

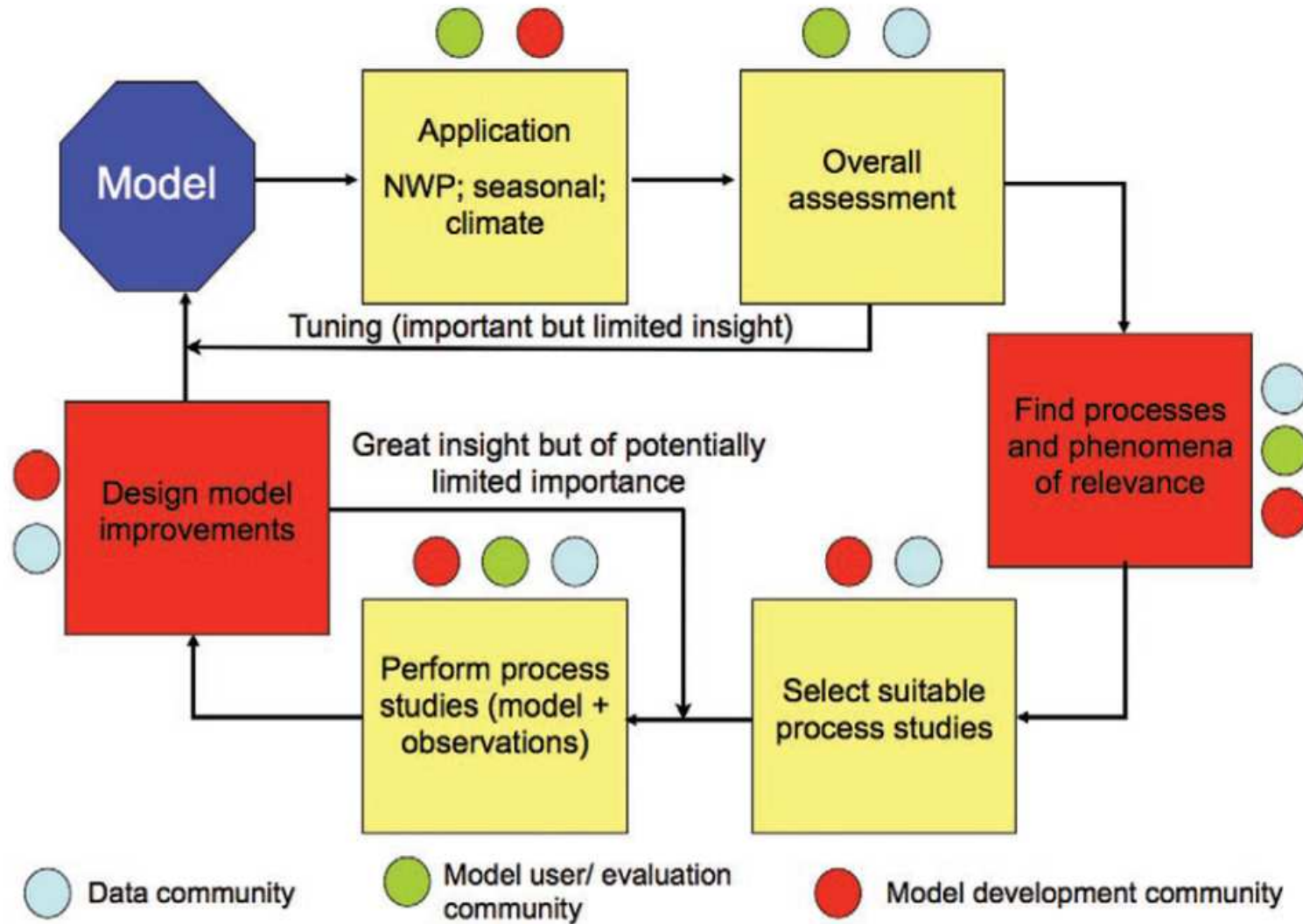
# COSMO User Seminar 2013

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## COSMO Modeling System (NWP, ART, CLM)

- Nonhydrostatic, fully compressible dynamical core
- Runge-Kutta time stepping; higher order numerics
- Horizontal explicit, vertical implicit; splitting scheme
- **NWP**: Convection-permitting numerical weather prediction
- **ART**: Aerosols (dust, pollen, volcanic ash) and reactive trace gases
- **CLM**: Regional, high resolution climate simulation
- COSMO Modeling System is freely available to universities.
- Strong involvement of universities in R&D activities.



C. Jacob (2010) Accelerating progress in ... model development

# Thank you for attending!

Thanks a lot to all organizers  
of the  
COSMO User Seminar 2013!