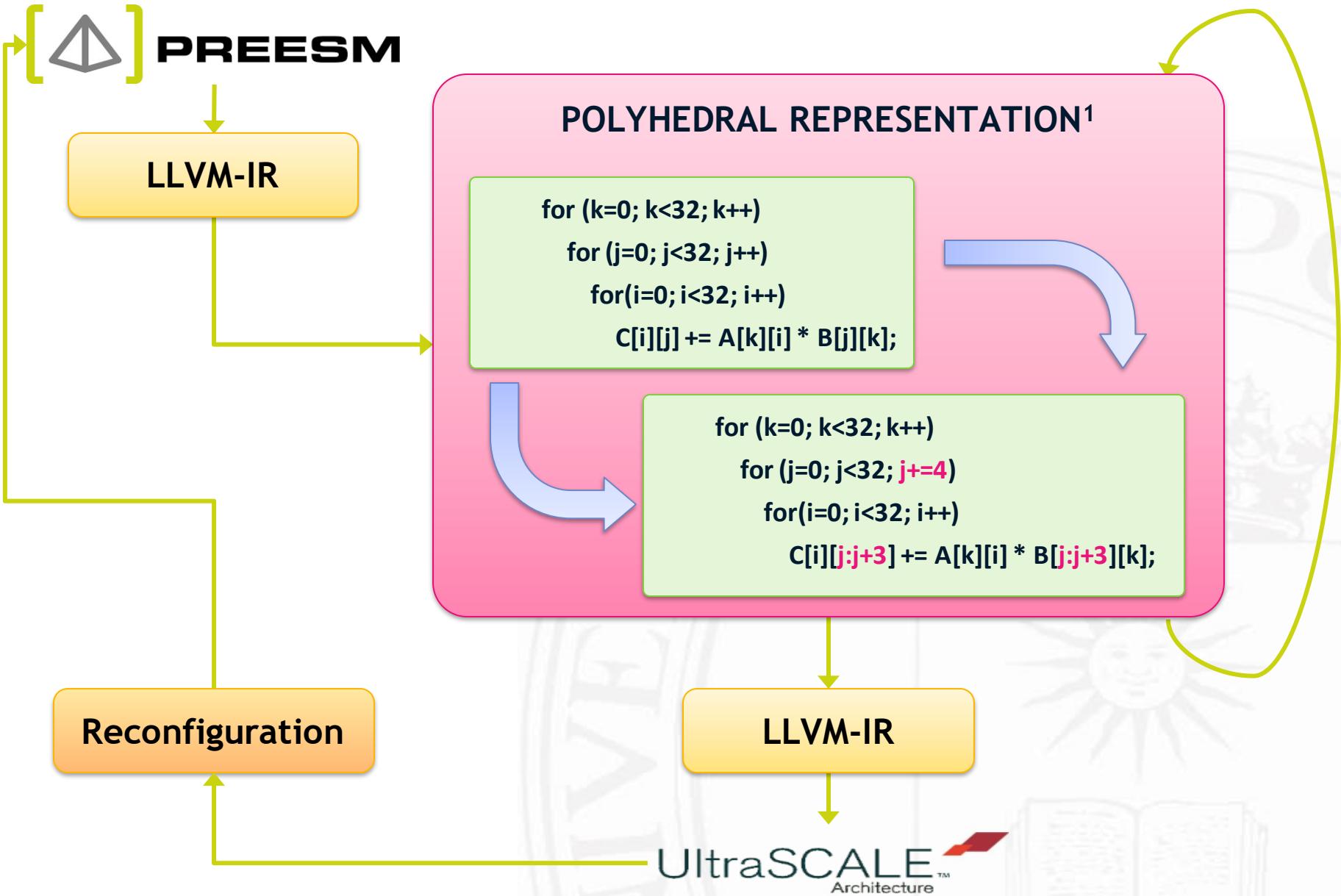
*CPS Summer School, Alghero
Monday 25th September, 2017*





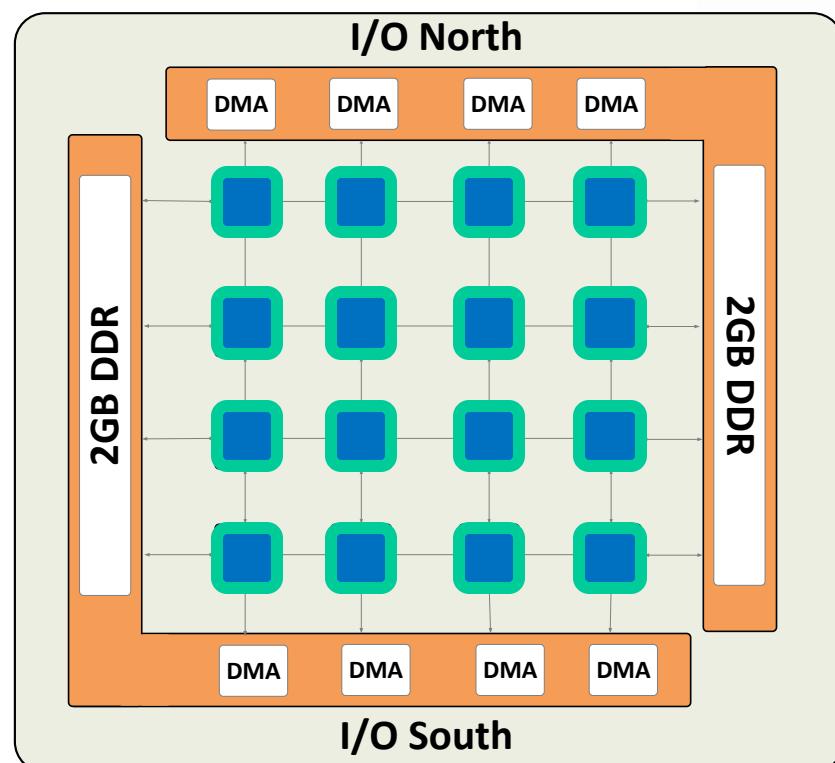
**POLYHEDRAL
OPTIMIZATION**



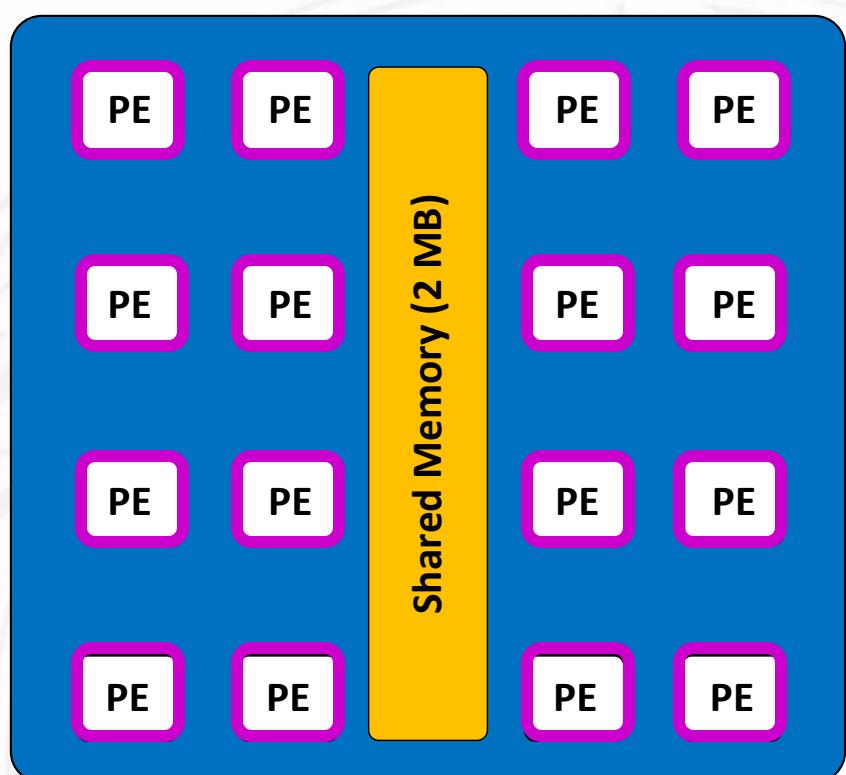


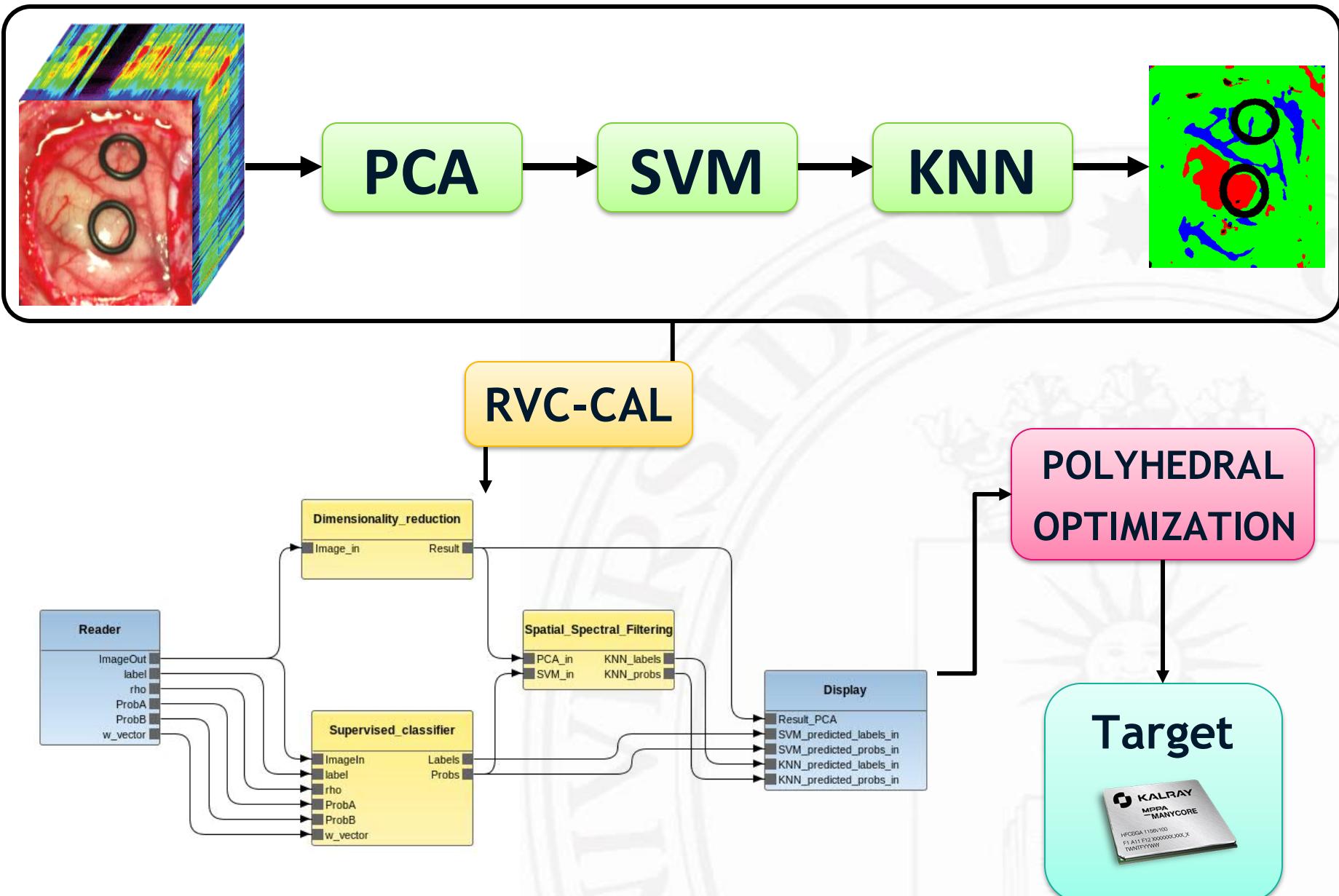
¹T. Grosser et al., "Polly - Polyhedral optimization in LLVM", 2011

16 clusters



16 PEs @ 400MHz







POLITÉCNICA

Centro de Investigación en Tecnologías
del Software y Sistemas Multimedia
para la Sostenibilidad

Thank you for your attention

raquel.lazcano@upm.es