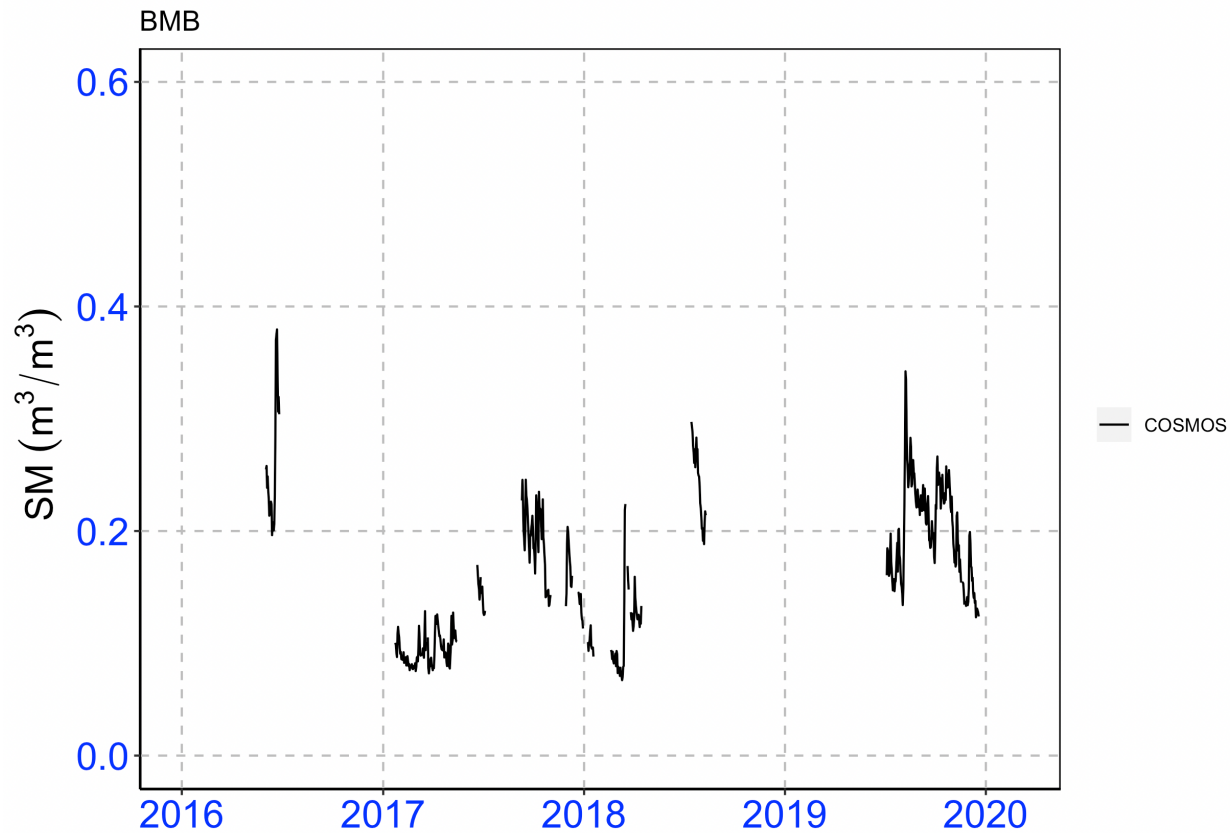


Supplementary material

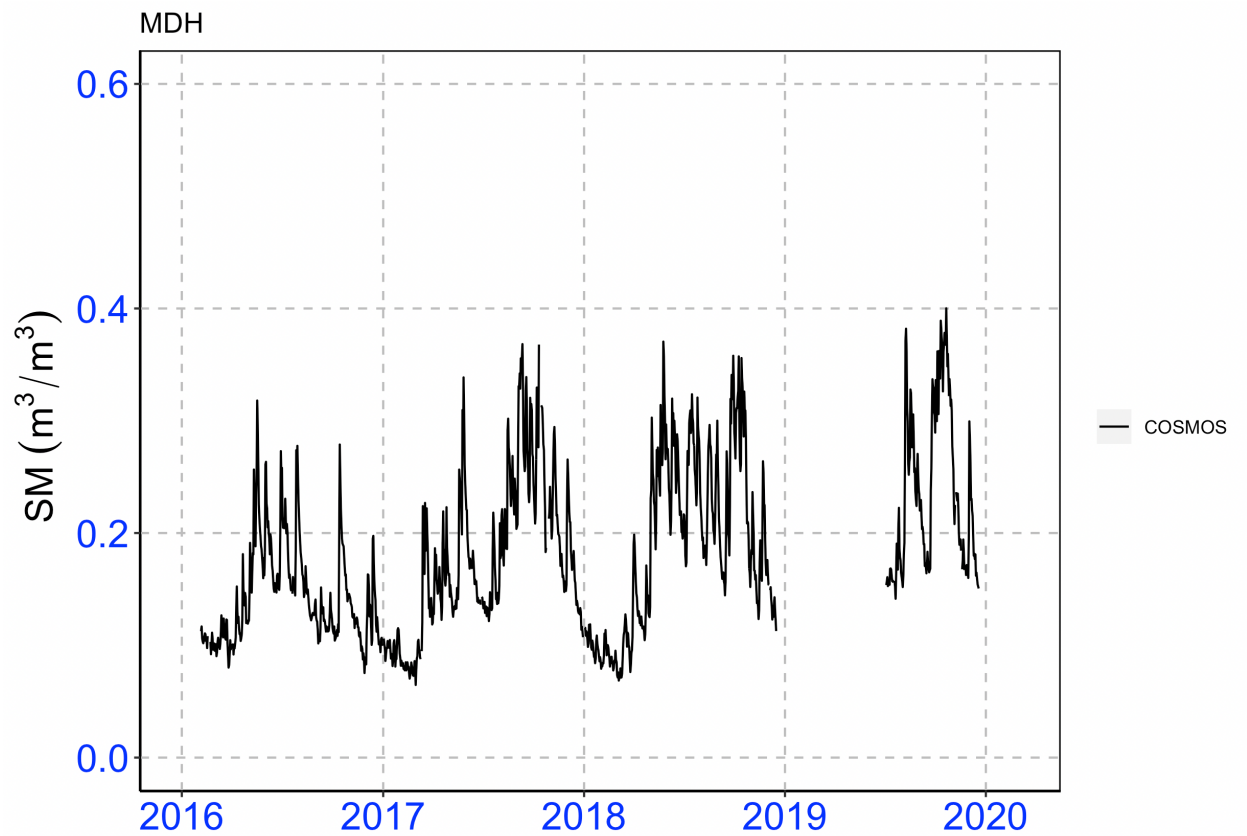
a) Berambadi



Start_Date	20/09/15
End_Date	19/12/19
Num_Data	490
Perc_data	31.572

Figure 1.1 Time series of COSMOS soil moisture at site Berambadi

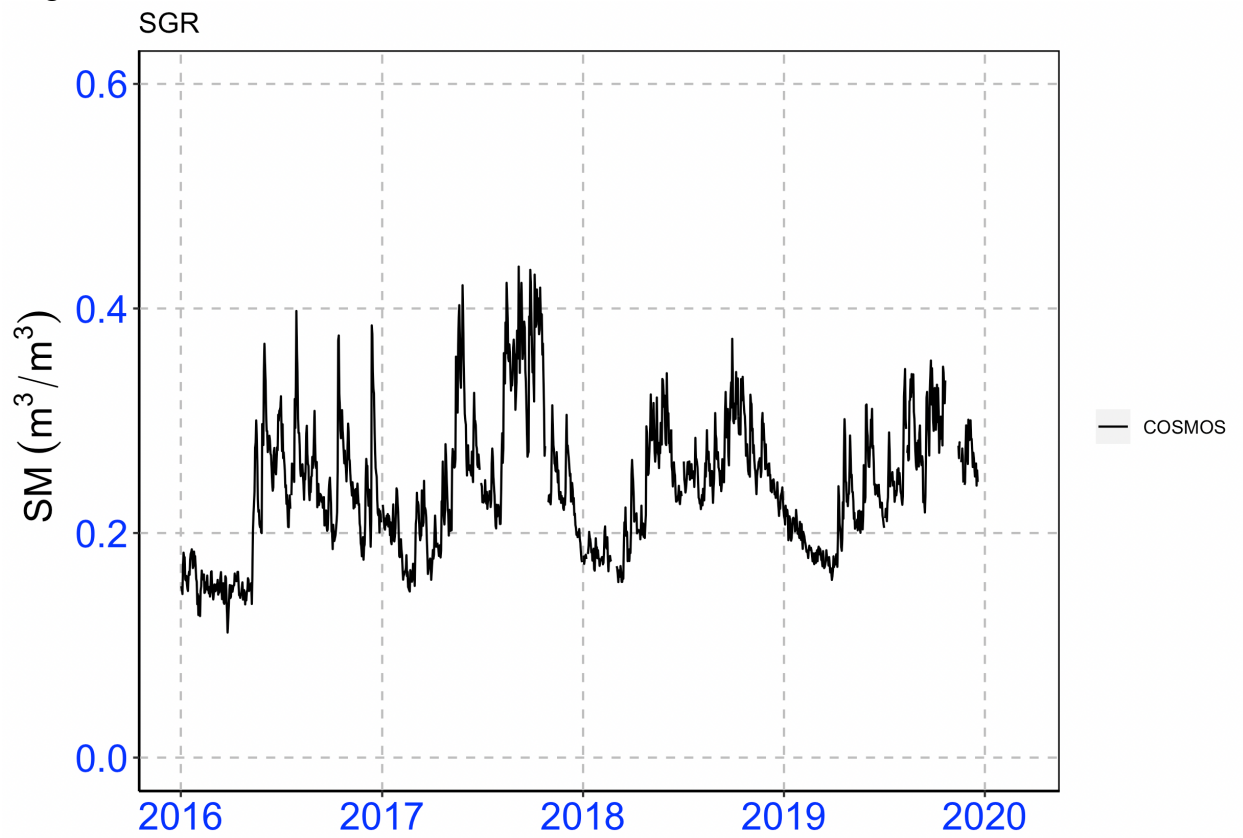
b) Madahalli



Start_Date	05/02/16
End_Date	19/12/19
Num_Data	1193
Perc_data	84.371

Figure 1.2 Time series of COSMOS soil moisture at site Madahalli

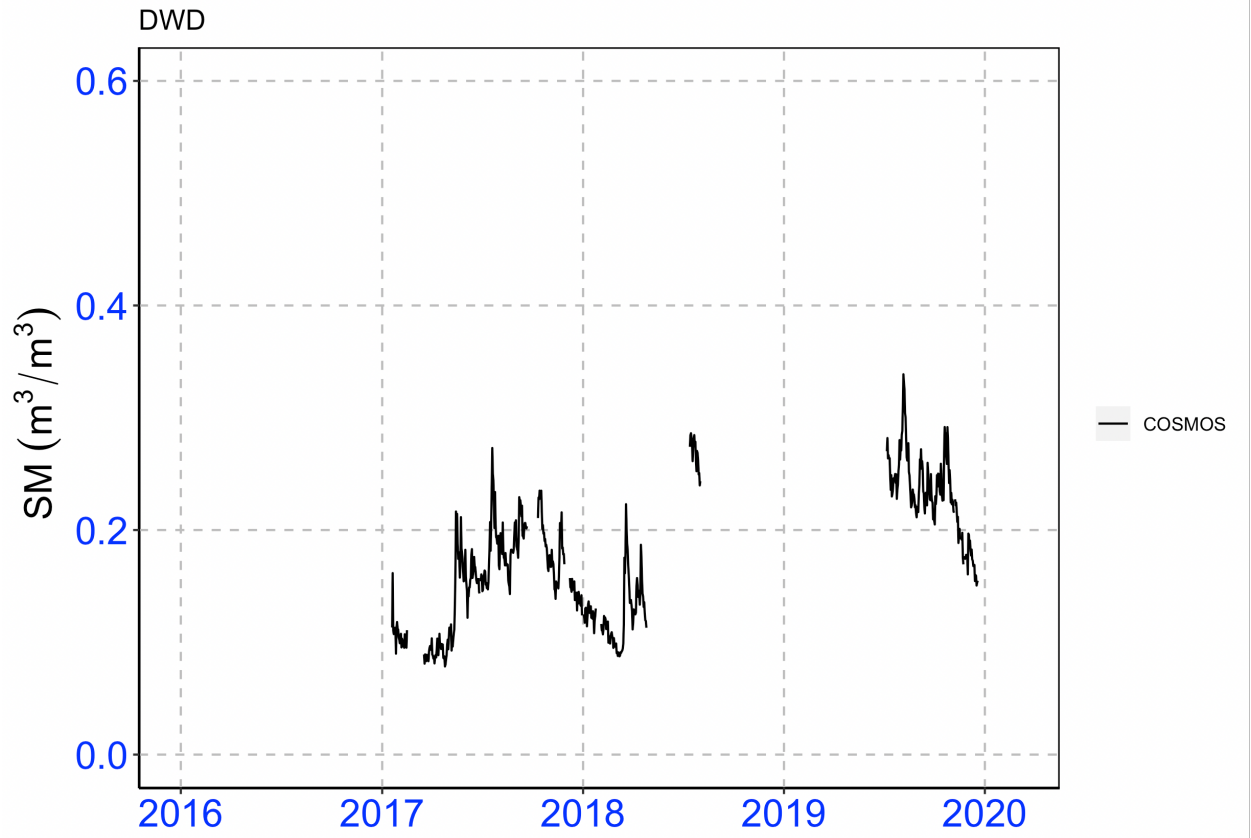
c) Singanallur



Start_Date	09/06/15
End_Date	19/12/19
Num_Data	1513
Perc_data	91.420

Figure 1.3 Time series of COSMOS soil moisture at site Singanallur

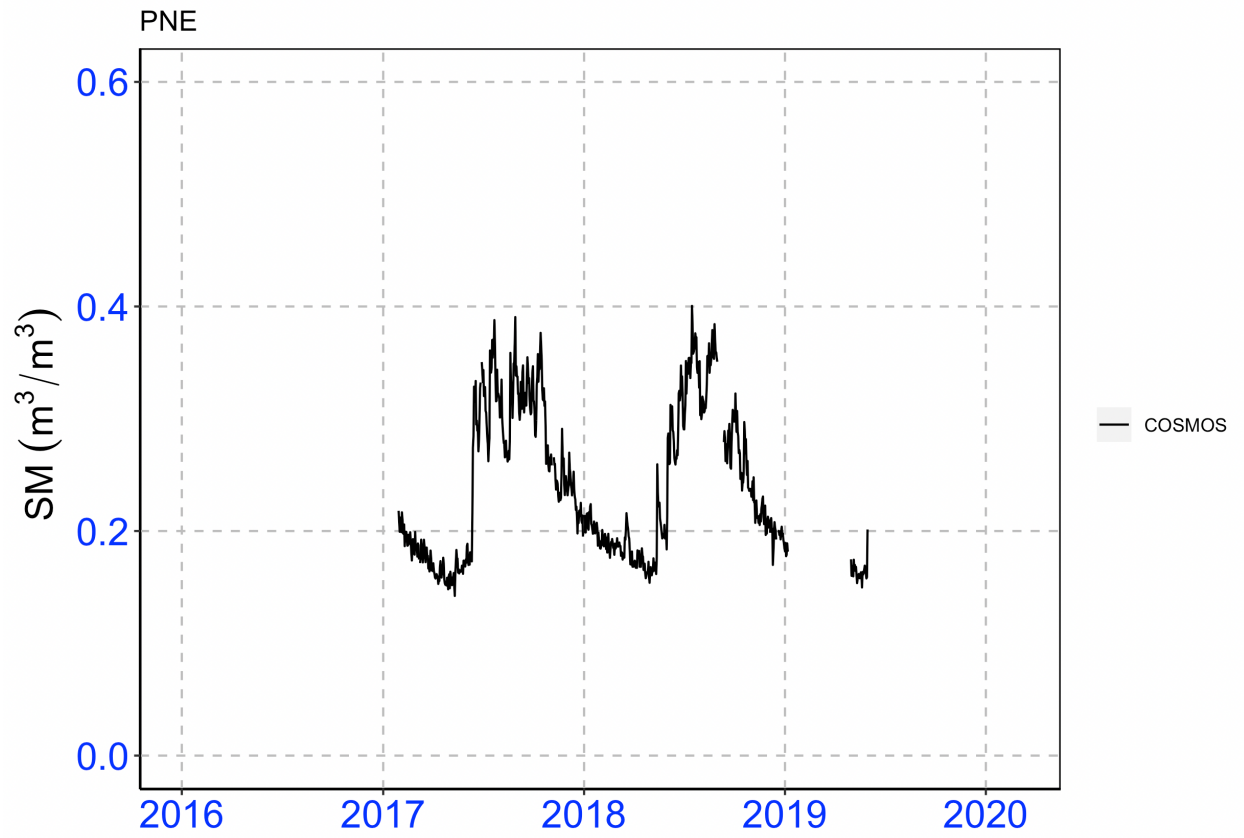
d) Dharwad



Start_Date	12/02/16
End_Date	19/12/19
Num_Data	576
Perc_data	40.938

Figure 1.4 Time series of COSMOS soil moisture at site Dharwad

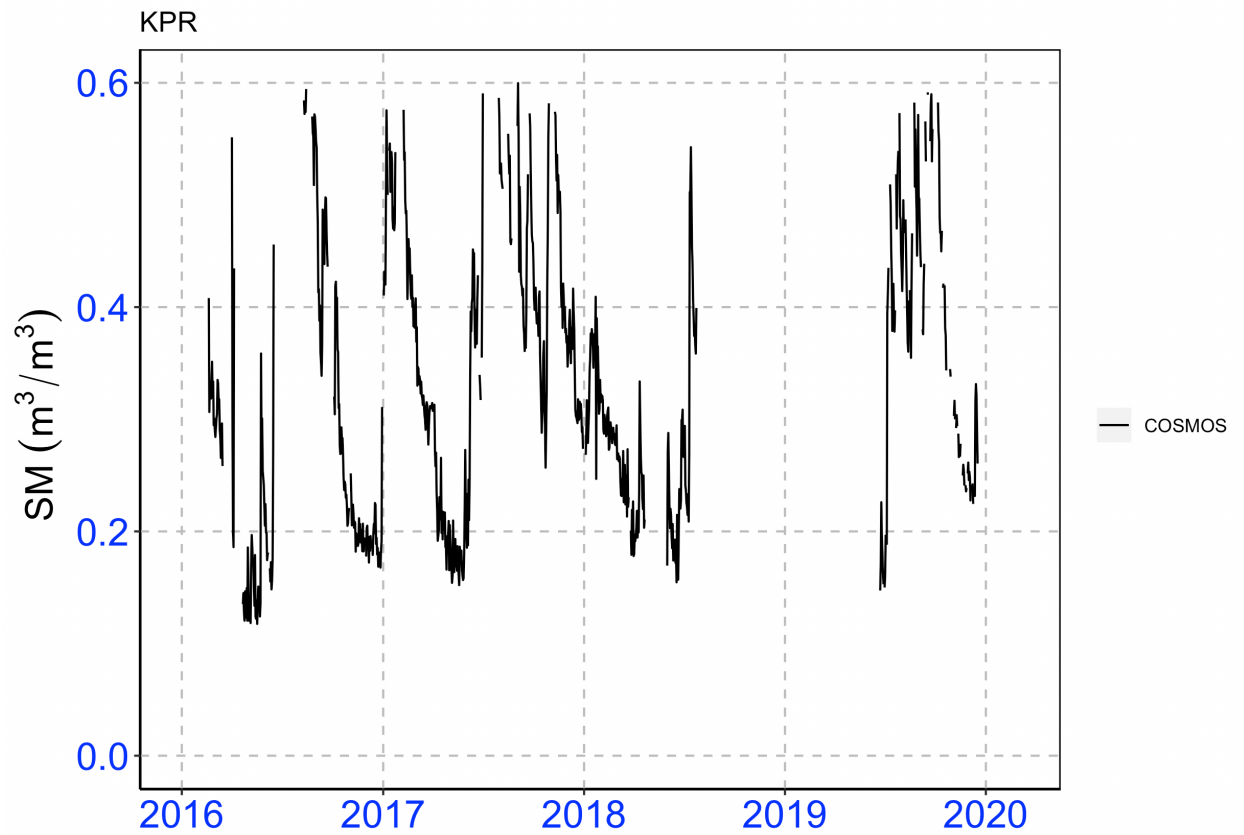
e) Pune



Start_Date	29/01/17
End_Date	31/05/19
Num_Data	719
Perc_data	84.291

Figure 1.5 Time series of COSMOS soil moisture at site Pune

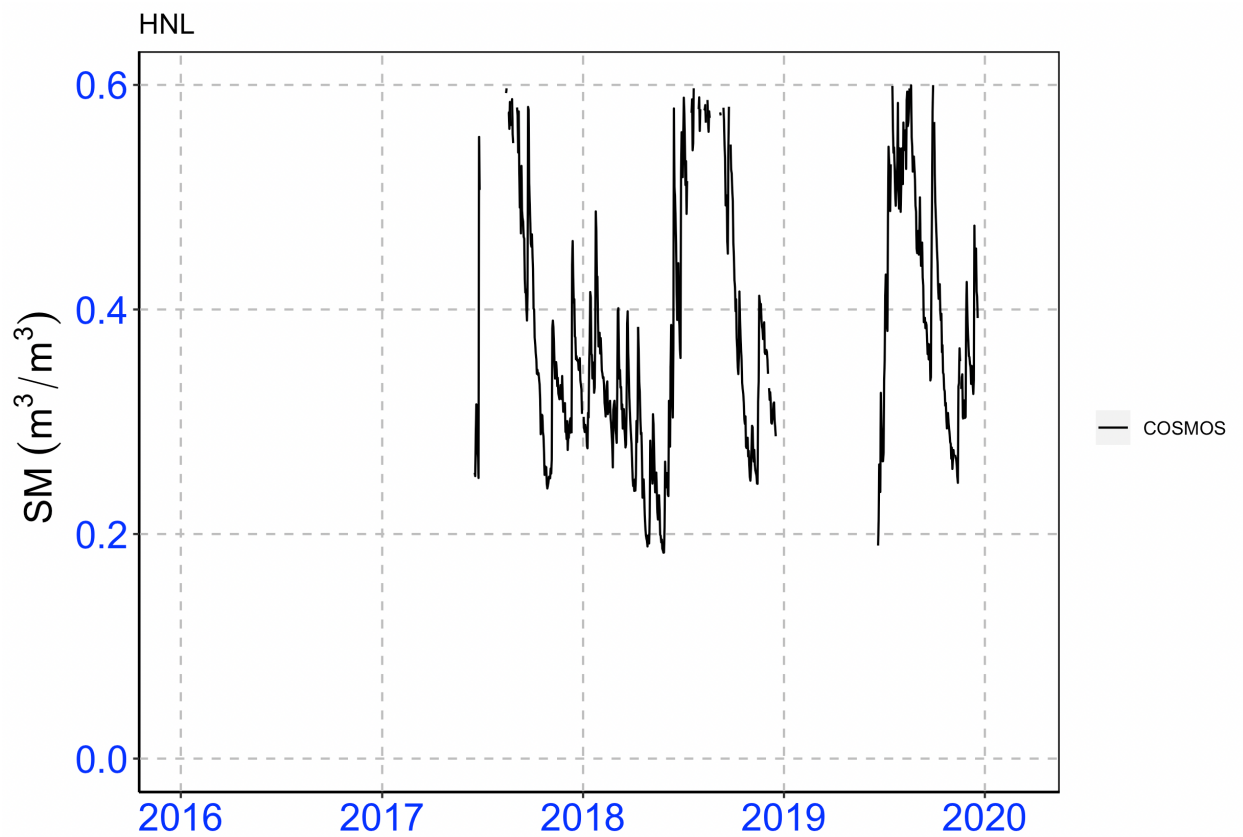
f) Kanpur



Start_Date	19/02/16
End_Date	19/12/19
Num_Data	945
Perc_data	67.5

Figure 1.6 Time series of COSMOS soil moisture at site Kanpur

g) Henval



Start_Date	18/06/17
End_Date	19/12/19
Num_Data	723
Perc_data	79.016

Figure 1.7 Time series of COSMOS soil moisture at site Henval