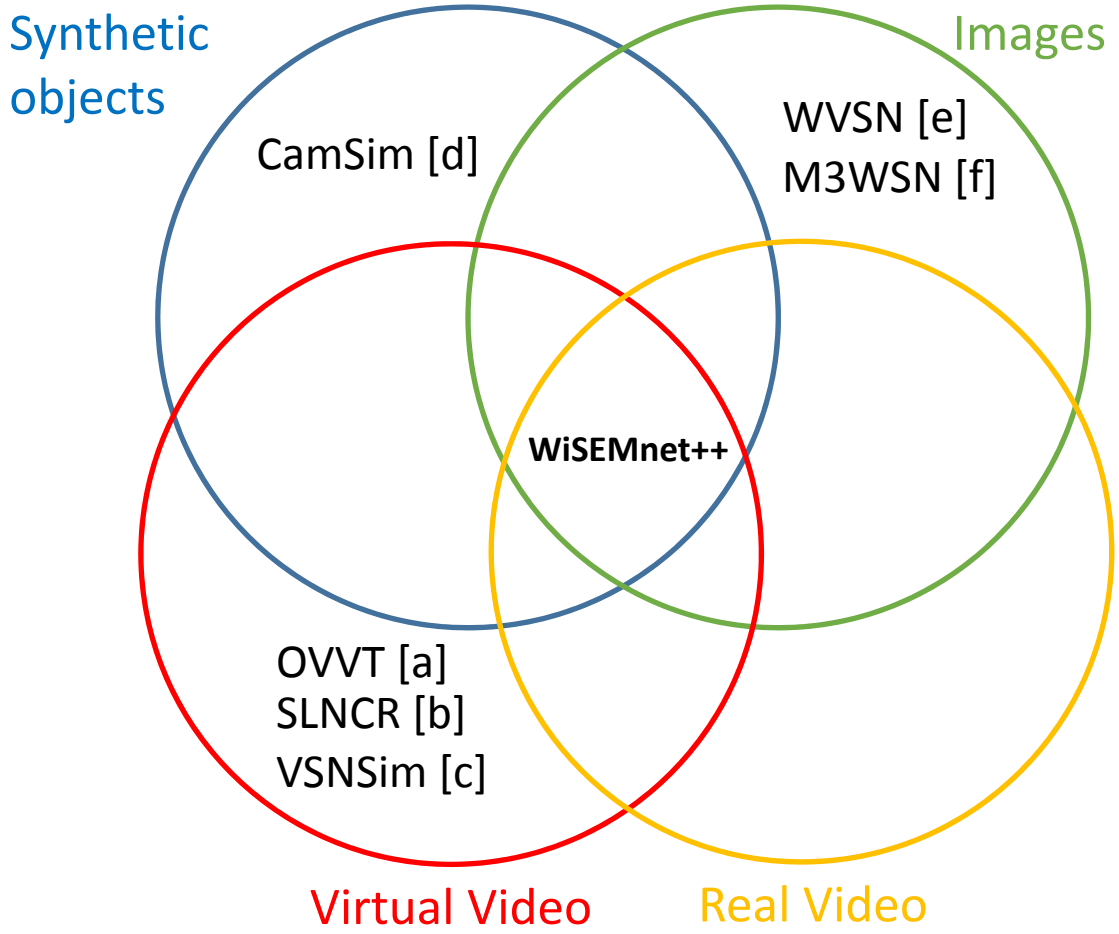
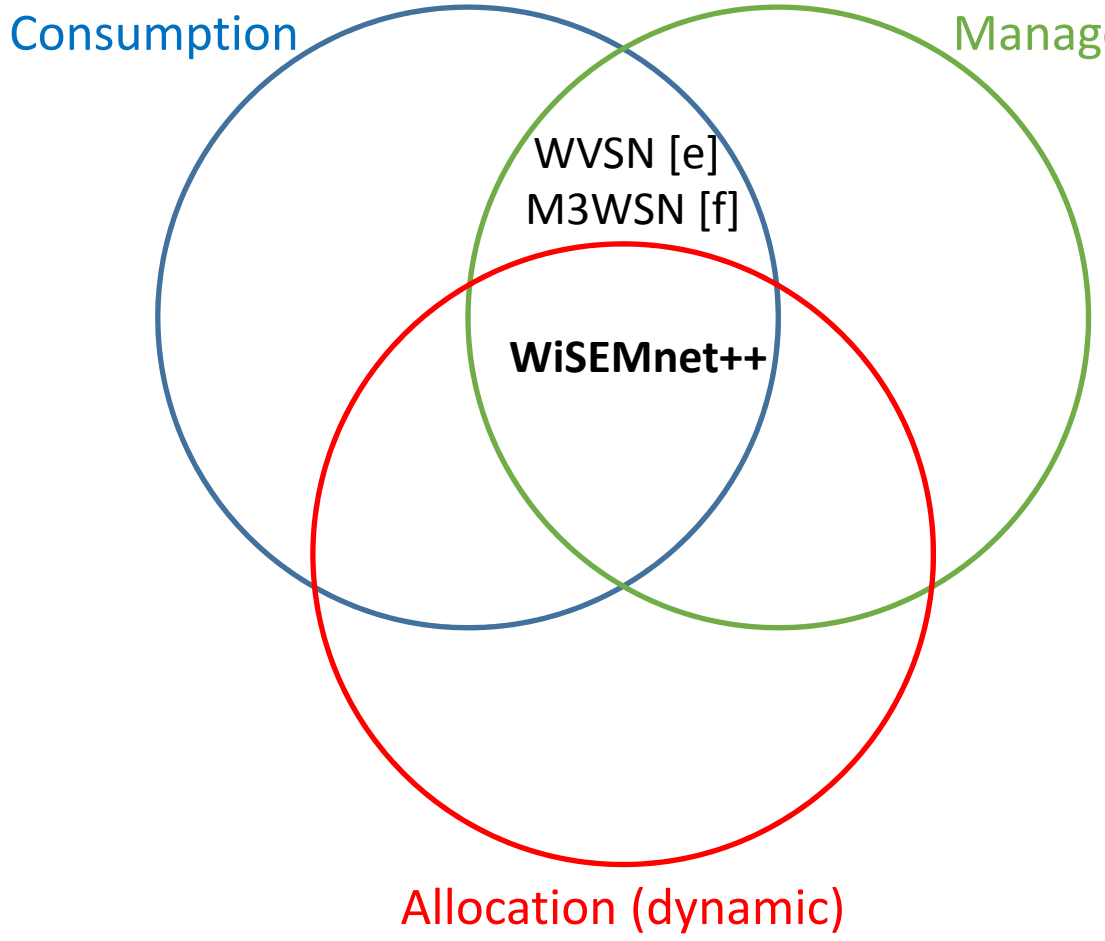
SENSING


Synthetic objects
Images
CamSim [d]
WVSN [e]
M3WSN [f]
WiSEMnet++
OVVT [a]
SLNCR [b]
VSNSim [c]
Virtual Video
Real Video

RESOURCES



No modeling

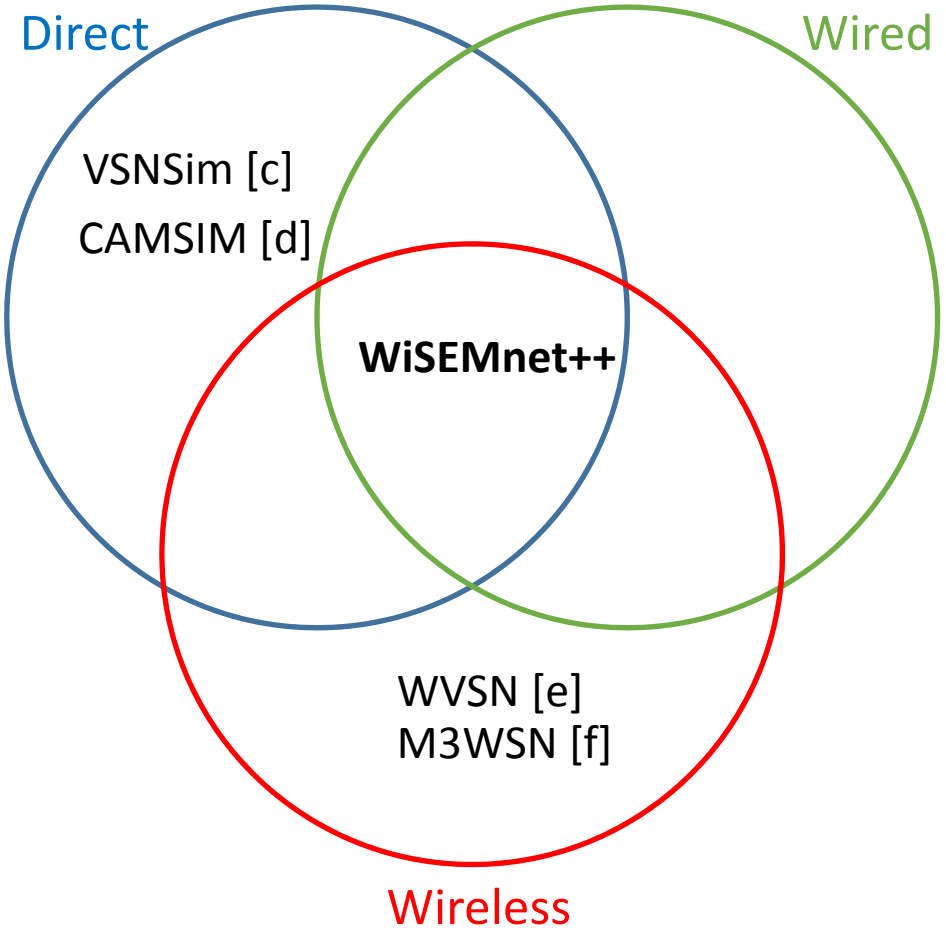
SLNCR [b]

OVVT [a]

VSNSim [c]

CamSim [d]

COMMUNICATION

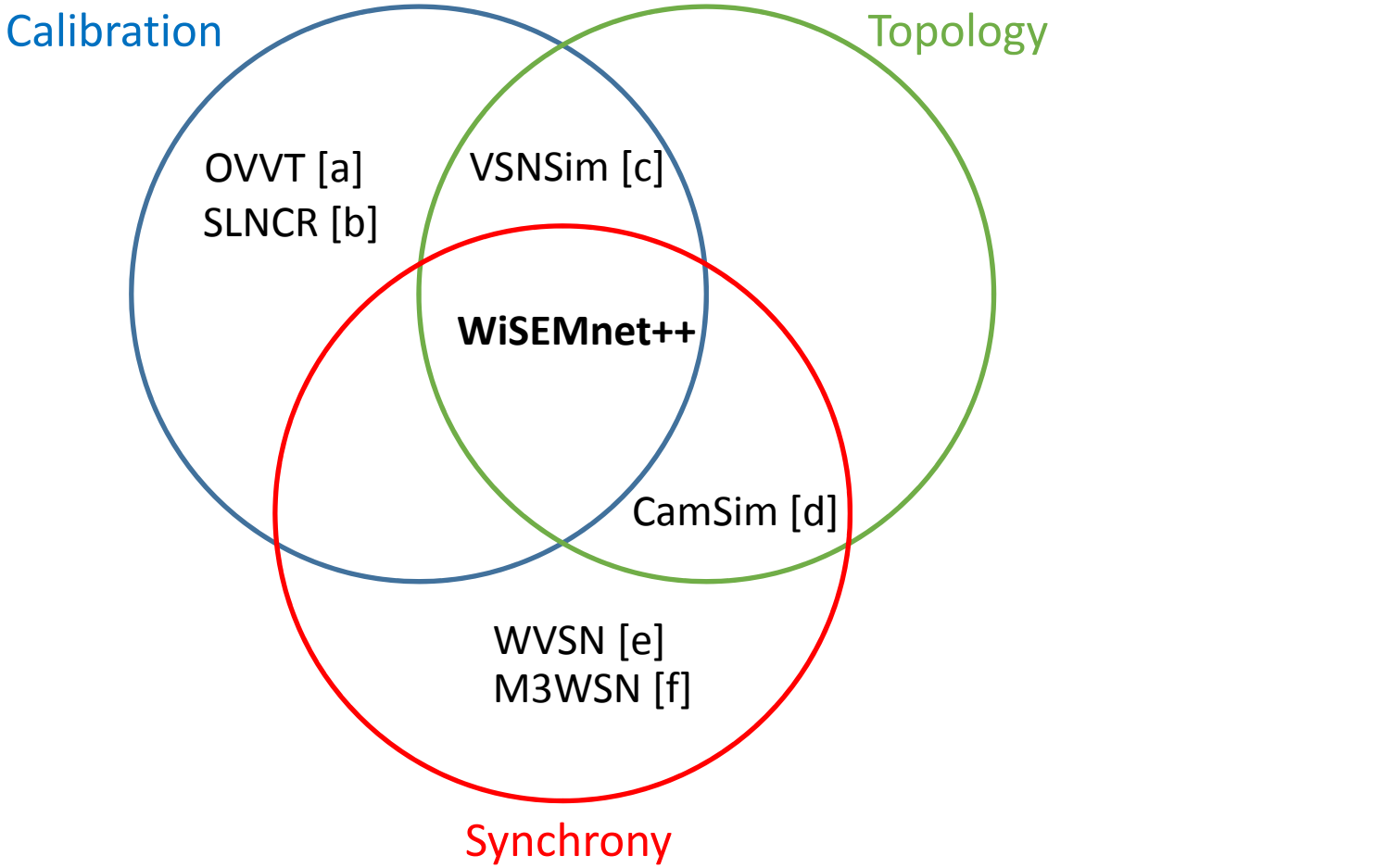


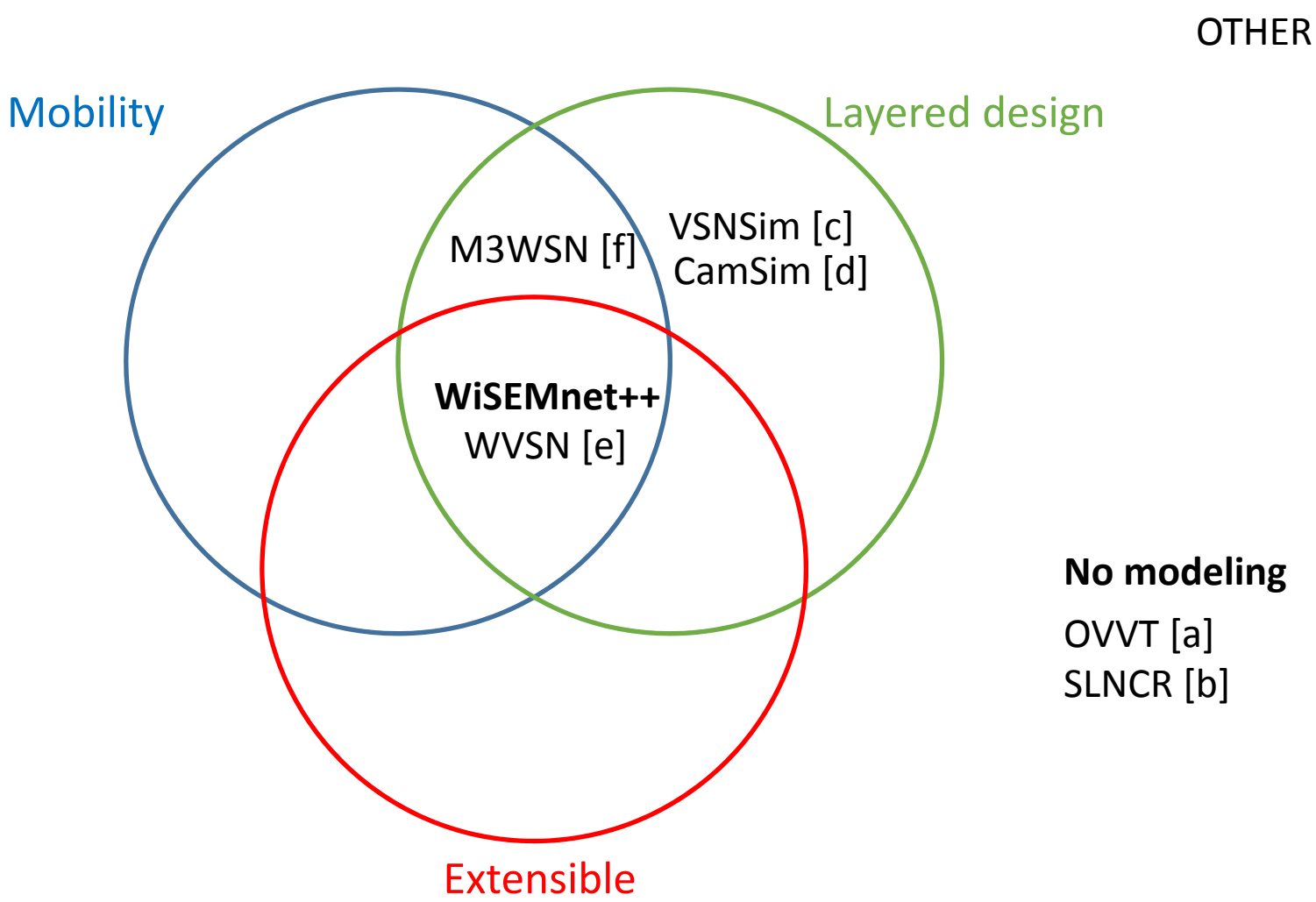
No modeling

SLNCR [b]

OVVT [a]

COORDINATION




OTHER
Mobility
Layered design
M3WSN [f]
VSNSim [c]
CamSim [d]
WiSEMnet++
WVSN [e]
Extensible
No modeling
OVVT [a]
SLNCR [b]

References

- [a] G. Taylor et al., “OVVT: Using Virtual Worlds to Design and Evaluate Surveillance Systems”, IEEE Conf. on Computer Vision and Pattern Recognition, pp. 1-8, Jun. 2007. Available: http://development.objectvideo.com/
- [b] W. Starzyk and F. Qureshi, “Software Laboratory for Camera Networks Research”, IEEE Journal on Emerging and Selected Topics in Circuits and Systems, vol. 3, no. 2, pp. 284-293, Feb. 2013. Available: https://github.com/vclab/virtual-vision-simulator
- [c] M. Gruber et al., “Demo: The extended vsnsim for hybrid camera systems”, in Int. Conf. on Distributed Smart Cameras, pp. 203-204, Sept. 2015
- [d] L. Esterle et al., “CamSim: A Distributed Smart Camera Network Simulator”, in IEEE Int. Conf. on Self-Adaptive and Self-Organizing Systems Workshops, pp. 19-20, Sept. 2013. Available: https://github.com/EPiCS/CamSim
- [e] C. Pham and A. Makhoul, “Performance study of multiple cover-set strategies for mission-critical video surveillance”, IEEE Int. Conf. on Wireless and Mobile Computing, Networking and Comms., pp. 208-216, Oct. 2010. Available: http://cpham.perso.univ-pau.fr/WSN-MODEL/wvsn.html
- [f] D. Rosario et al., “An OMNeT ++ Framework to Evaluate Video Transmission in Mobile Wireless Multimedia Sensor Networks”, ICST Conf. on Simulation Tools and Techniques, pp. 277-284, Mar. 2013. Available: http://home.inf.unibe.ch/zhao/M3WSN/