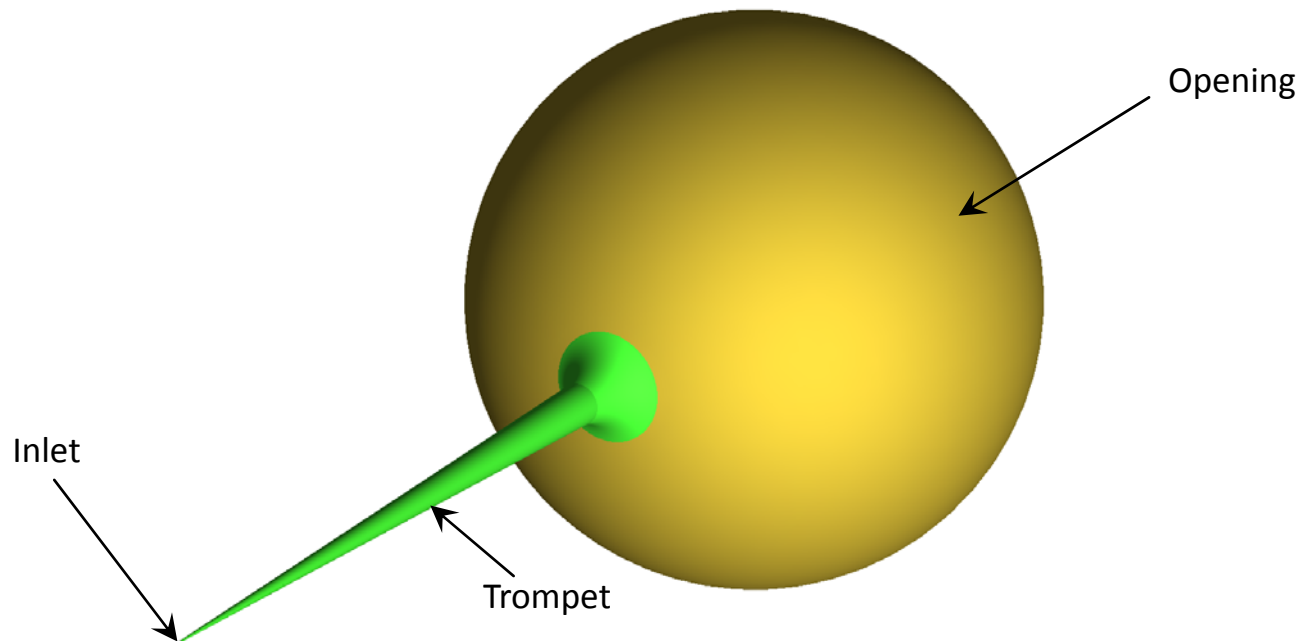
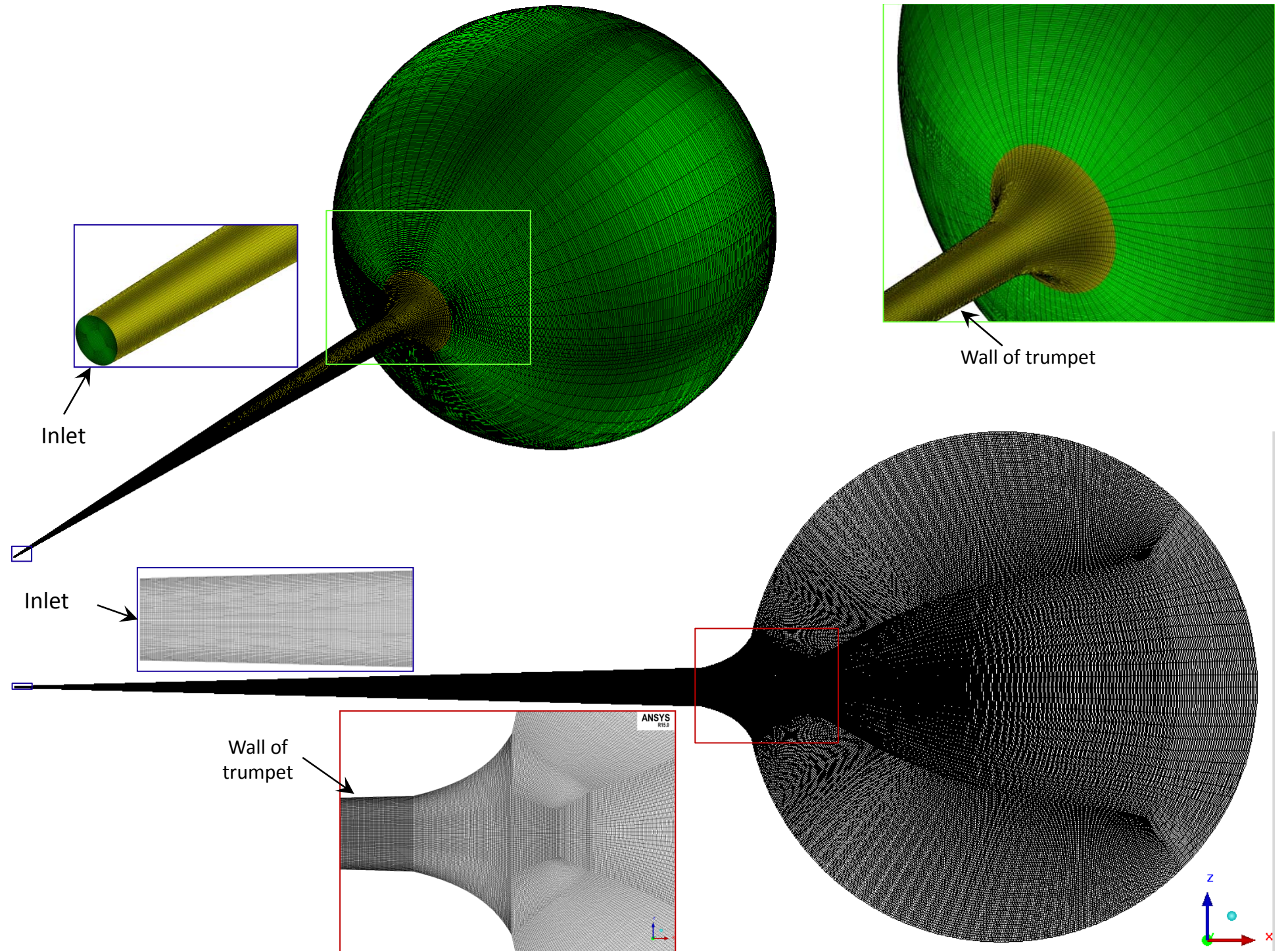


Direct Numerical Simulation of Trumpet

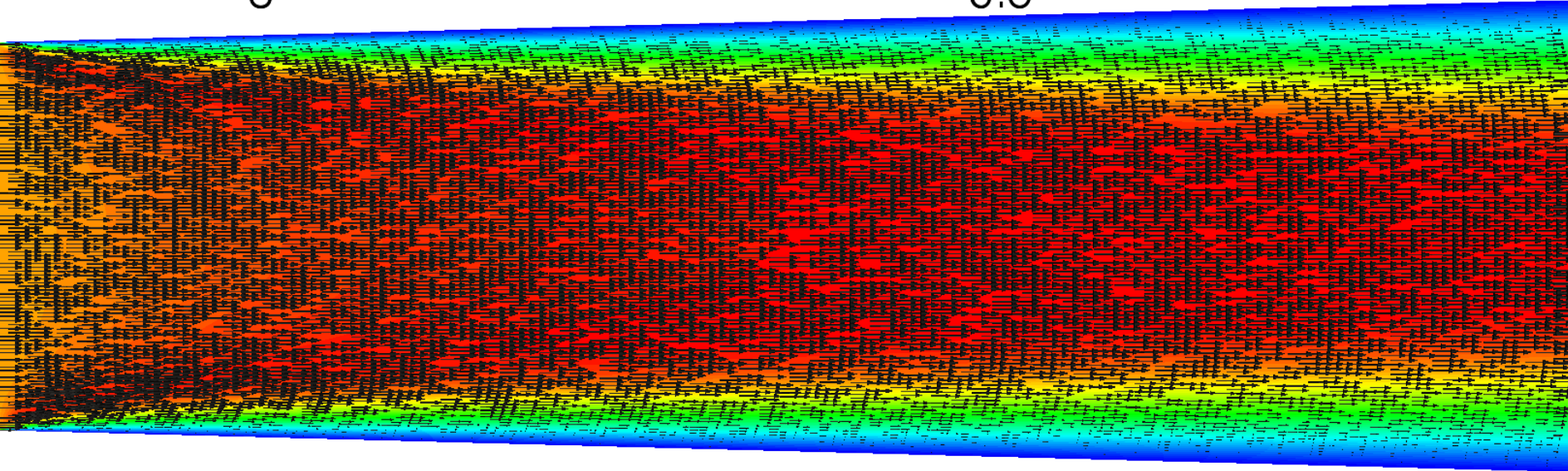
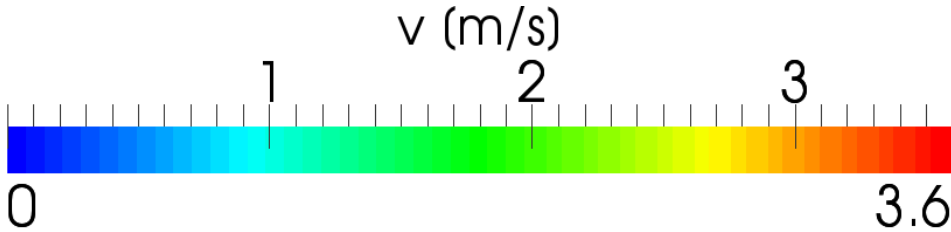
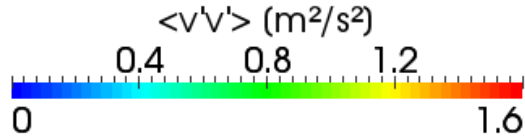
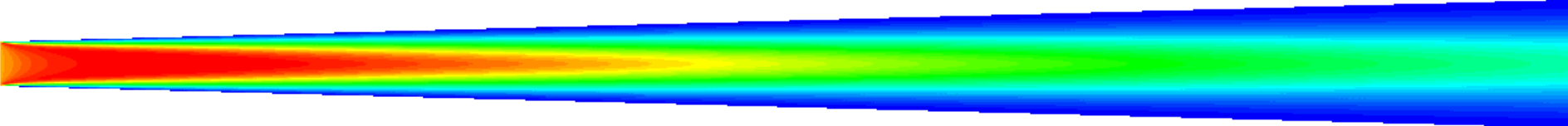
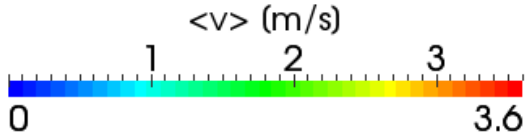
Numerical setups

- Compressible DNS mit OpenFOAM-v2.3
- Realistic geometry of trumpet
- Hexahedral grid with 44 million elements
- Parallel computation with 4000 processors on ForHLR I cluster at SCC, KIT





Streamwise velocity



Sound pressure

