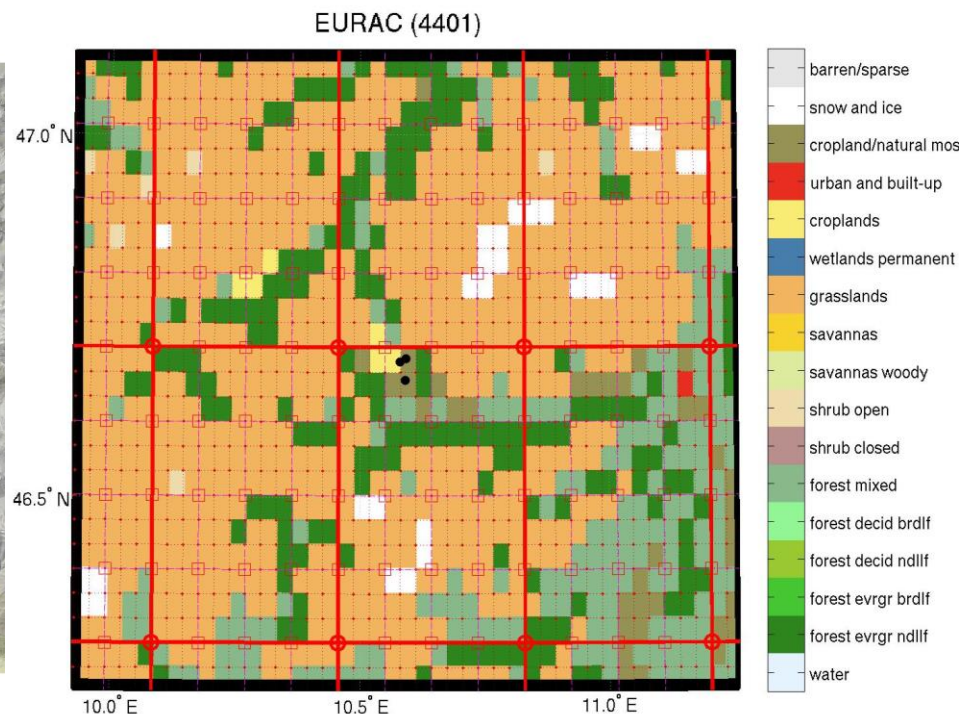
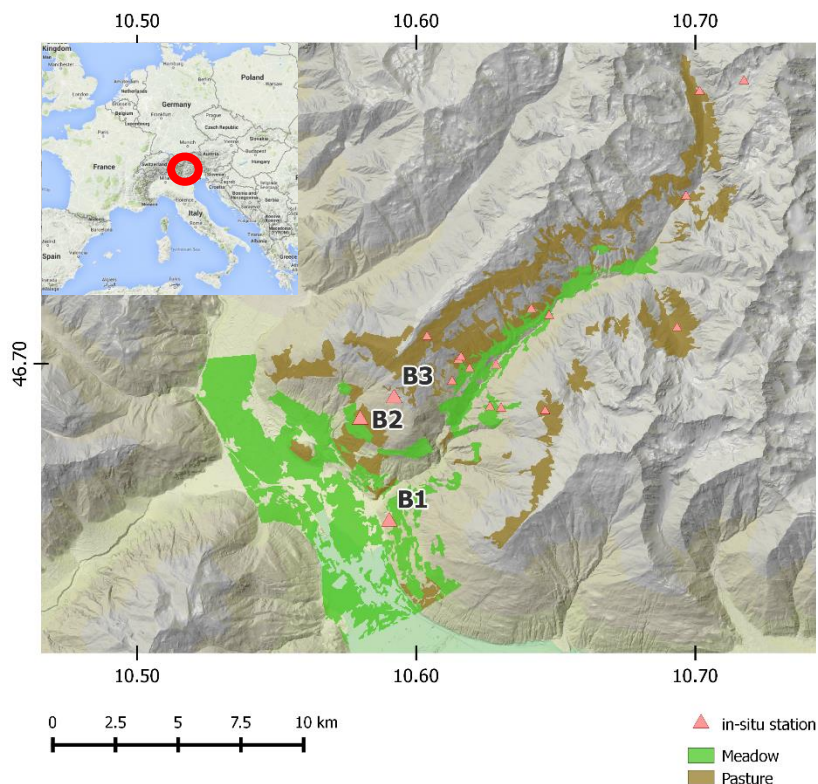




EURAC soil moisture monitoring site Mazia Valley, Italy

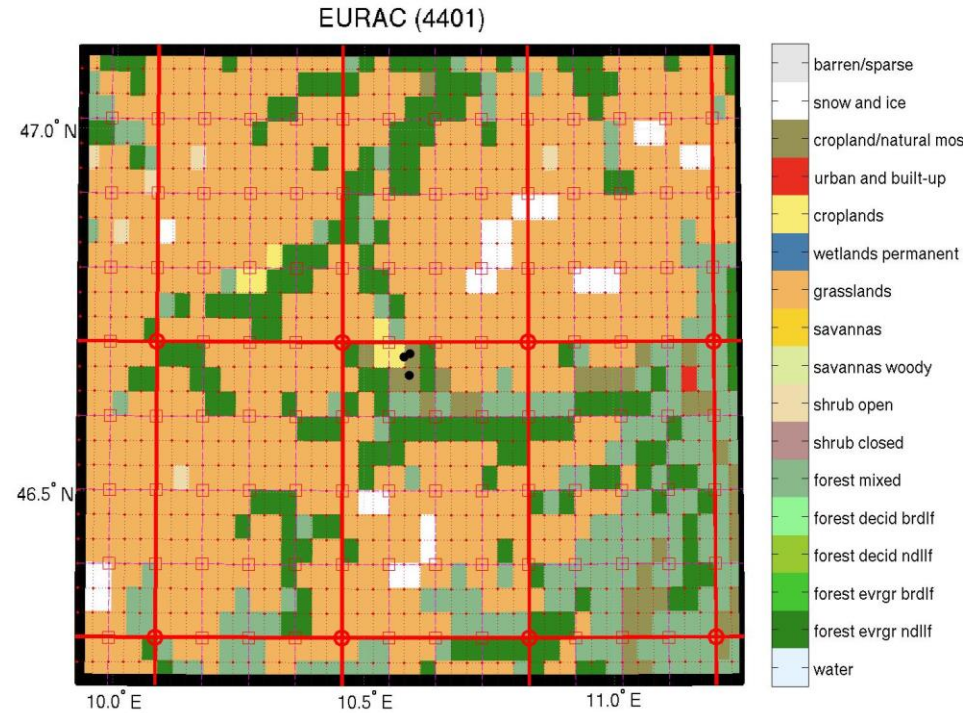
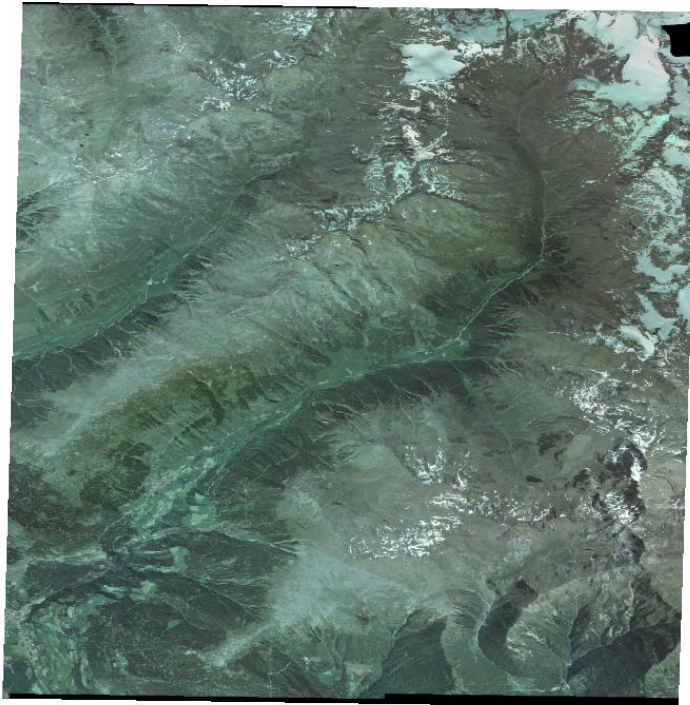
F Greifeneder, C Notarnicola, G Niedrist, S della Chiesa, G Bertoldi, U Tappeiner, M Zebisch,
N Pierdicca (UNI Sapienza), S Paloscia (CNR-IFAC)



Mazia Valley, South Tyrol, Italy

- Total area: ~100km²
- Altitude: 920 - 3738m a.s.l.
- Main land-cover: pastures and meadows
- Mean annual precip.: ~550 mm

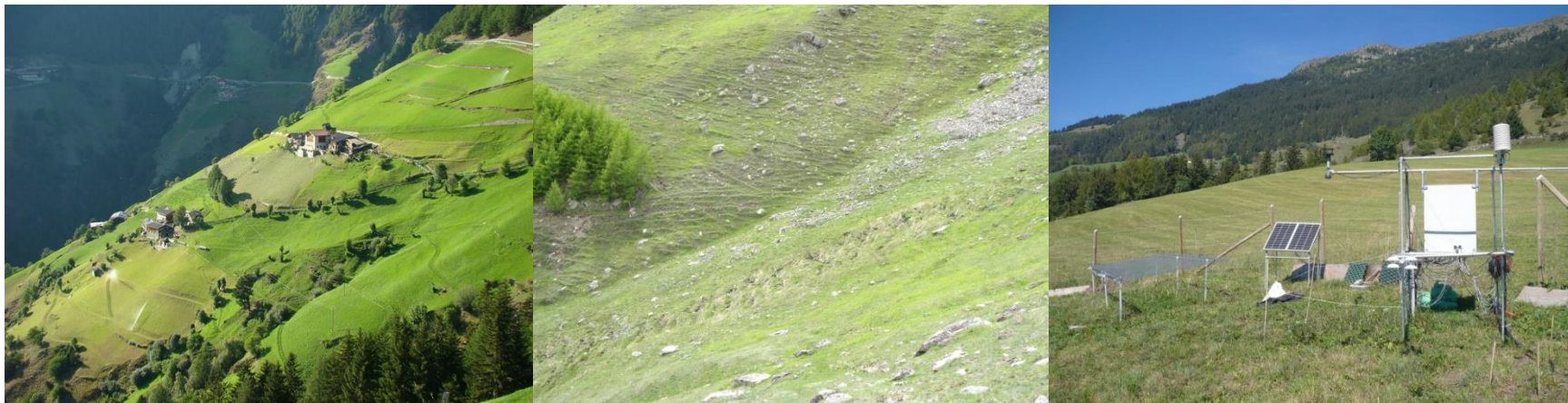
- 21 monitoring stations
- Time-series starting in 2009
- Calibration with gravimetric samples and mobile TDR measurements in several field campaigns



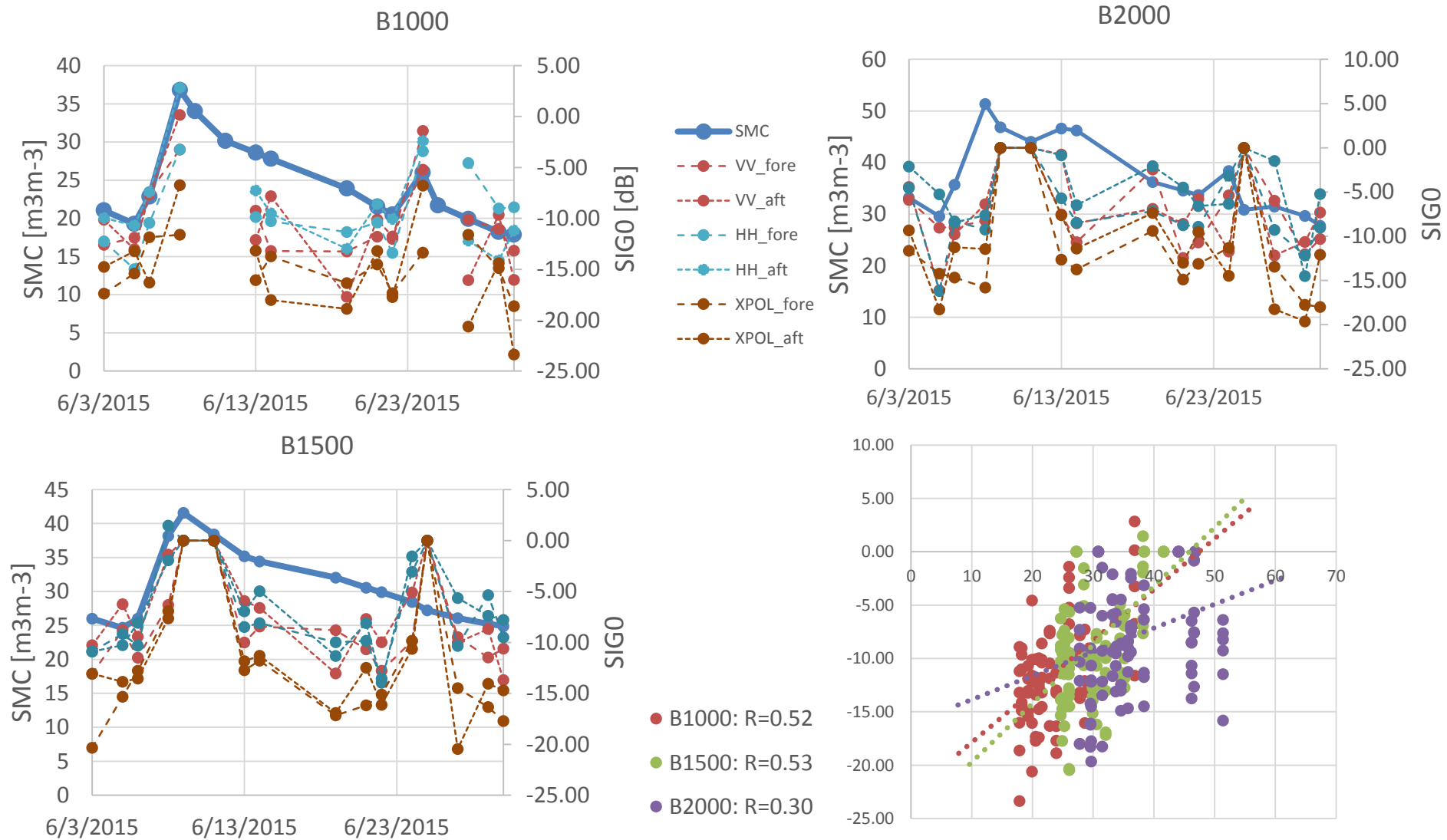
Mazia Valley, South Tyrol, Italy

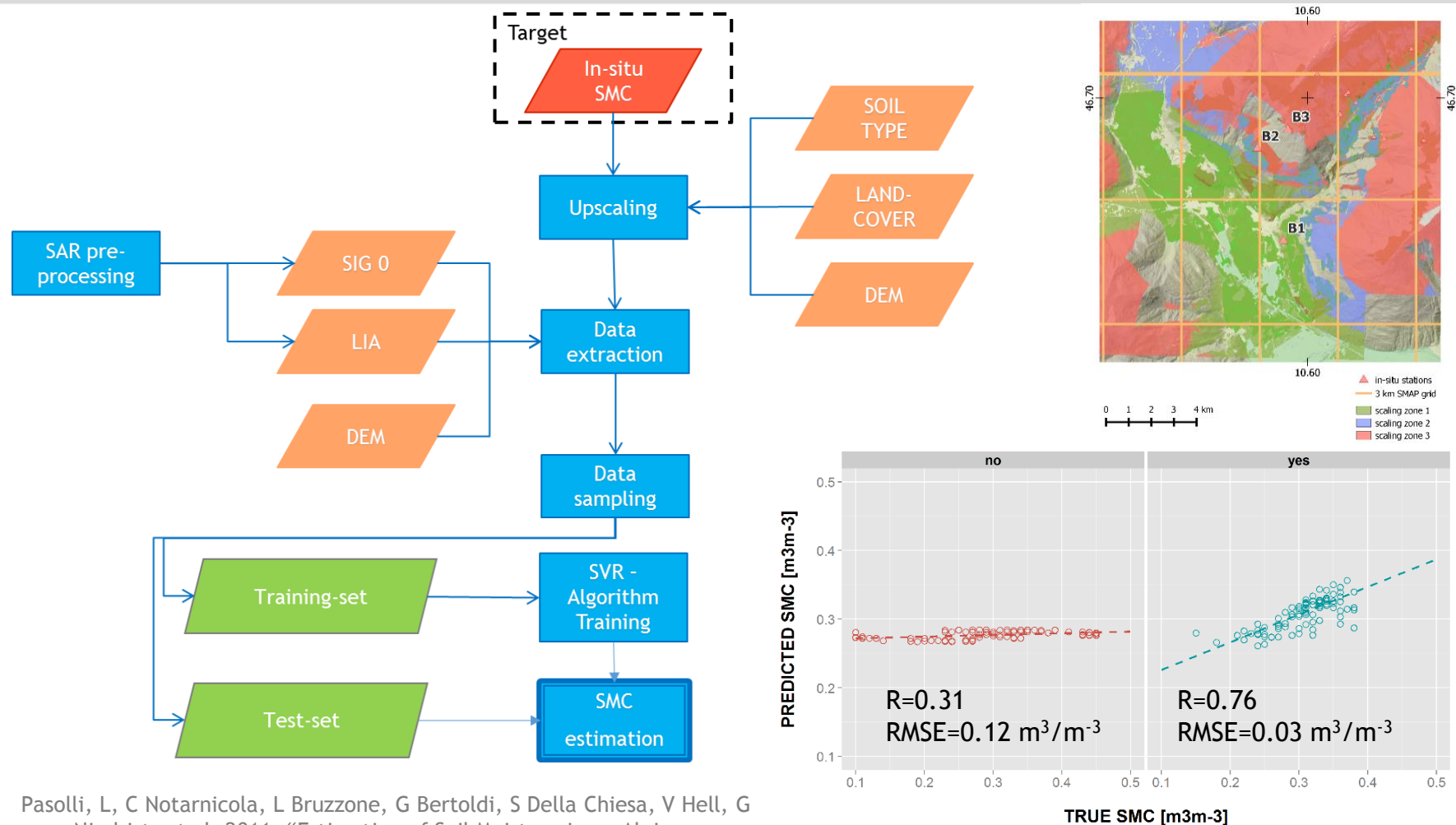
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Site name	ID	#	Variables (depth)
Schluderns/Sluderno (B1000)	4401	1	<u>SM* at 5 and 20cm</u> (2 replicates) ST at 0.5, 5, 10, 20 and 50cm depth, PREC. Tair (both at 2m) manually downloadable by GSM connection. (Decagon sensor)
Muntetsching (B1500)		1(6)	<u>SM at 5 and 20cm</u> (2 replicates) ST at 0.5, 5, 10, 20 and 50cm depth, PREC. Tair (both at 2m) manually downloadable by GSM connection. (5 more replicates of SM profiles will be installed in autumn 2013)
Tartscher Leger (B2000)		1	<u>SM at 5 and 20cm</u> (2 replicates) ST at 0.5, 5, 10, 20 and 50cm depth, PREC. Tair (both at 2m) manually downloadable by GSM connection.





Pasolli, L, C Notarnicola, L Bruzzone, G Bertoldi, S Della Chiesa, V Hell, G Niedrist, et al. 2011. "Estimation of Soil Moisture in an Alpine Catchment with RADARSAT2 Images." *Applied and Environmental Soil Science* 2011: 1-12.