

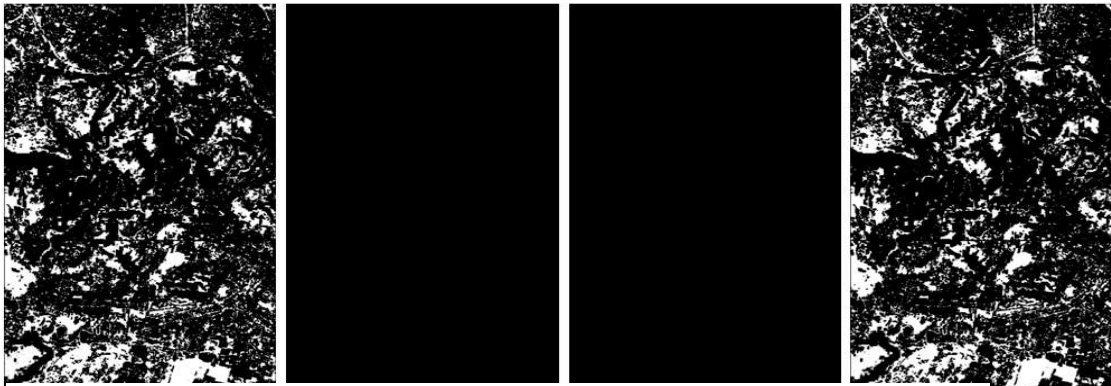


Military Vehicle Mobility



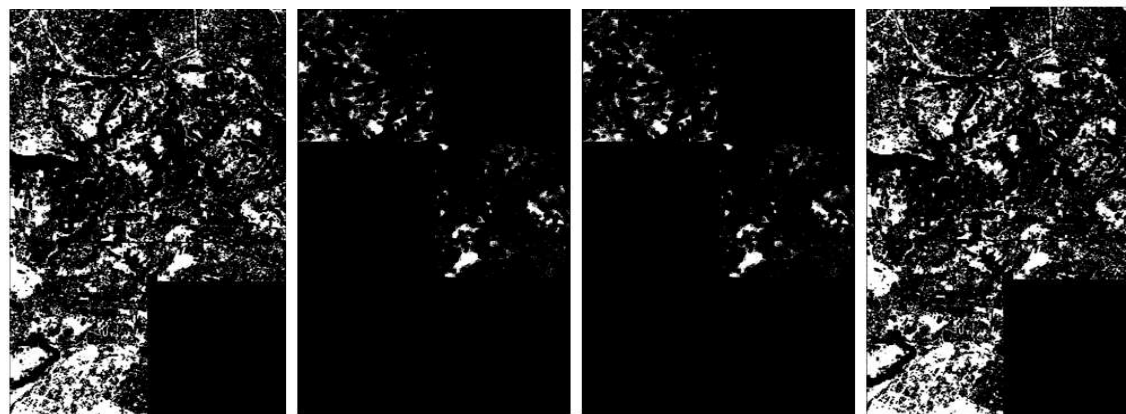
Lockheed Martin, Derek Ward

Mobility Map **without using** SMAP data,
Assuming soil 30% saturation



White denotes areas identified as GO mobility for 4 vehicle types.

Mobility Map **using** SMAP data,
With a continuum of soil moisture information



*With SMAP, we are better able to predict mobility of vehicles in **Central Indonesia**.*

NATO Reference Mobility Model is the basis for the calculations.

HumVee

ATV

Transport
Truck

Light
Truck