

# Main HIRLAM strategic objectives

- Integrated high-res (~1-2.5km) probabilistic forecast system
- Optimize use/impact of existing obs., introduce new high-res obs, in combination with flow-dependent DA
- Enhance model surface description and surface analysis (greater use of sat surface data and more advanced DA)
- Prepare/test DA/EPS setup for use in nowcasting range
- Assess/address systematic model forecast errors
- Develop more sophisticated, consistent treatment of microphysics/ clouds/radiation/aerosol interaction
- Prepare model for use at higher vertical and horizontal operational resolution (~90L, 0.5-1.3km).
- Explore/prepare for use of model at hectometric resolutions
- Extend range of techniques/obs for validation/routine verification
- Contribute to enhancing model efficiency, flexibility and scalability
- Explore potential of coupling with ocean surface (later: ocean model)
- **LAST BUT NOT LEAST:** Actions towards a more efficient phasing process and common repository