There have been efforts to improve boundary-layer observation capabilities by creating observation networks that consist of several profiling nodes. These profiling nodes include platforms such as instrumented towers, lidars, wind profilers, atmospheric emitted radiance interferometers (AERIs) and micro-pulse differential absorption lidars (MPD) in order to observe thermodynamic and kinematic profiles from the surface to mid-atmosphere. By clustering these instruments at profiling nodes, the different observations can be used synergistically to create more valuable data products than those from individual instruments alone. This seminar will present how these data products can be created and possible directions for future development.