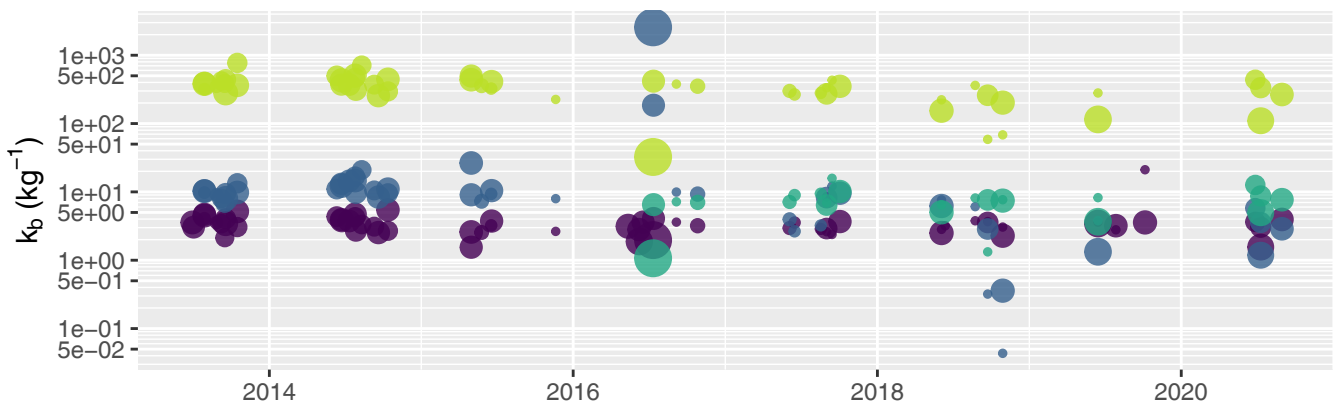


D_{50} (mm) ● 20 ● 40 ● 60

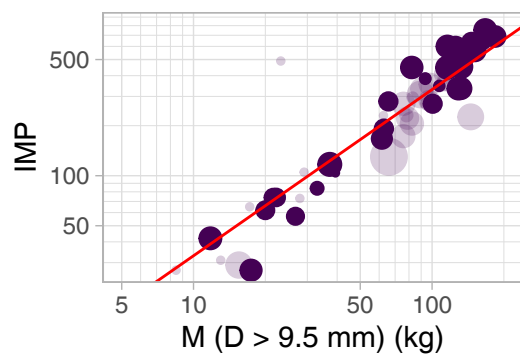
Sensor Type

● SPG ● GP-Acc ● MPA ● JPM

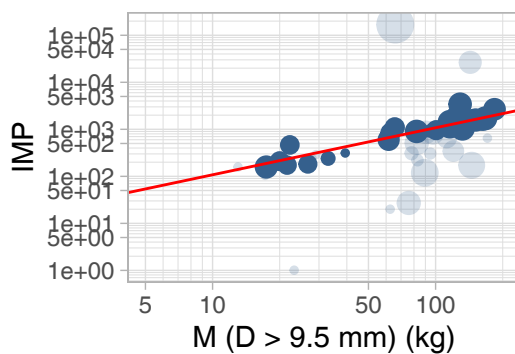
(a)



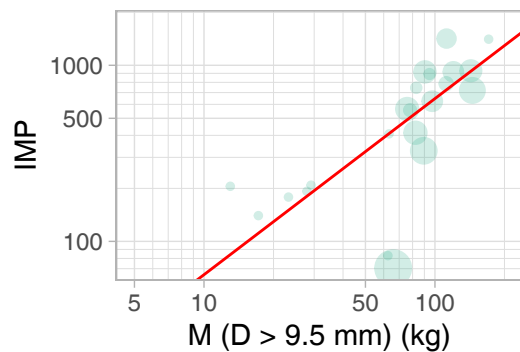
(b) SPG : $y = 3.3x$, $R^2 = 0.86$



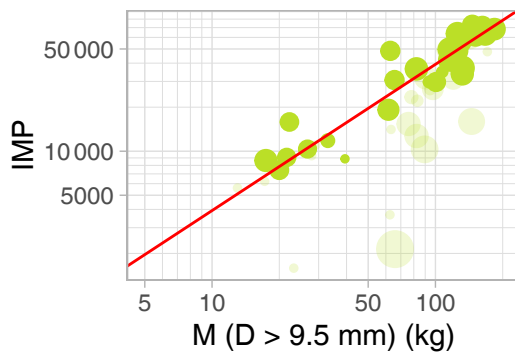
GP-Acc : $y = 10.8x$, $R^2 = 0.87$



MPA : $y = 6.5x$, $R^2 = 0.58$



JPM : $y = 392.5x$, $R^2 = 0.87$



● after June 2016
● before June 2016