

Outline

- I. From the first conventional radars to multi-parameter coherent techniques
 - Doppler Radar
 - Multi-parameter techniques
 - Polarization processing
- II. Doppler-polarimetric radar signal processing
- III. Applications for dangerous meteorological phenomena detection
 - Turbulence
 - Hail
 - Icing
 - Volcano Ash
- IV. Conclusions

