

Table 1. Current and scheduled 1–10 deg² multiwavelength coverage of the XMM-SERVS fields. References: [a] Franzen et al. (2015); [b] Jarvis et al. (2017); [c] Oliver et al. (2012); [d] Lonsdale et al. (2003); [e] Mauduit et al. (2012). Note that SERVS has recently been expanded to cover the full LSST deep drilling fields (*Spitzer* Program ID 11086). [f] Jarvis et al. (2012); [g] http://www.ast.cam.ac.uk/~mbanerji/VEILS/veils_index.html; [h] <http://euclid2017.london/slides/Monday/Session3/SurveyStatus-Scaramella.pdf>; [i] Diehl et al. (2014); [j] Aihara et al. (2018); [k] Tonry et al. (2012); [l] Vaccari et al. (2016); [m] <http://www.lsst.org/News/enews/deep-drilling-201202.html>; [n] Kelson et al. (2014); Patel et al. (2015); [o] Coil et al. (2011); [p] <https://devilsurvey.org/wp/>; [q] <http://www.roe.ac.uk/~ciras/MOONS/VLT-MOONS.html>; [r] Takada et al. (2014); [s] <http://www.galex.caltech.edu/researcher/techdoc-ch2.html>. [t] <http://personal.psu.edu/wnb3/xmmservs/xmmservs.html>.

Band	Survey Name	Coverage (XMM-LSS, W-CDF-S, ELAIS-S1); Notes
Radio	Australia Telescope Large Area Survey (ATLAS) ^a MIGHTEE Survey (Starting Soon) ^b	–, 3.7, 2.7 deg ² ; 15 μ Jy rms depth at 1.4 GHz 4.5, 3, 4.5 deg ² ; 1 μ Jy rms depth at 1.4 GHz
FIR	<i>Herschel</i> Multi-tiered Extragal. Surv. (HerMES) ^c	0.6–18 deg ² ; 5–60 mJy depth at 100–500 μ m
MIR	<i>Spitzer</i> Wide-area IR Extragal. Survey (SWIRE) ^d	9.4, 8.2, 7.0 deg ² ; 0.04–30 mJy depth at 3.6–160 μ m
NIR	<i>Spitzer</i> Extragal. Rep. Vol. Survey (SERVS) ^e VISTA Deep Extragal. Obs. Survey (VIDEO) ^f VISTA Extragal. Infr. Legacy Survey (VEILS) ^g <i>Euclid</i> Deep Field ^h	4.5, 3, 4.5 deg ² ; 2 μ Jy depth at 3.6 and 4.5 μ m 4.5, 3, 4.5 deg ² ; <i>ZYJHK_s</i> to $m_{AB} \approx 23.8$ –25.7 3, 3, 3 deg ² ; <i>JK_s</i> to $m_{AB} \approx 24.5$ –25.5 –, 10, – deg ² ; <i>YJH</i> to $m_{AB} \approx 26$, <i>VIS</i> to $m_{AB} \approx 26.5$
Optical Photometry	Dark Energy Survey (DES) ⁱ Hyper Suprime-Cam (HSC) Deep Survey ^j Pan-STARRS1 Medium-Deep Survey (PS1MD) ^k VST Opt. Imaging of CDF-S and ES1 (VOICE) ^l SWIRE optical imaging ^d LSST deep-drilling field (Planned) ^m	9, 6, 9 deg ² ; Multi-epoch <i>griz</i> , $m_{AB} \approx 27$ co-added 5.3, –, – deg ² ; <i>grizy</i> to $m_{AB} \approx 25.3$ –27.5 8, –, 8 deg ² ; Multi-epoch <i>grizy</i> , $m_{AB} \approx 26$ co-added –, 4.5, 3 deg ² ; Multi-epoch <i>ugri</i> , $m_{AB} \approx 26$ co-added 8, 7, 6 deg ² ; <i>u'g'r'i'z'</i> to $m_{AB} \approx 24$ –26 10, 10, 10 deg ² ; <i>ugrizy</i> , $\gtrsim 10\,000$ visits per field
Optical/NIR Spectroscopy	Carnegie- <i>Spitzer</i> -IMACS Survey (CSI) ⁿ PRISM Multi-object Survey (PRIMUS) ^o AAT Deep Extragal. Legacy Survey (DEVILS) ^p VLT MOONS Survey (Scheduled) ^q Subaru PFS survey (Planned) ^r	6.9, 4.8, 3.6 deg ² ; 140 000 redshifts, 3.6 μ m selected 2.9, 2.0, 0.9 deg ² ; 77 000 redshifts to $i_{AB} \approx 23.5$ 3.0, 1.5, – deg ² ; 43 500 redshifts to $Y = 21.2$ 4.5, 3, 4.5 deg ² ; 210 000 redshifts to $H_{AB} \approx 23.5$ 5.3, –, – deg ² ; $J \approx 23.4$ for HSC deep fields
UV	<i>GALEX</i> Deep Imaging Survey ^s	8, 7, 7 deg ² ; Depth $m_{AB} \approx 25$
X-ray	XMM-SERVS ^t	5.3, 4.5, 3 deg ² ; 4.7 Ms <i>XMM-Newton</i> time, ≈ 50 ks depth