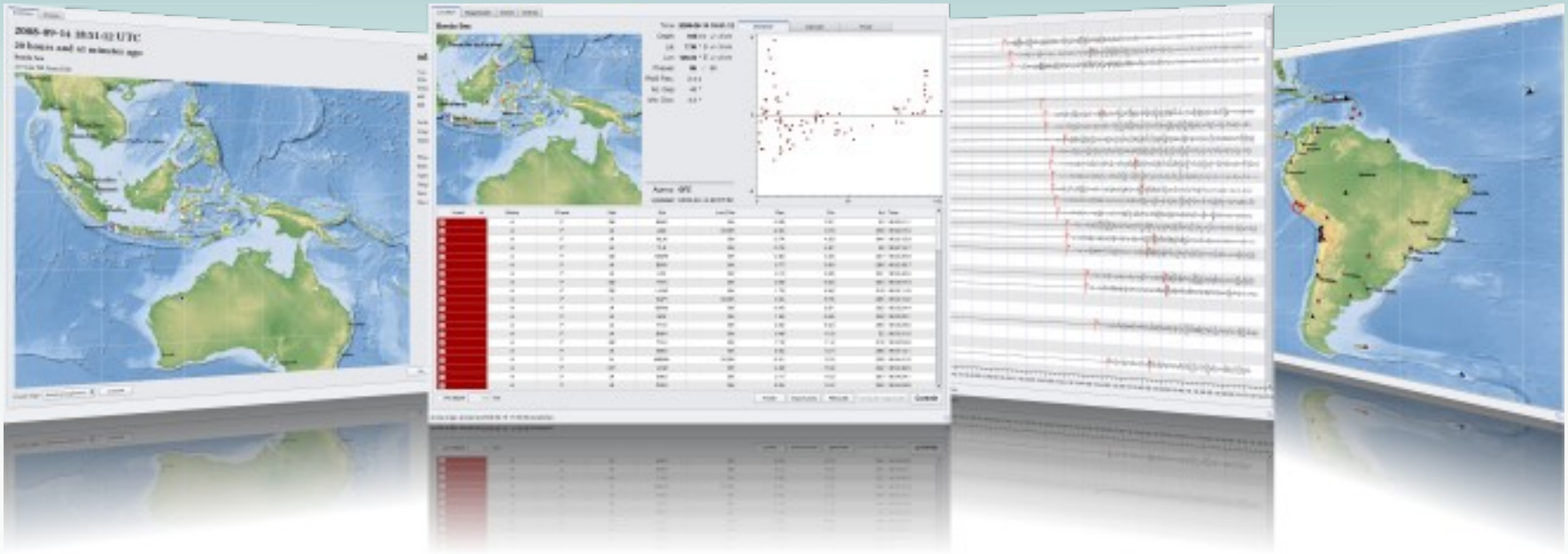
gempa



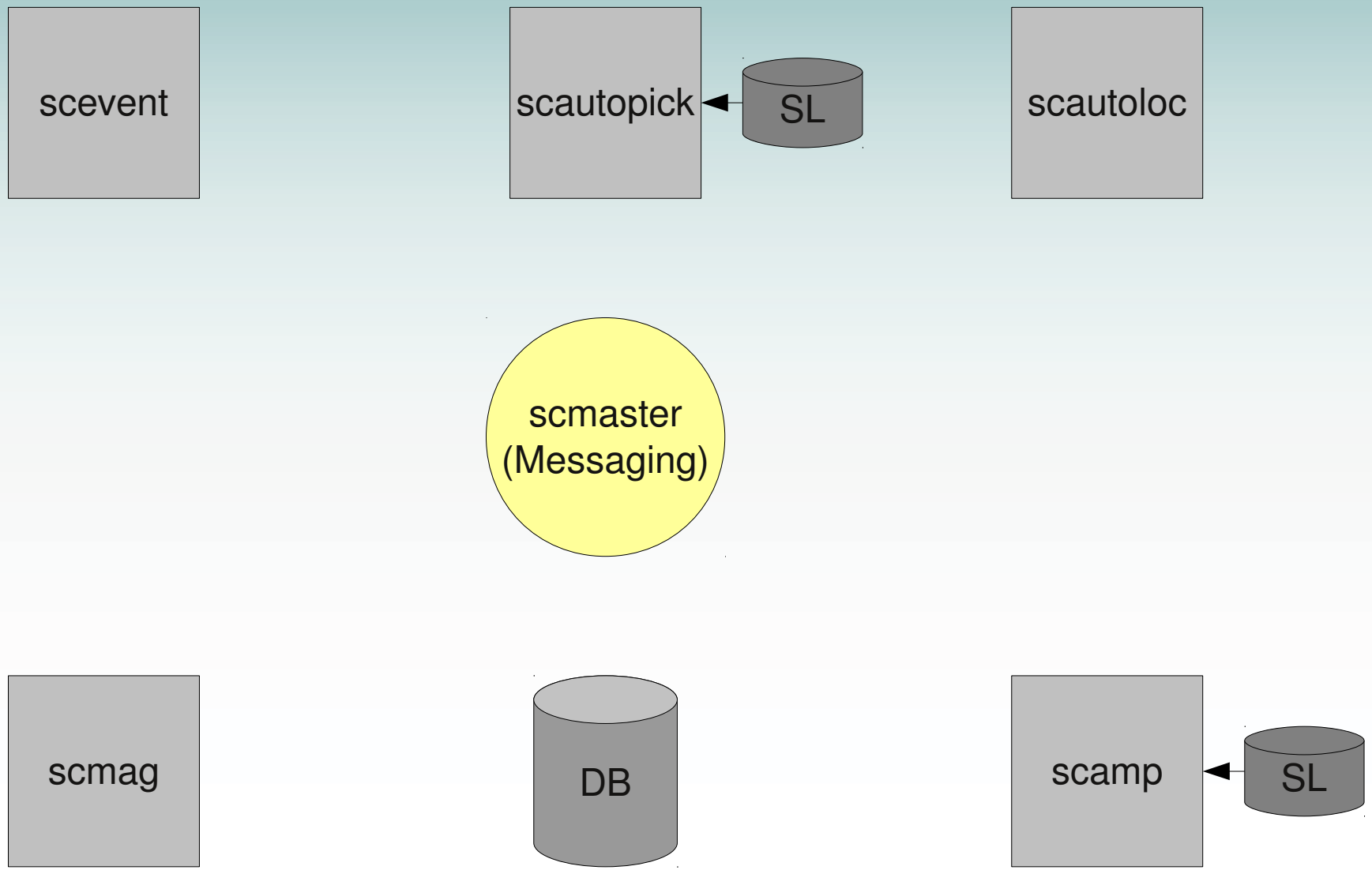
SeisComP3 ©GFZ

Architecture and Work-flow

by *Dr. Bernd Weber*

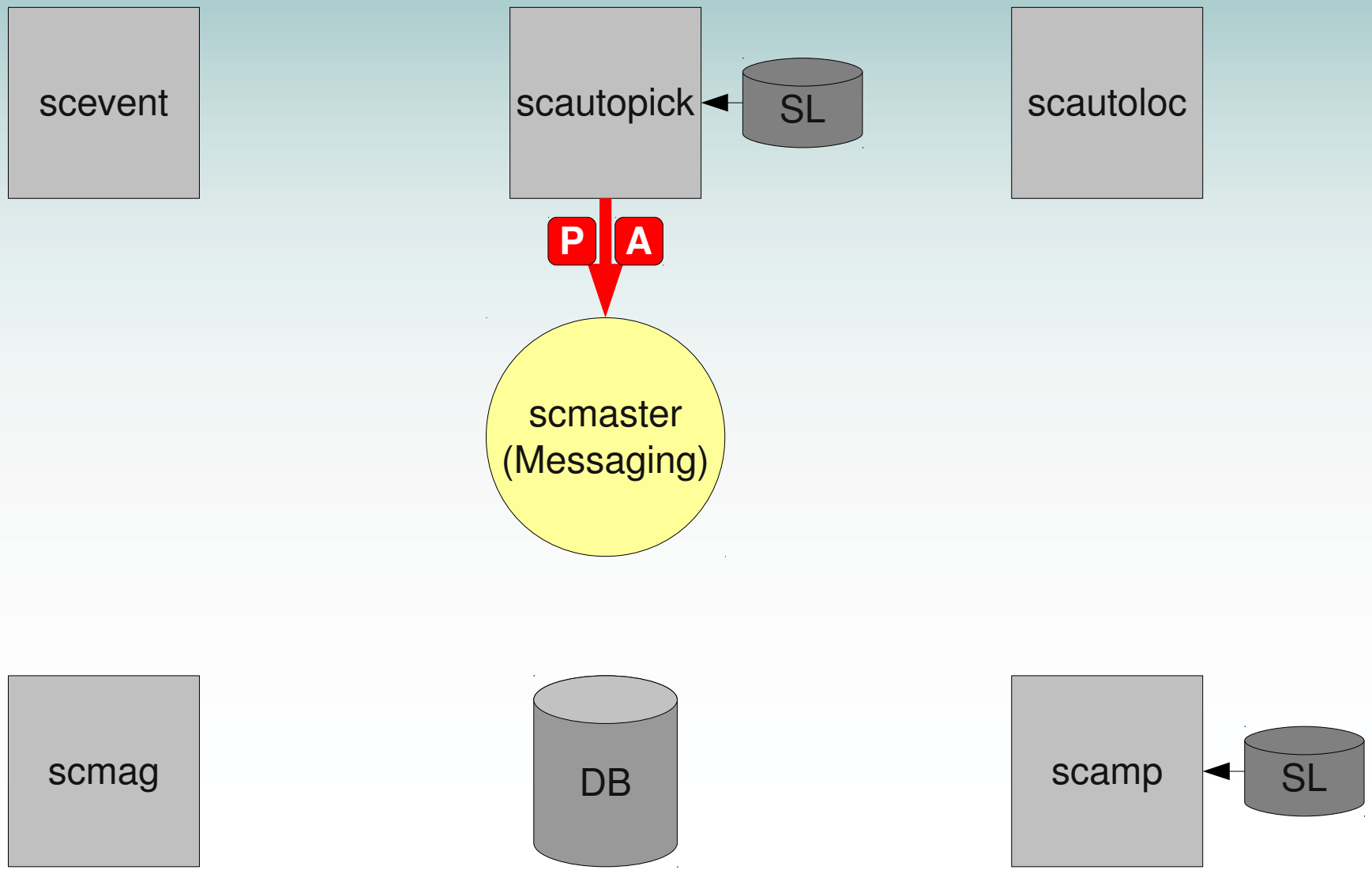
gempa GmbH

SeisComP3 workflow



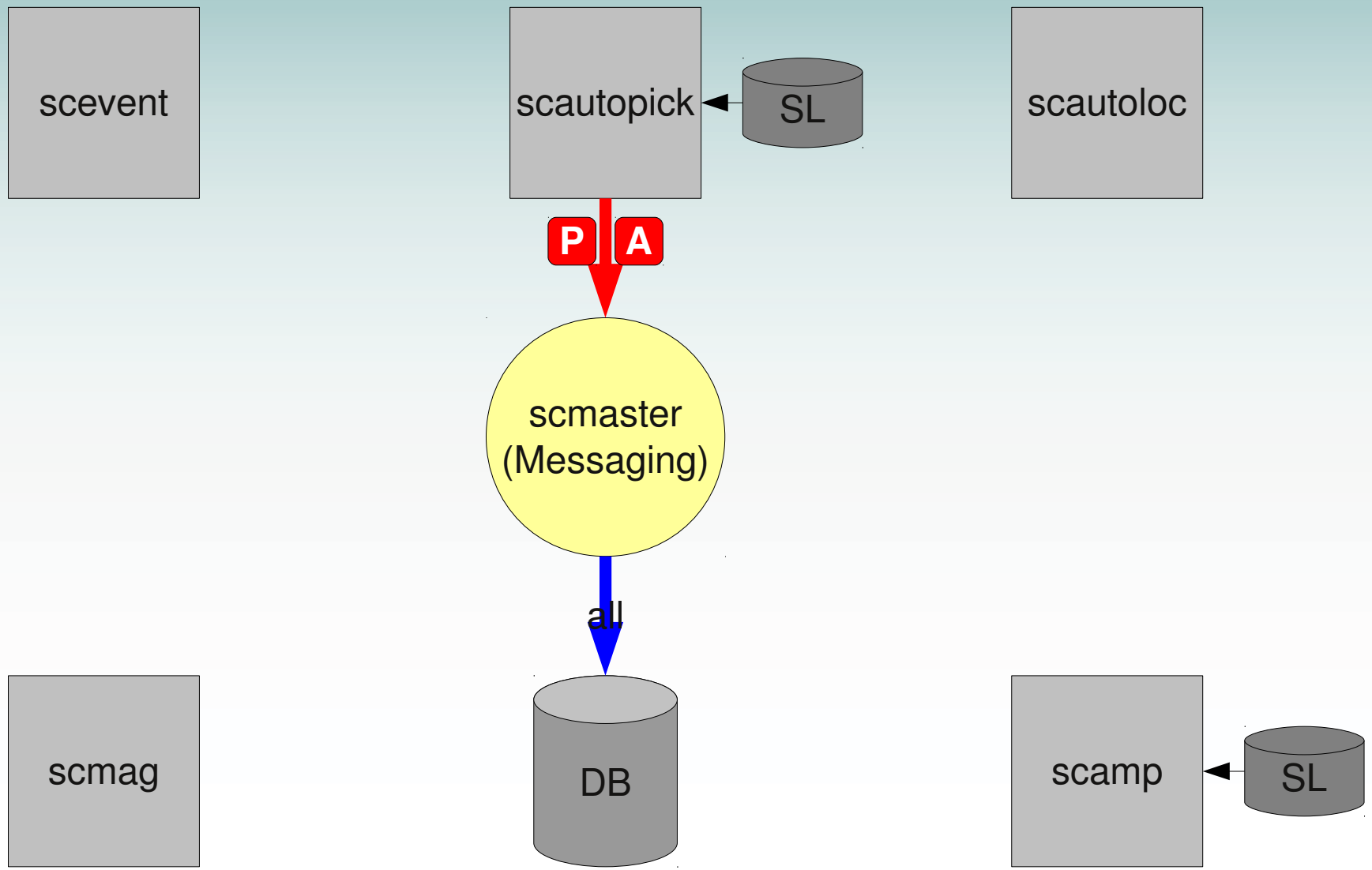
scautopick is connected to the data acquisition (SeedLink)

SeisComP3 workflow



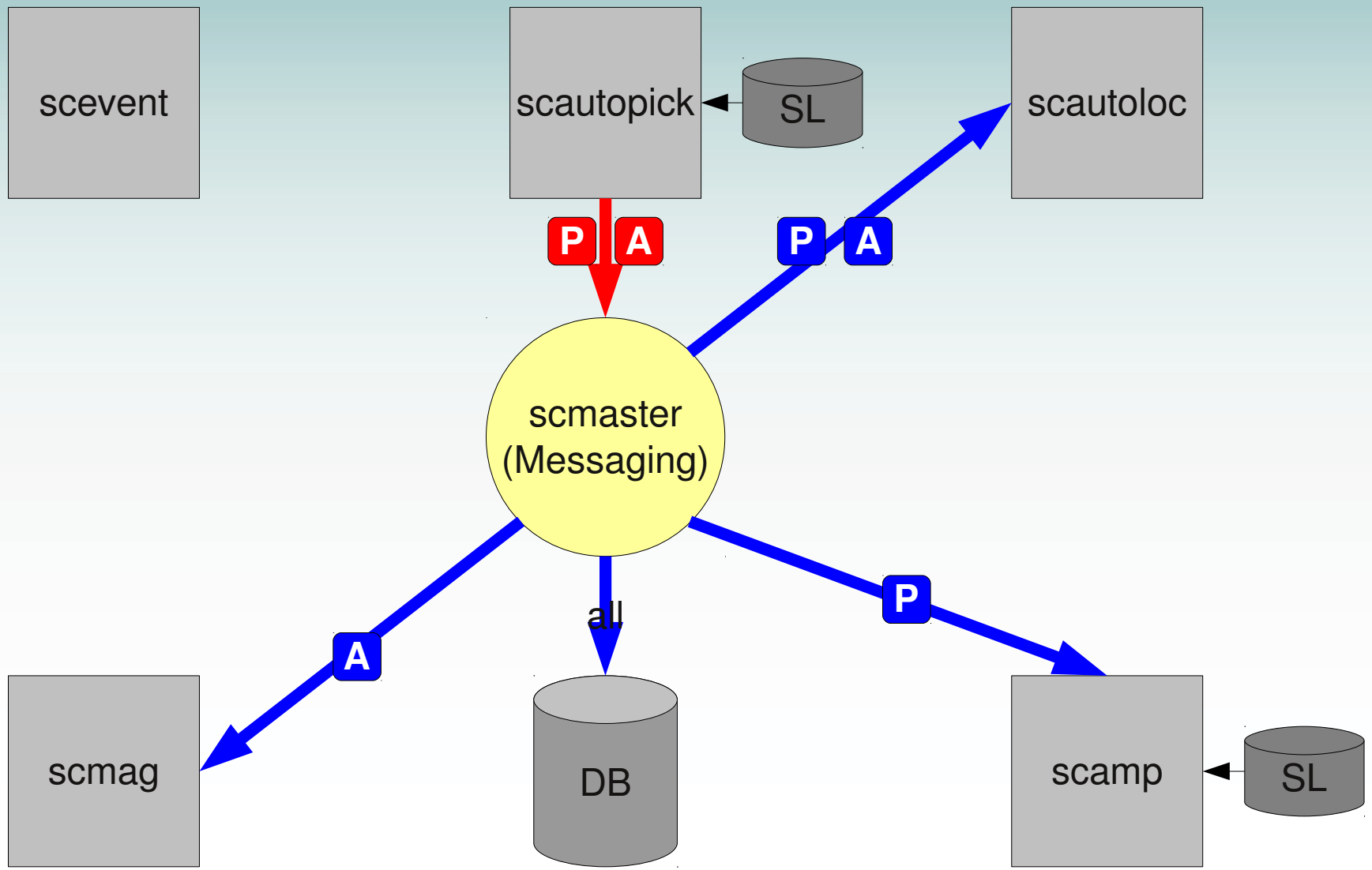
Scautopick analyzing waveforms and sending picks to the PICK group

SeisComP3 workflow



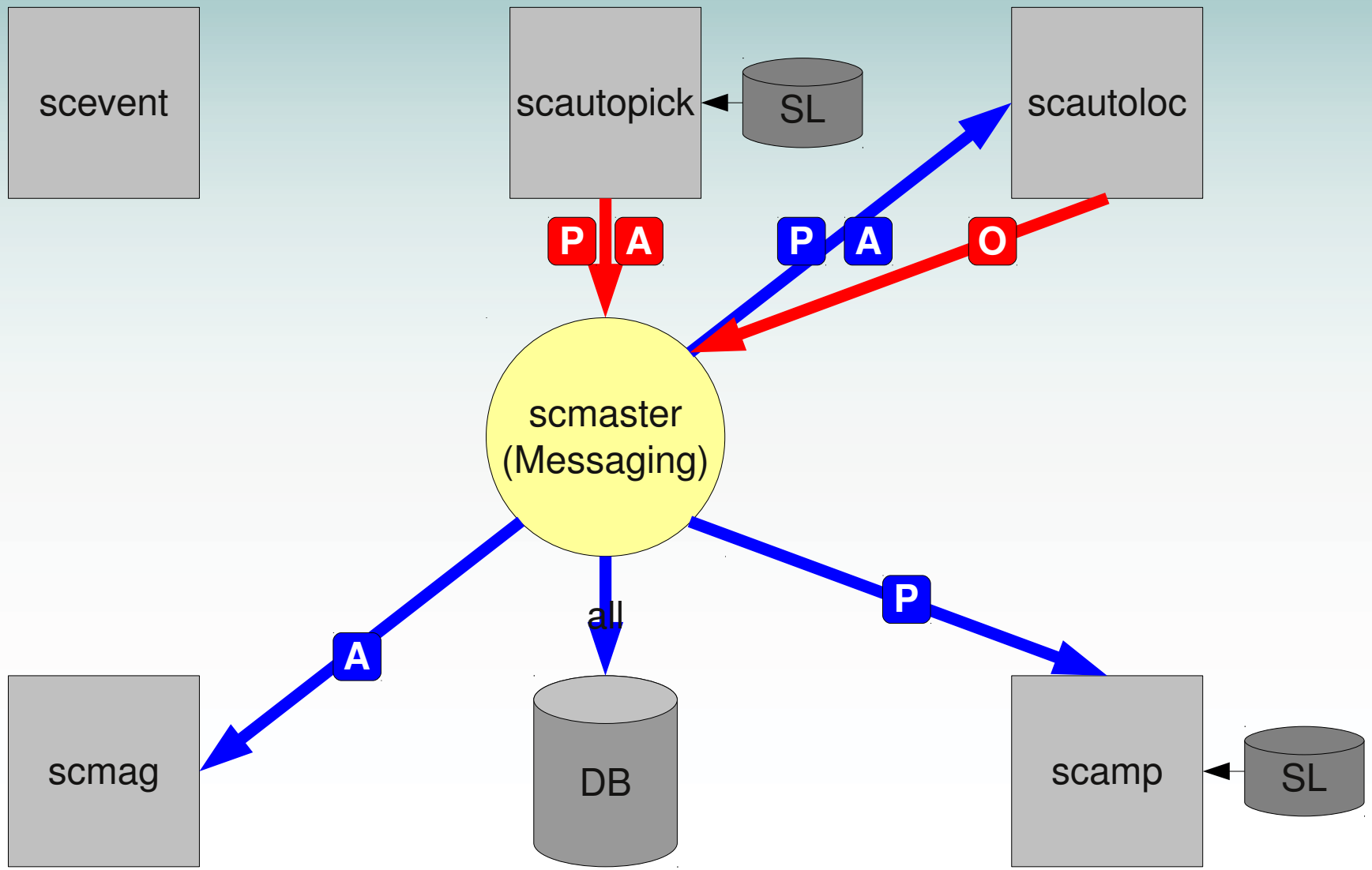
All objects communicated through the messaging system are stored in the DB

SeisComP3 workflow



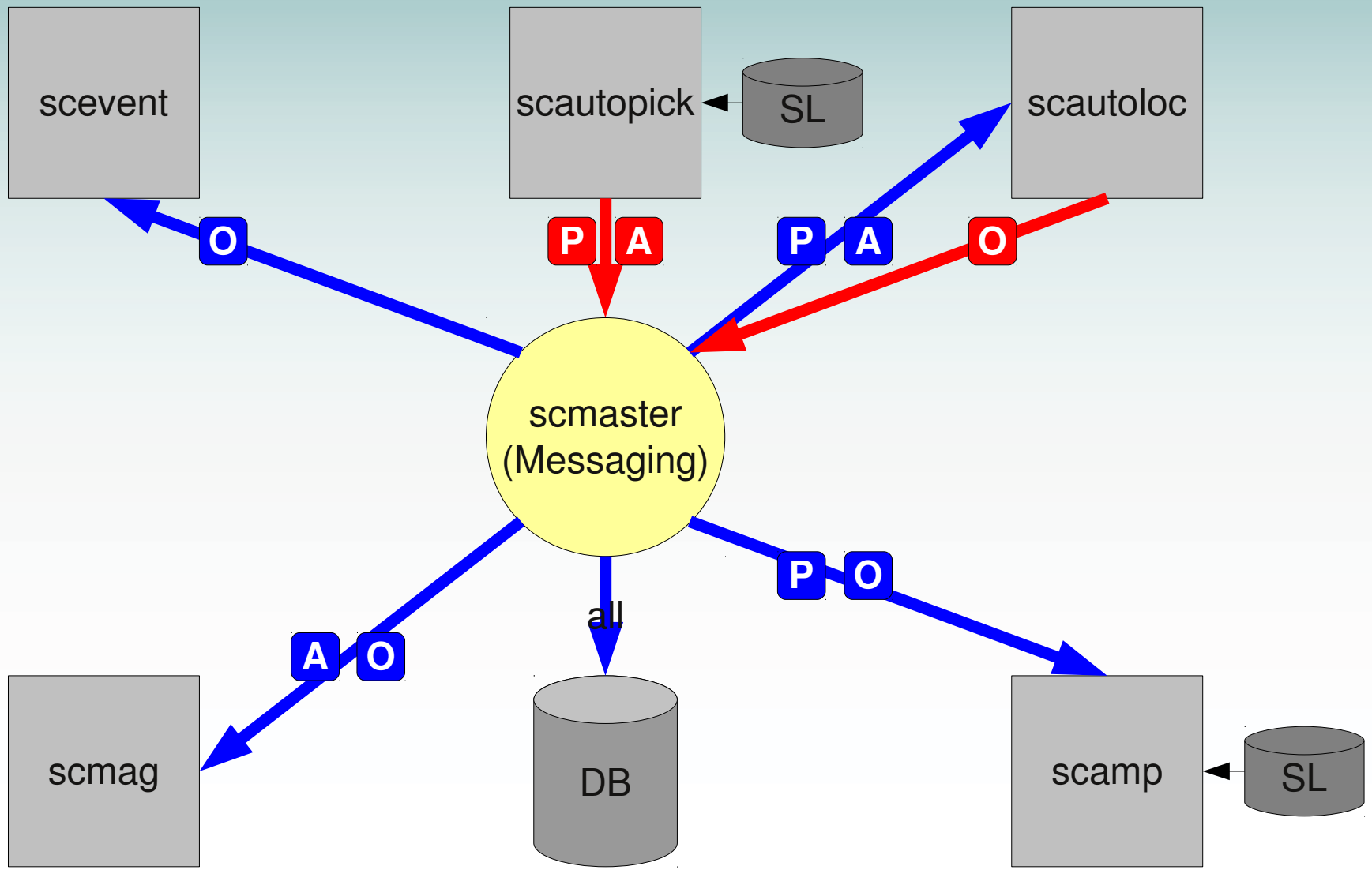
Modules connected to the PICK/AMPLITUDE group receive picks/amplitudes

SeisComP3 workflow



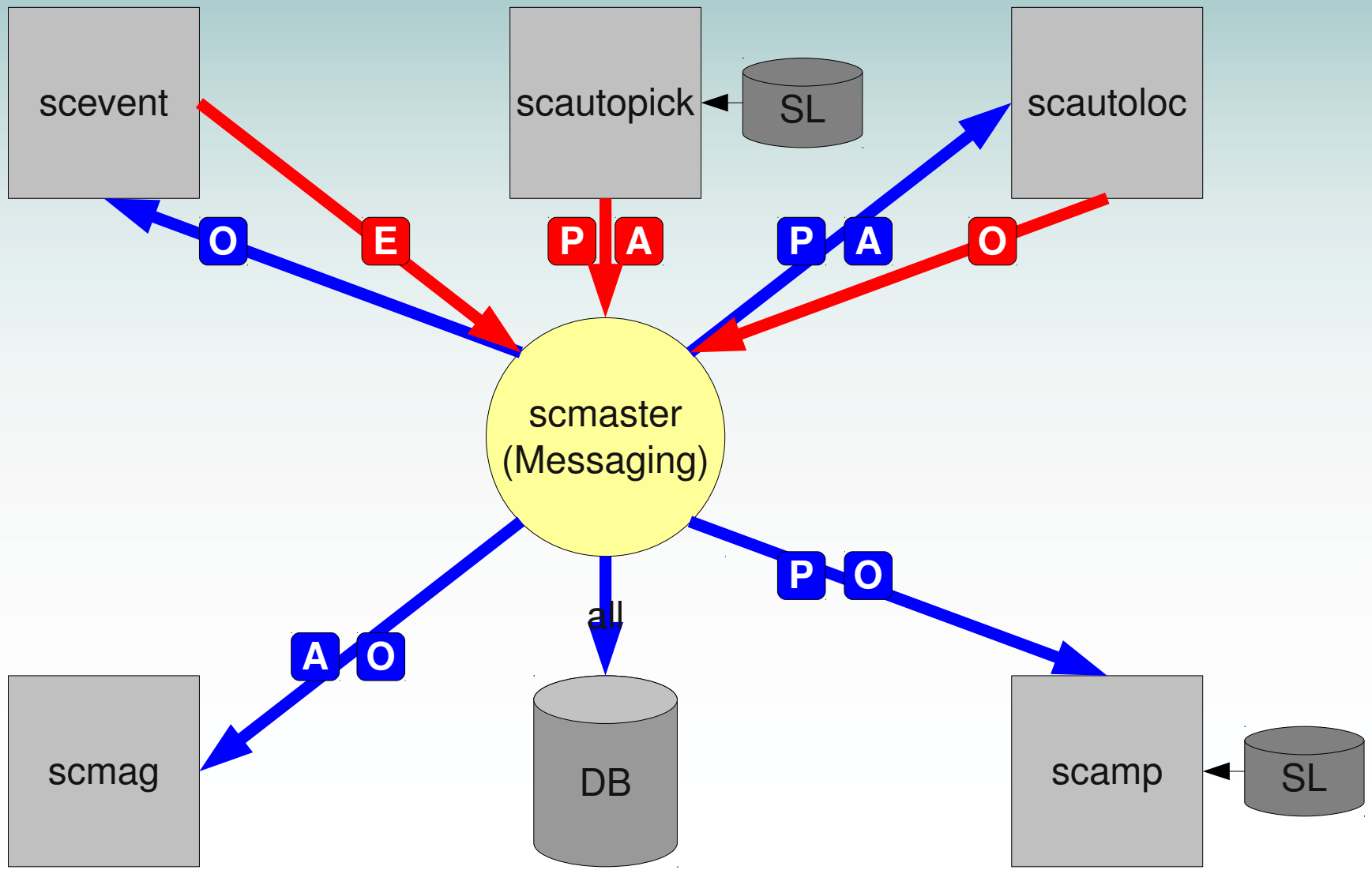
Autoloc processes picks and amplitudes and sends the resulting origins to the LOCATION group

SeisComP3 workflow



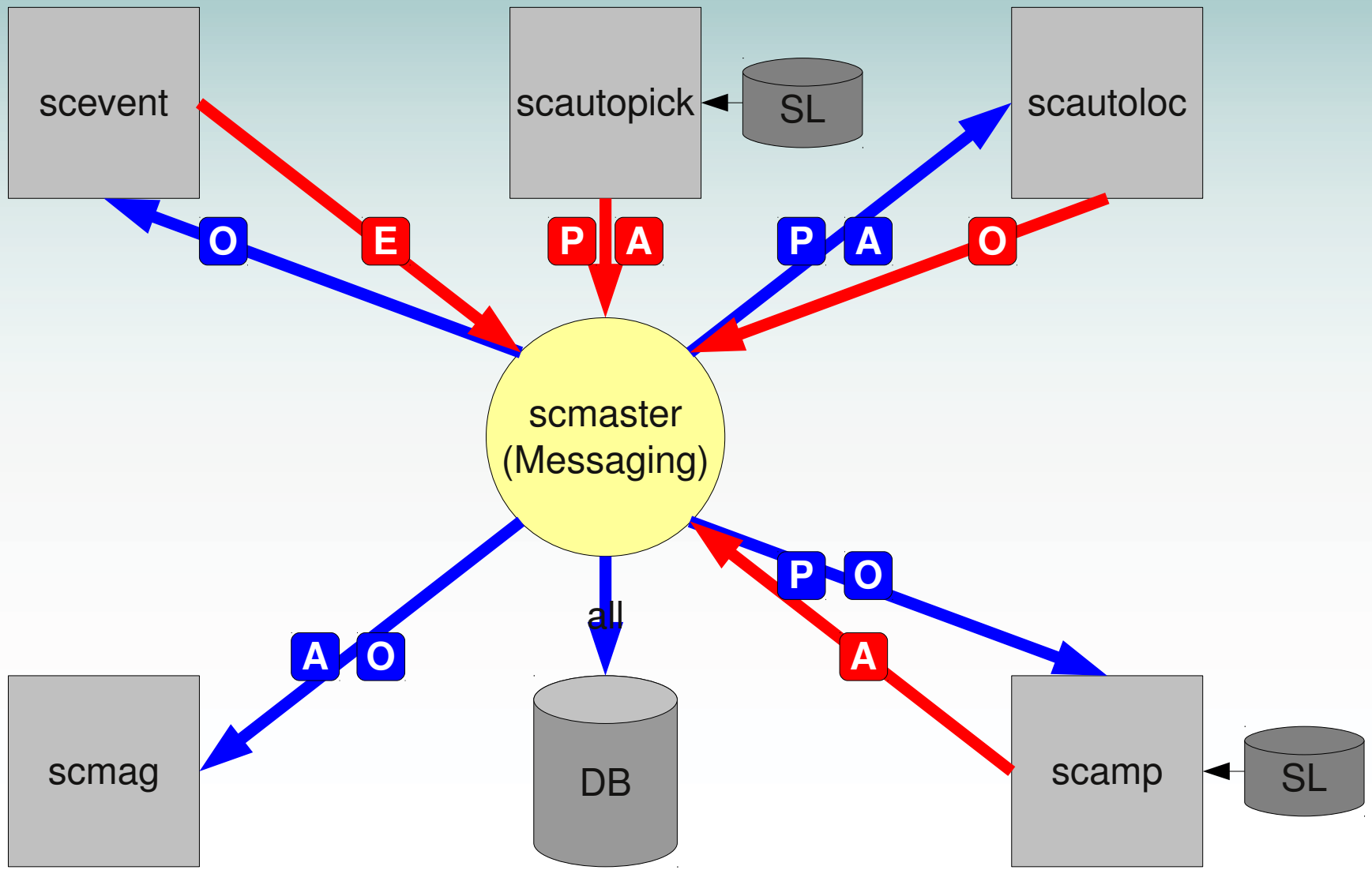
Modules connected to LOCATION group receive origins

SeisComP3 workflow



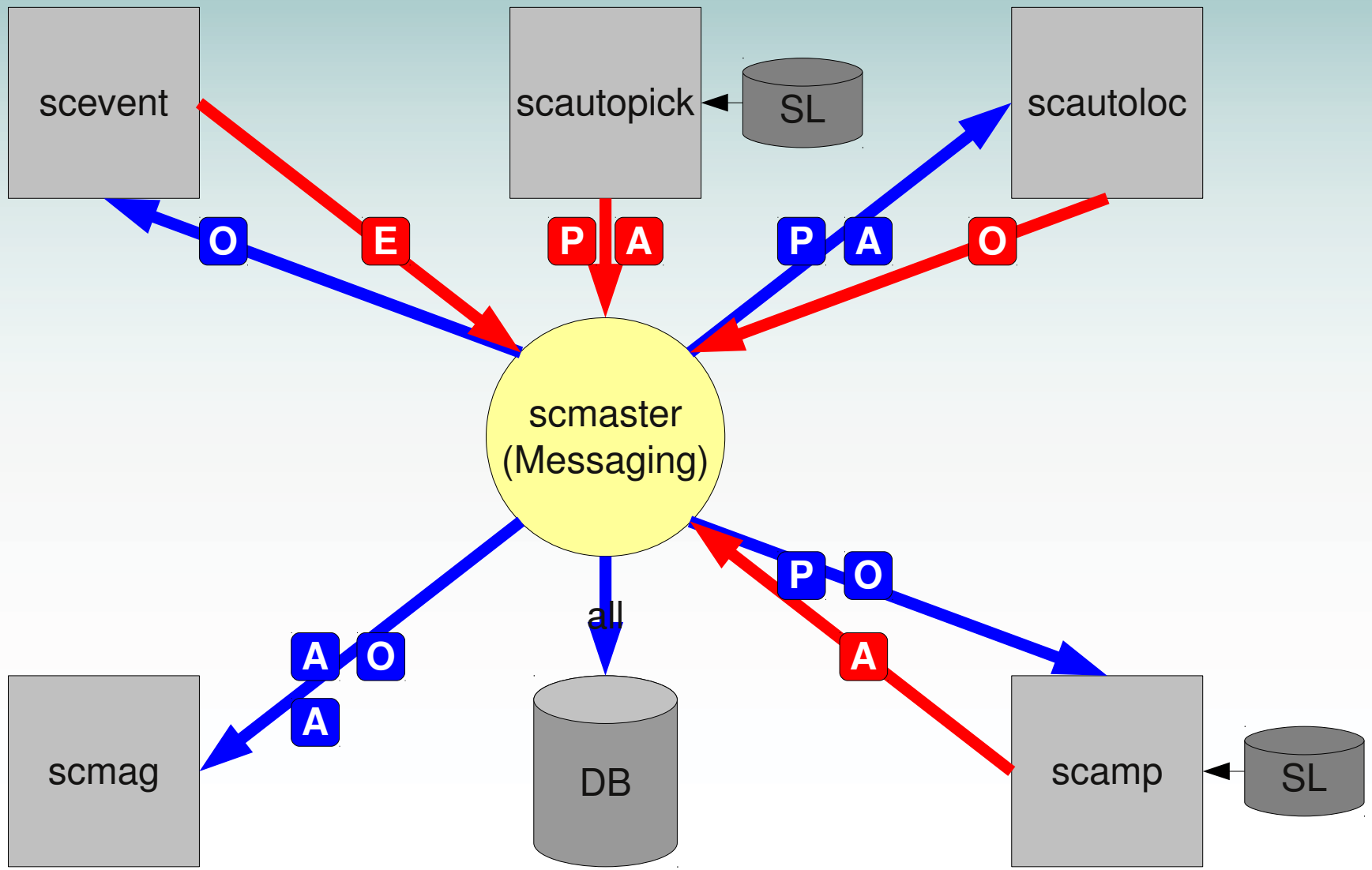
scevent receives the origin and creates a new event and sends it to the EVENT group

SeisComP3 workflow



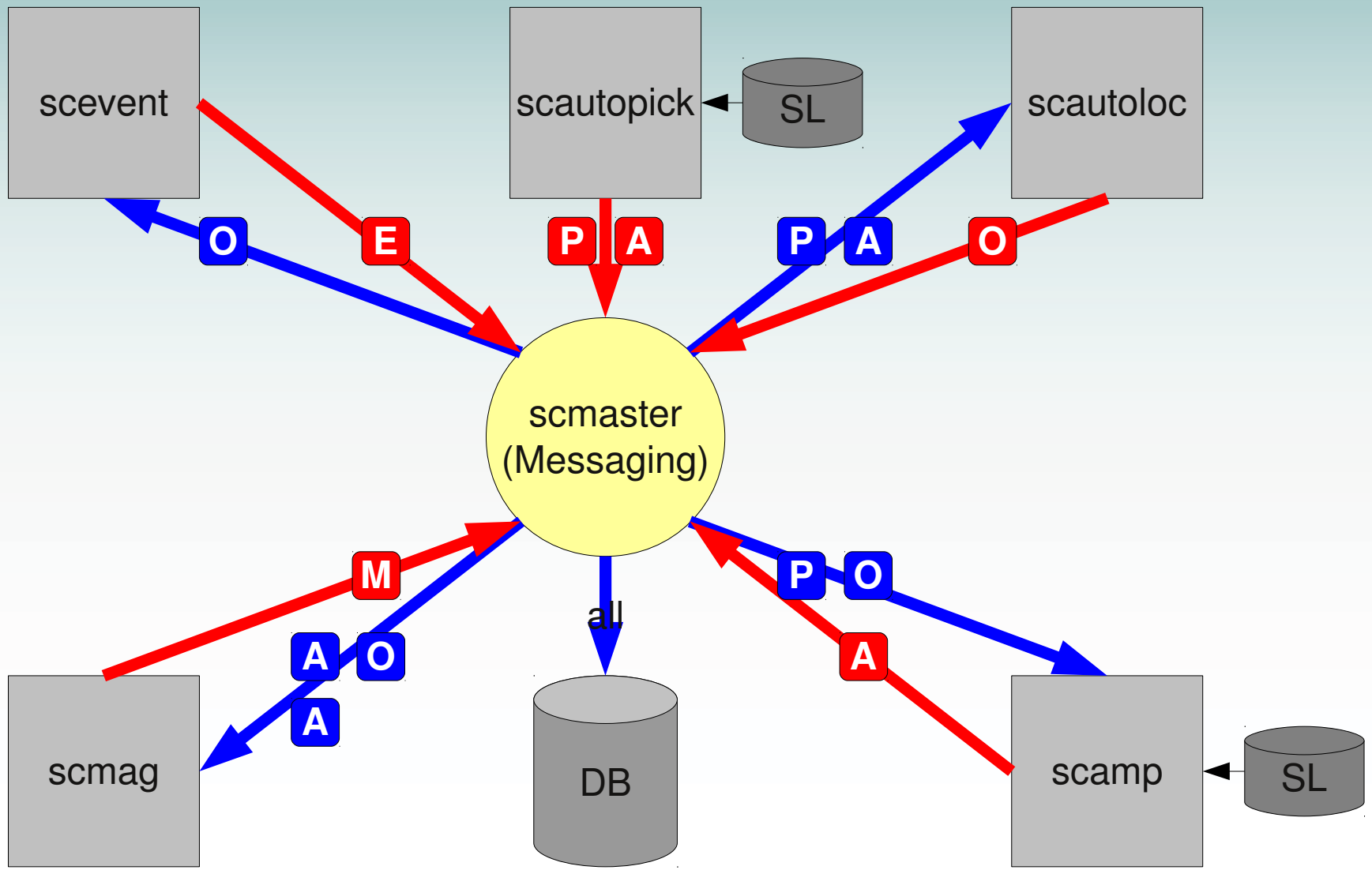
scamp calculates additional amplitudes and sends them to the AMPLITUDE group

SeisComP3 workflow



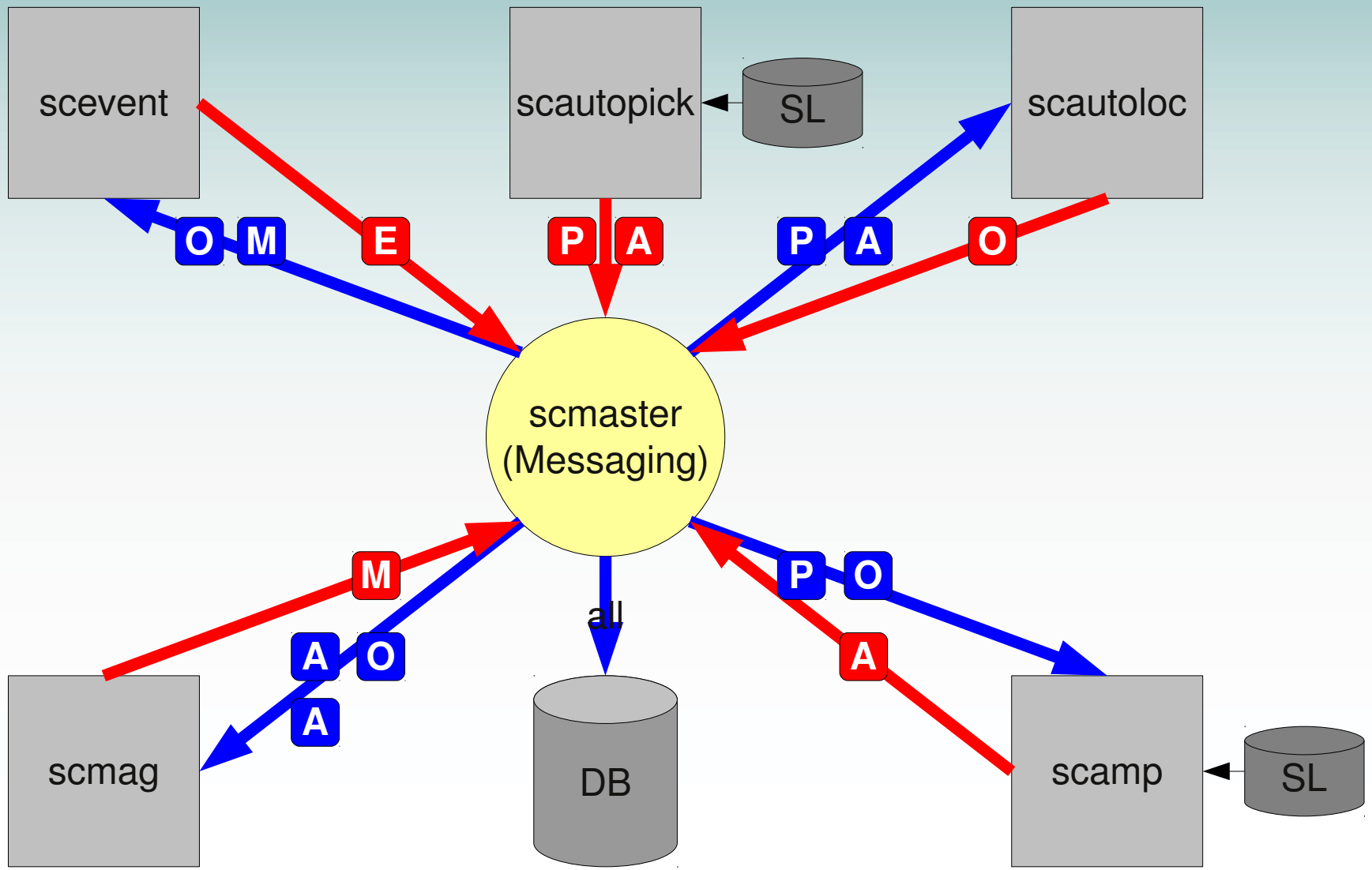
scmag receives additional amplitudes

SeisComP3 workflow



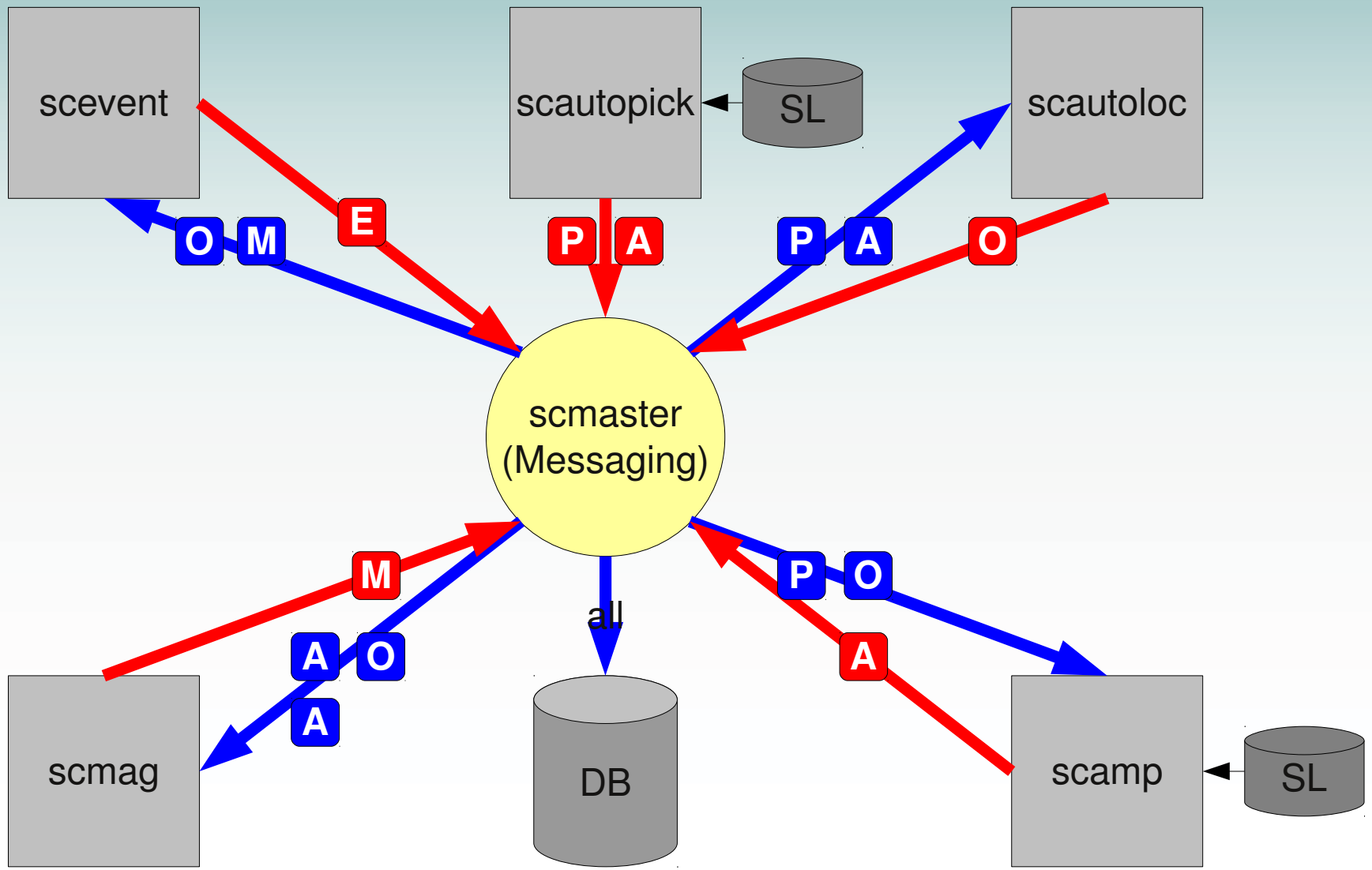
scmag sends the on amplitudes and origins calculated magnitudes to the MAGNITUDE group

SeisComP3 workflow



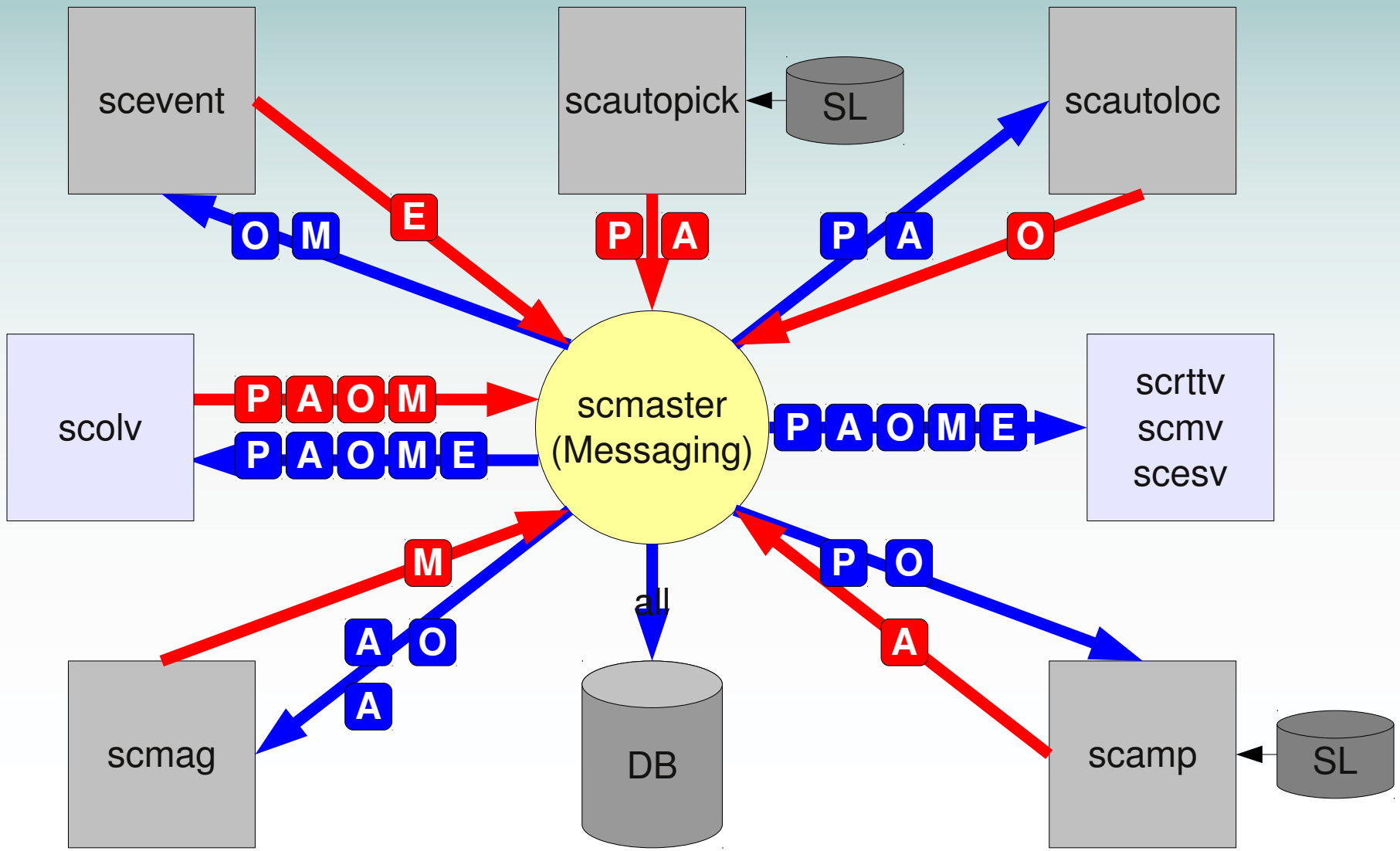
scevent receives the magnitudes and sets the preferred one

SeisComP3 workflow



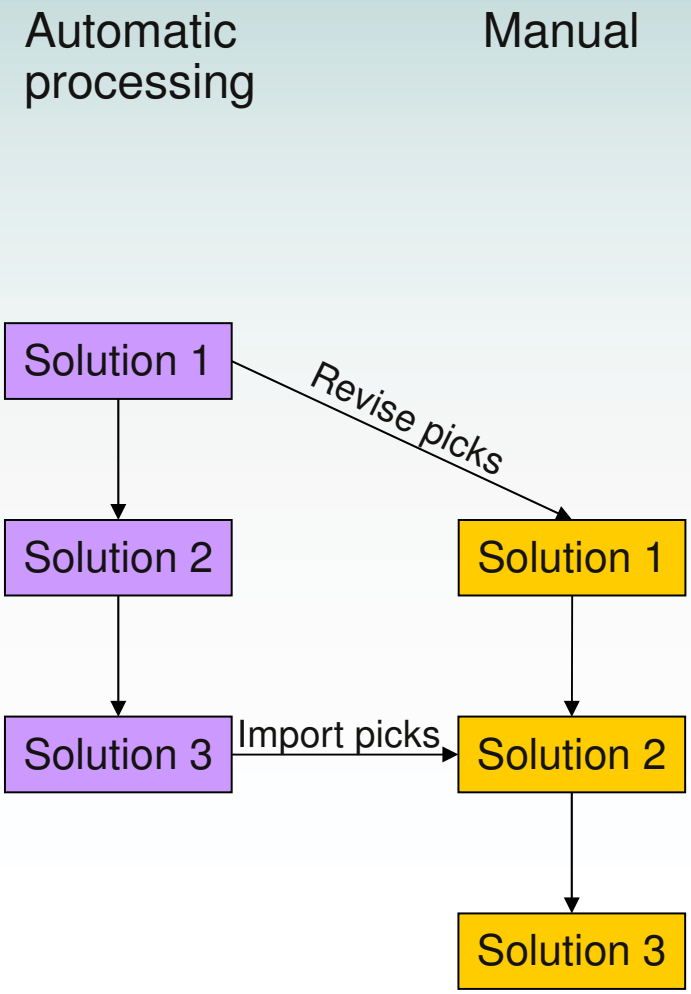
and sends a event update to the EVENT group

SeisComP3 workflow



The GUIs receive all event information and displays them

Start with automatic solution



Start with manual solution