CR-SIM Future upgrades and applications

WRF
SAM
DHARMA

Radar

Lidar

MWR

Single instrument (L2A) and Instrument network (L2B) Products (e.g., 3DVAR-VV ARSCL)
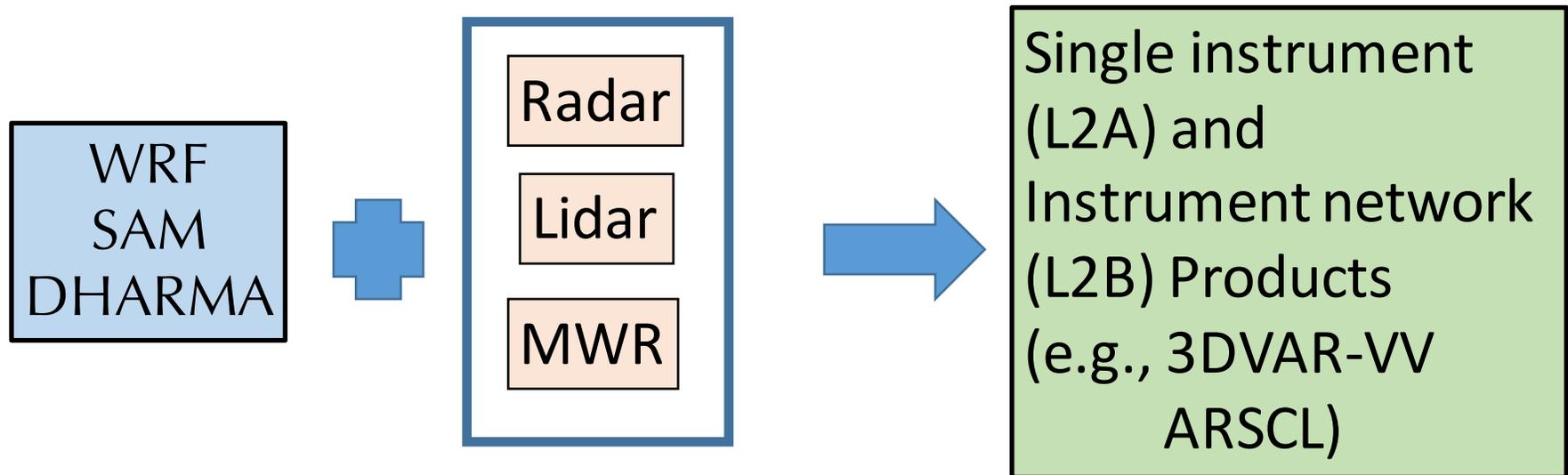
The CR-SIM 2.0 source code and extensive user manual (56 pages) are available at http://radarscience.weebly.com/radar-simulators.html

Support for interfacing models is provided by:
Aleksandra Tatarevic (aleksandra.tatarevic@mcgill.ca)
Mariko Oue (mariko.oue@stonybrook.edu)

Next: Work with Ryzhkov and Snider to introduce improved forward operator

Radar Doppler spectra Simulator
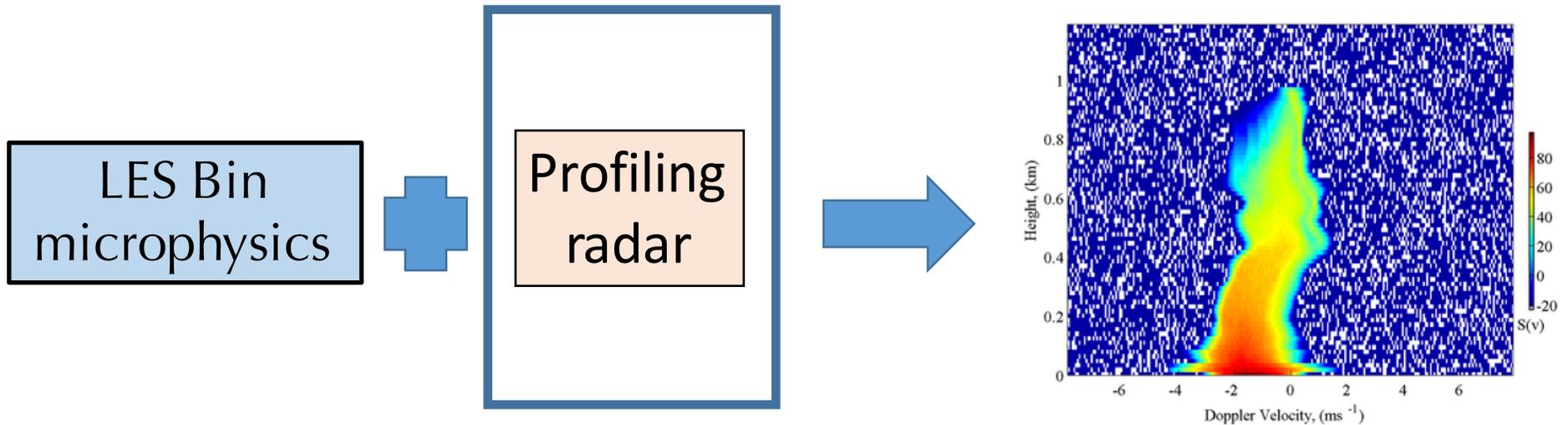
First version of the radar Doppler spectra simulator and manual is available at:
http://radarscience.weebly.com/software.html

Support for interfacing models is provided by:
Pavlos Kollias (pavlos.kollias@stonybrook.edu)
Jasmine Remillard (jasmine.remillard@stonybrook.edu)

Next: Work with PSU to introduce ice scattering libraries and