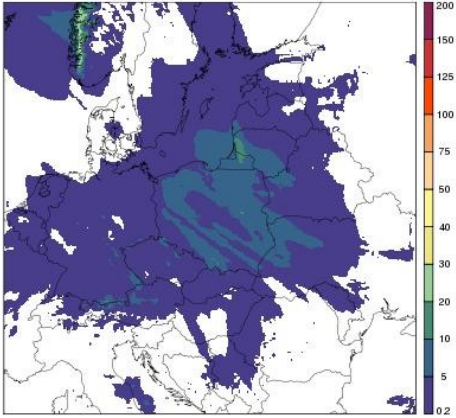
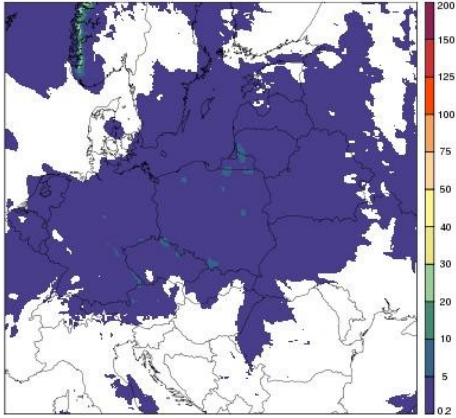
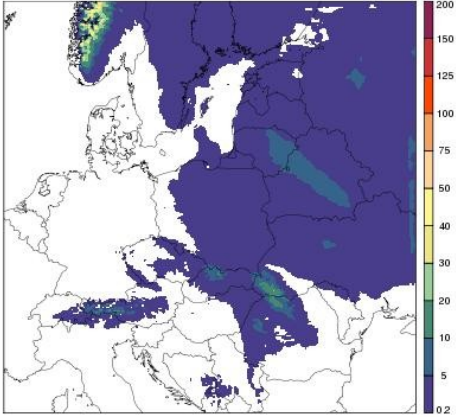
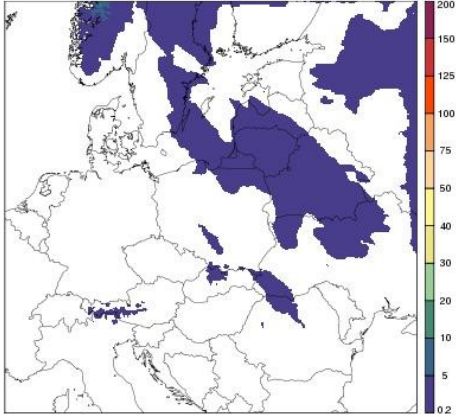
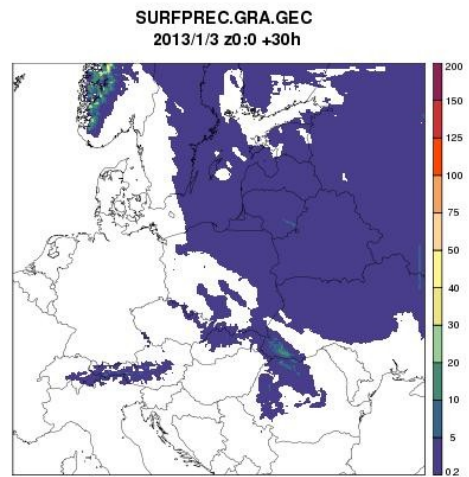
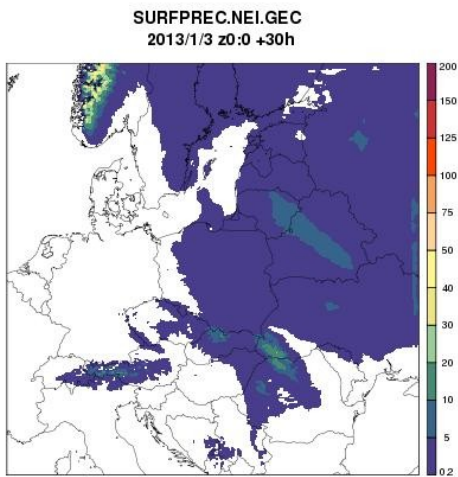


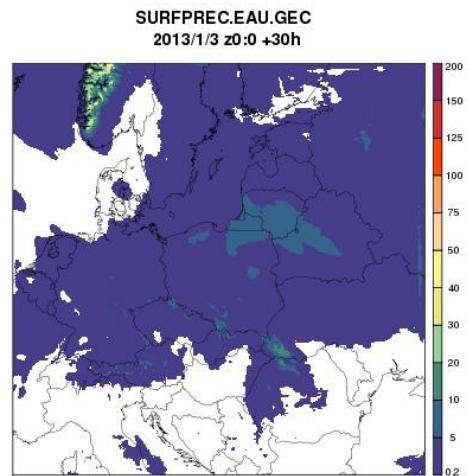
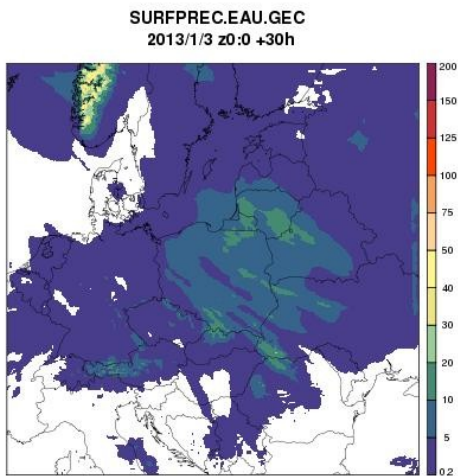
Bogdan Bochenek  
stay report  
Ljubljana 17.07.2017 – 11.08.2017  
Implementation and validation of prognostic graupel computation into ALADIN code cy43t2  
**Appendix 2 – test cases**

	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p style="text-align: center;">SURFPREC.EAU.GEC 2013/1/3 z0:0 +30h</p> 	<p style="text-align: center;">SURFPREC.EAU.GEC 2013/1/3 z0:0 +30h</p> 
Snow vs Snow	<p style="text-align: center;">SURFPREC.NEI.GEC 2013/1/3 z0:0 +30h</p> 	<p style="text-align: center;">SURFPREC.NEI.CON 2013/1/3 z0:0 +30h</p> 

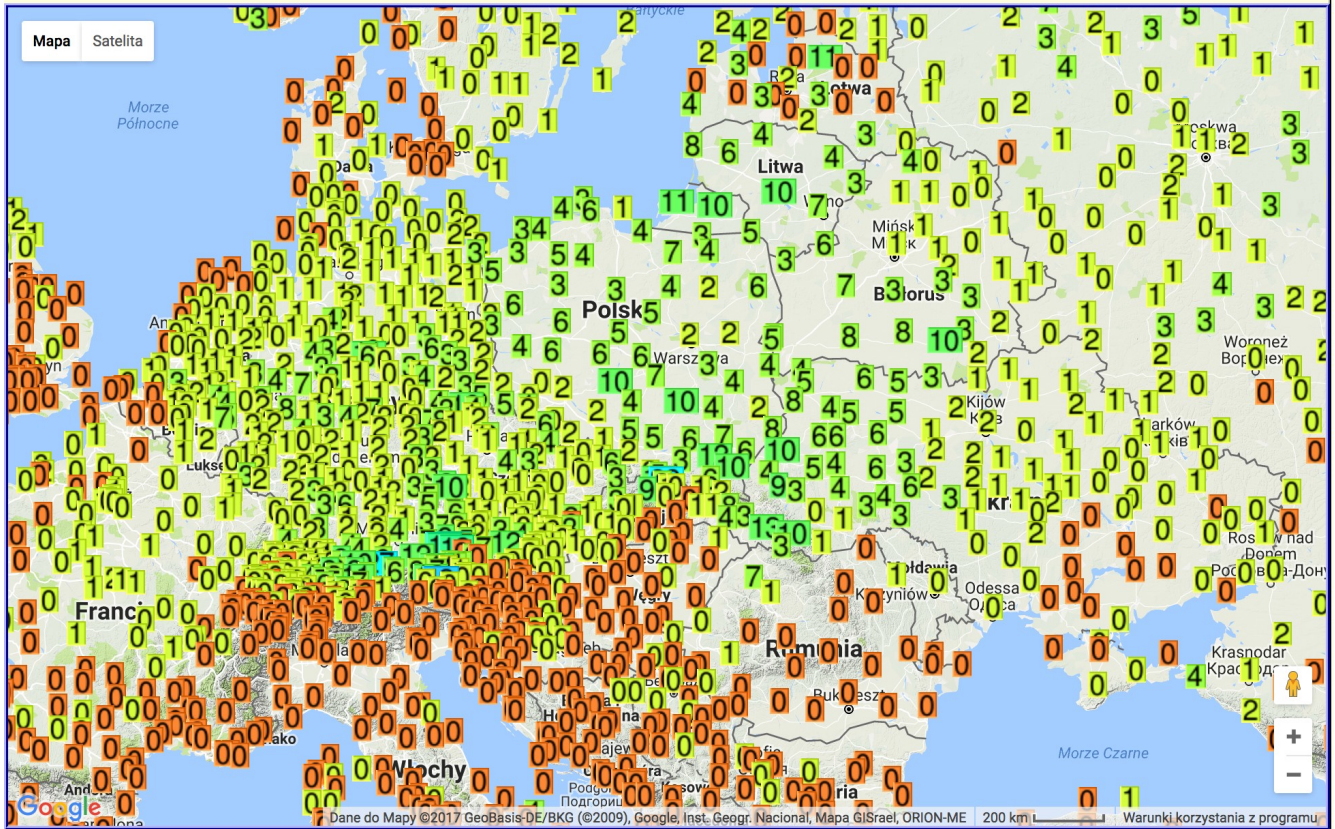
Snow  
vs  
Graupel

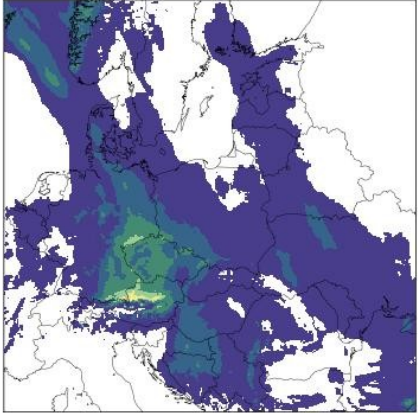
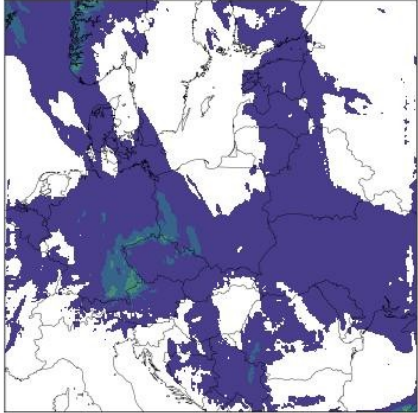
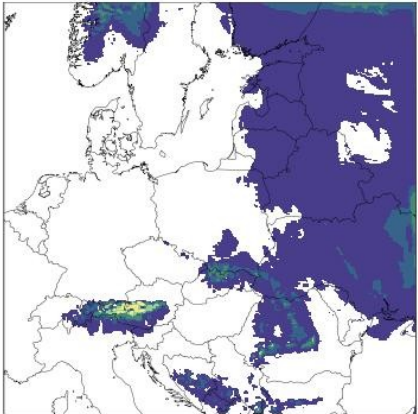



Total vs  
Total

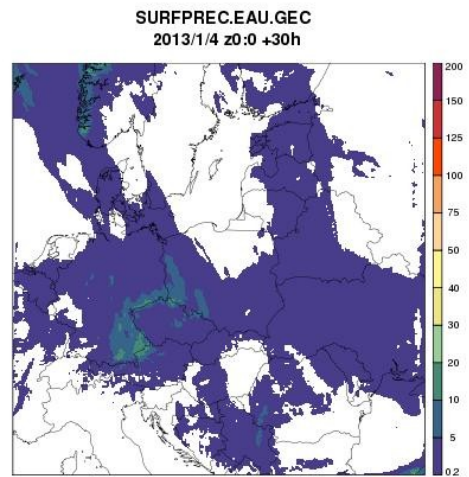
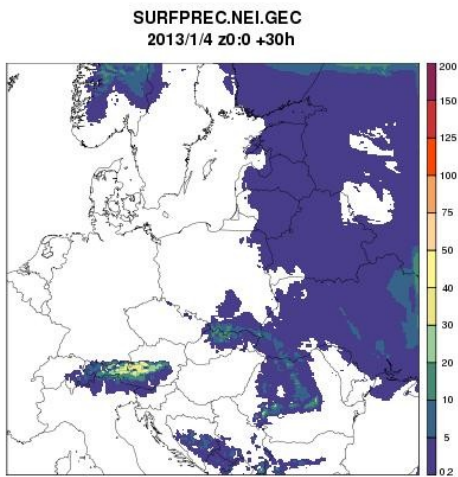


01/04/2013 06:00 UTC

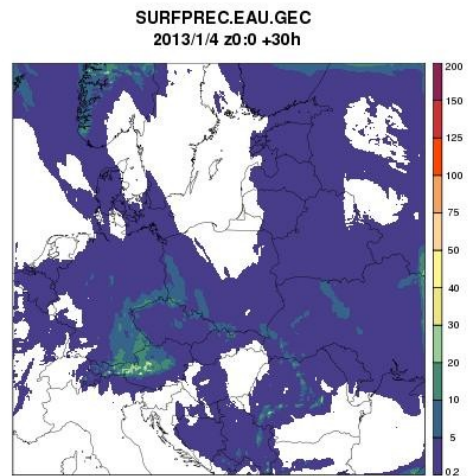
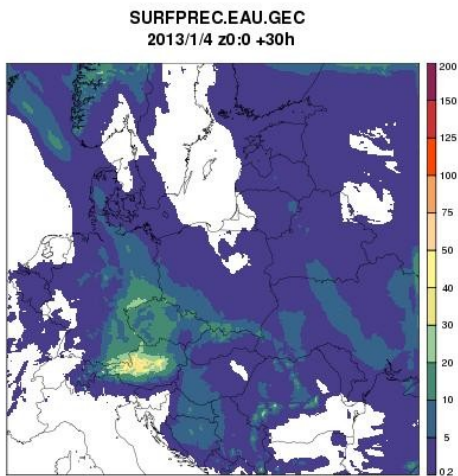


	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p data-bbox="472 222 651 264">SURFPREC.EAU.GEC 2013/1/4 z0:0 +30h</p> 	<p data-bbox="1073 222 1252 264">SURFPREC.EAU.GEC 2013/1/4 z0:0 +30h</p> 
Snow vs Snow	<p data-bbox="472 835 651 877">SURFPREC.NEI.GEC 2013/1/4 z0:0 +30h</p> 	<p data-bbox="1073 835 1252 877">SURFPREC.NEI.CON 2013/1/4 z0:0 +30h</p> 

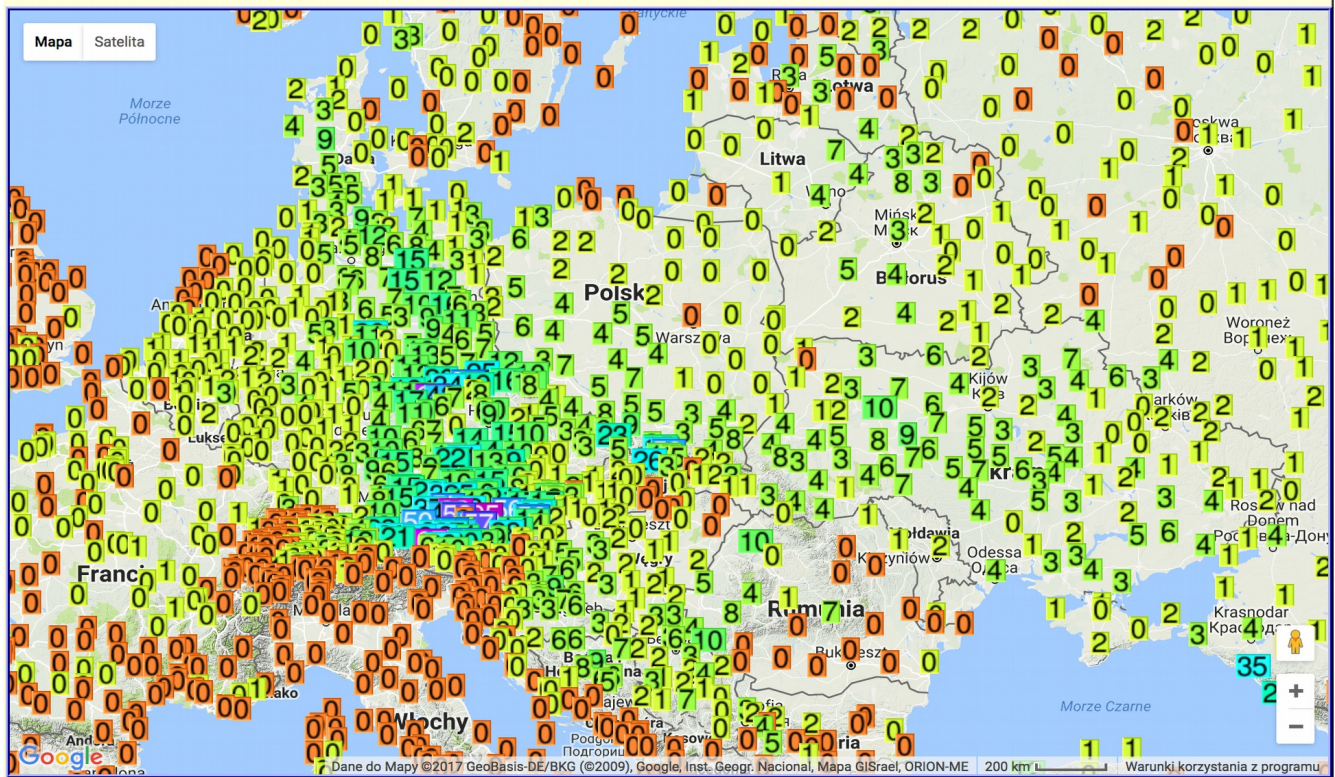
Snow  
vs  
Graupel



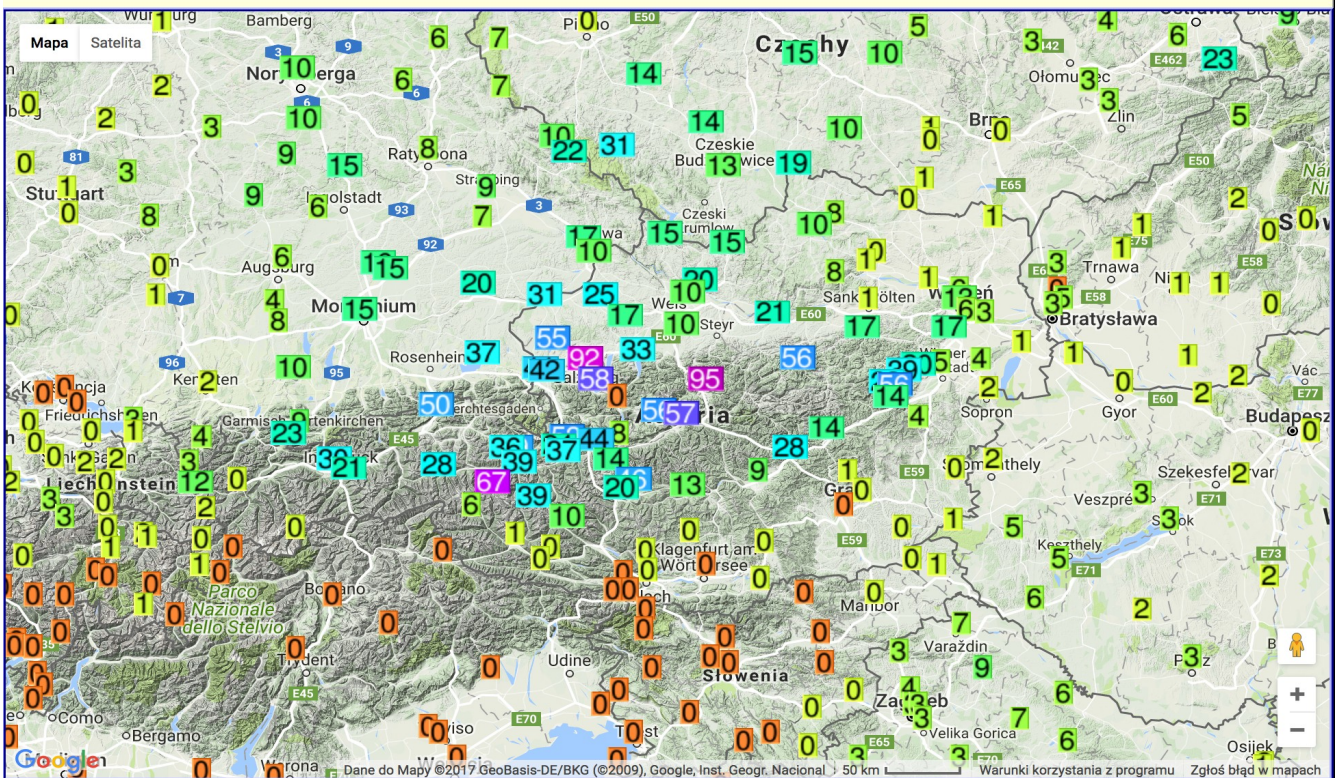
Total vs  
Total

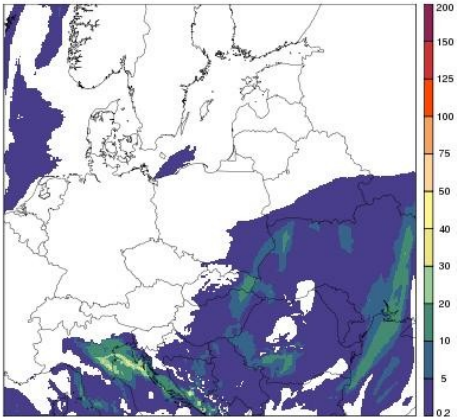
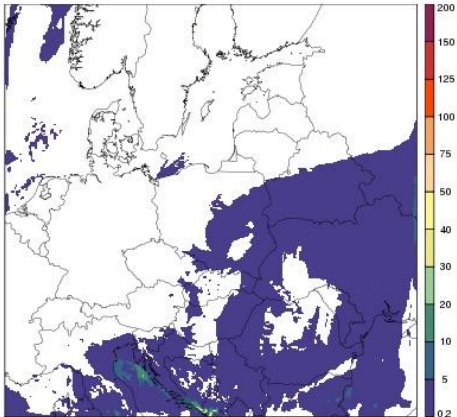
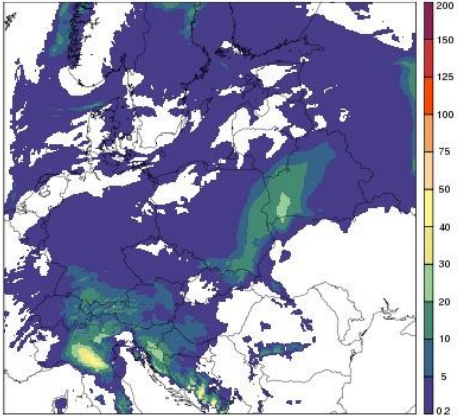
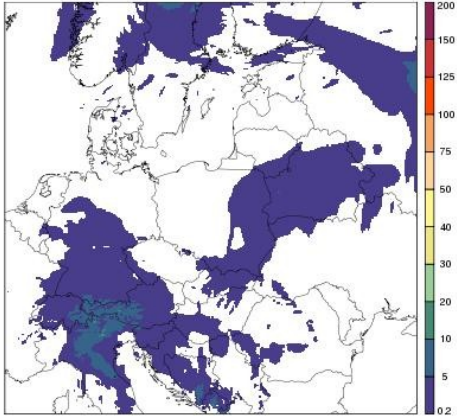


01/05/2013 06:00 UTC



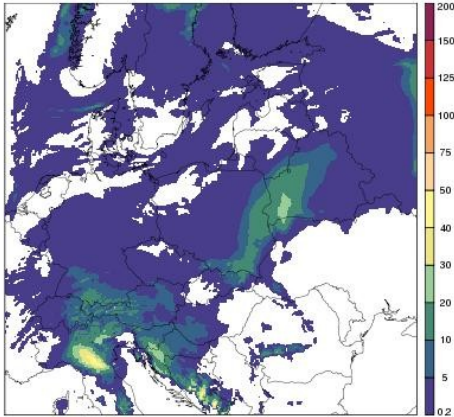
01/05/2013 06:00 UTC



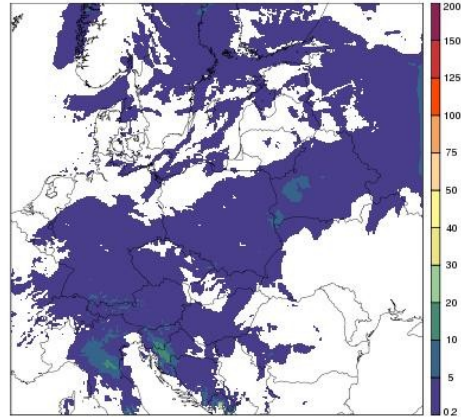
	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p>SURFPREC.EAU.GEC 2013/1/16 z0:0 +30h</p> 	<p>SURFPREC.EAU.GEC 2013/1/16 z0:0 +30h</p> 
Snow vs Snow	<p>SURFPREC.NEI.GEC 2013/1/16 z0:0 +30h</p> 	<p>SURFPREC.NEI.CON 2013/1/16 z0:0 +30h</p> 

Snow  
vs  
Graupel

SURFPREC.NEI.GEC  
2013/1/16 z0:0 +30h

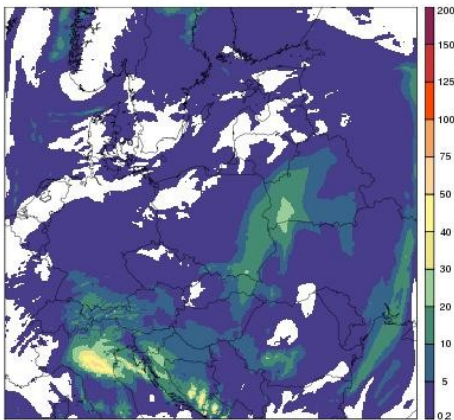


SURFPREC.GRA.GEC  
2013/1/16 z0:0 +30h

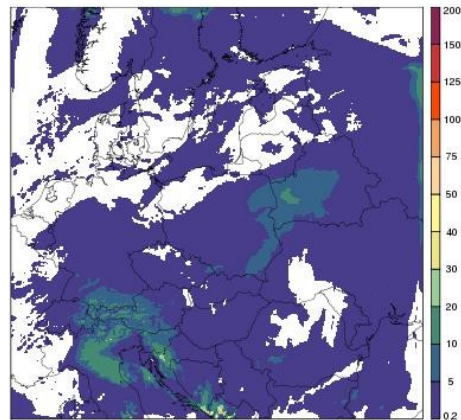


Total vs  
Total

SURFPREC.EAU.GEC  
2013/1/16 z0:0 +30h

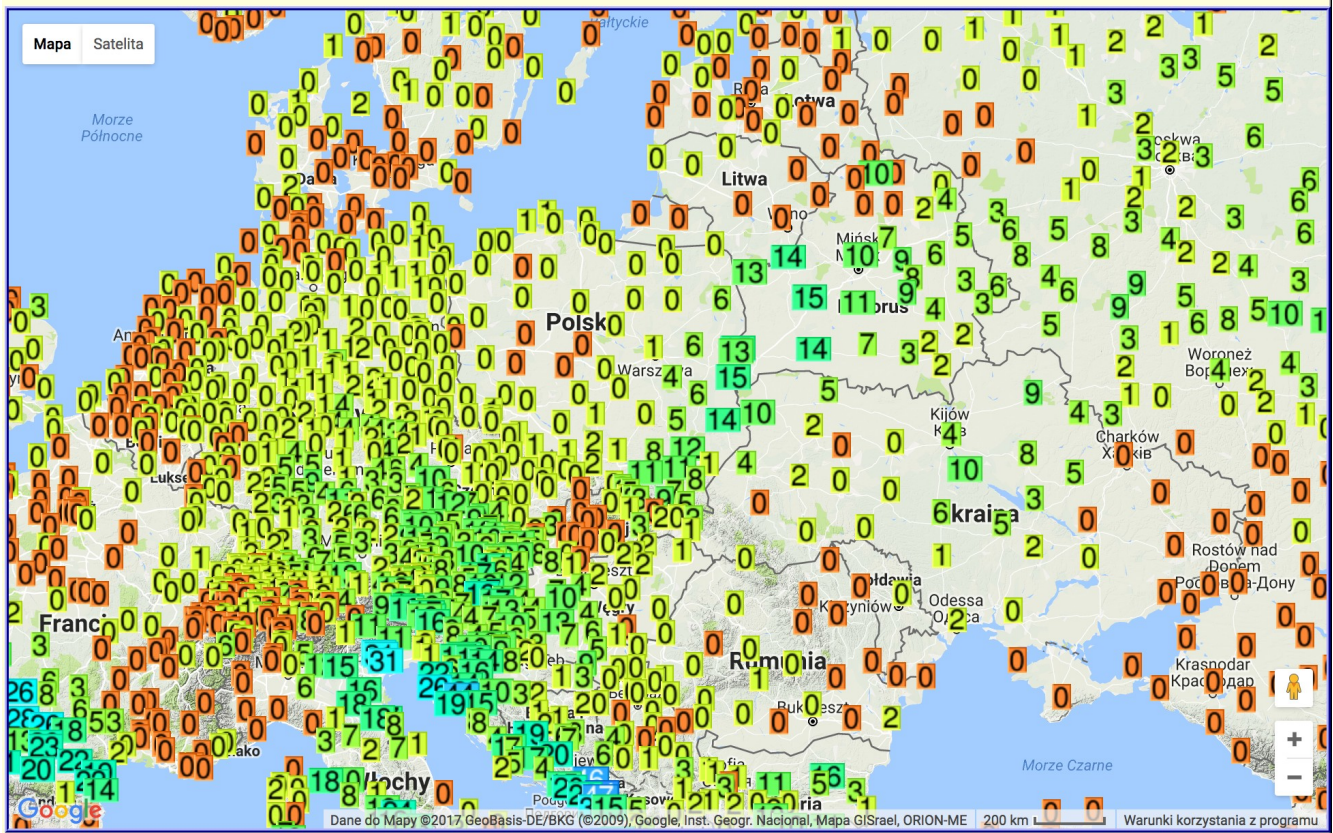


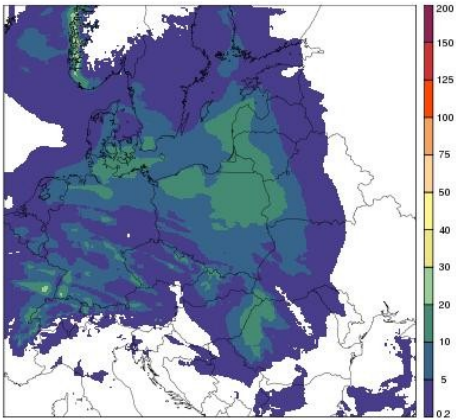
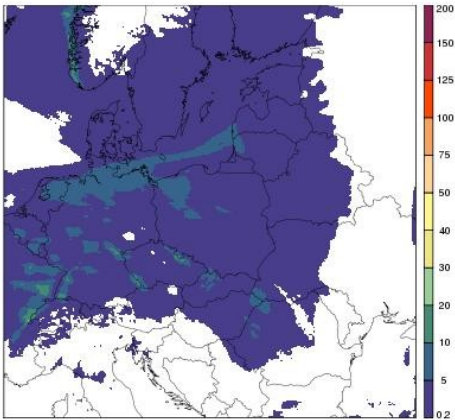
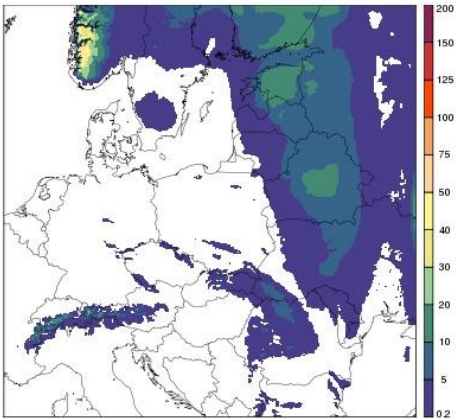
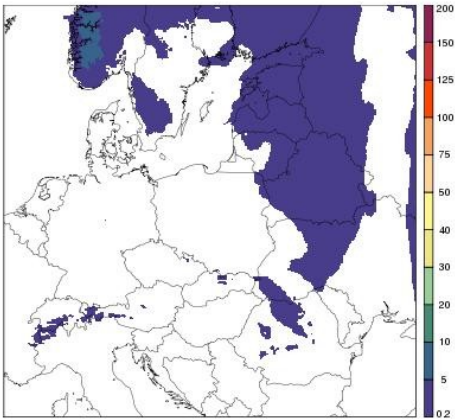
SURFPREC.EAU.GEC  
2013/1/16 z0:0 +30h





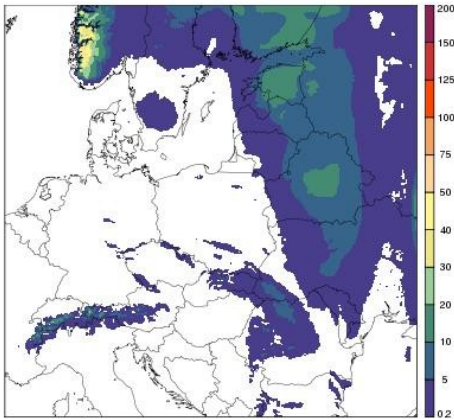
01/17/2013 06:00 UTC



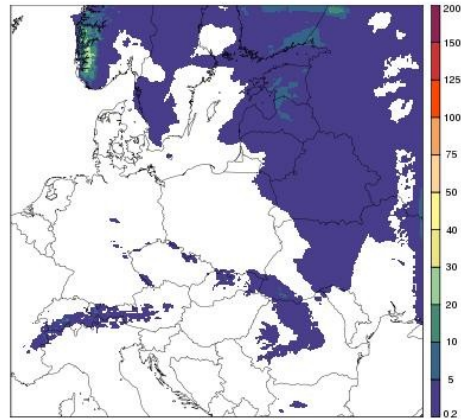
	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p data-bbox="472 258 651 300">SURFPREC.EAU.GEC 2013/1/30 z0:0 +30h</p> 	<p data-bbox="1073 258 1252 300">SURFPREC.EAU.GEC 2013/1/30 z0:0 +30h</p> 
Snow vs Snow	<p data-bbox="472 873 651 915">SURFPREC.NEI.GEC 2013/1/30 z0:0 +30h</p> 	<p data-bbox="1073 873 1252 915">SURFPREC.NEI.CON 2013/1/30 z0:0 +30h</p> 

Snow  
vs  
Graupel

SURFPREC.NEI.GEC  
2013/1/30 z0:0 +30h

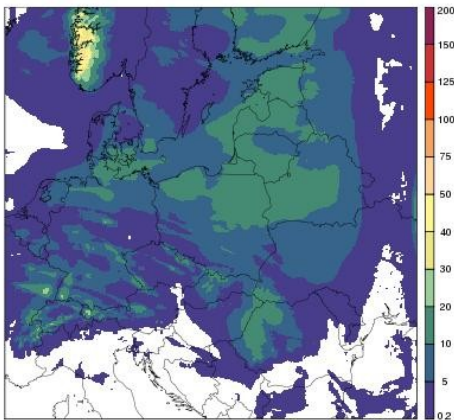


SURFPREC.GRA.GEC  
2013/1/30 z0:0 +30h

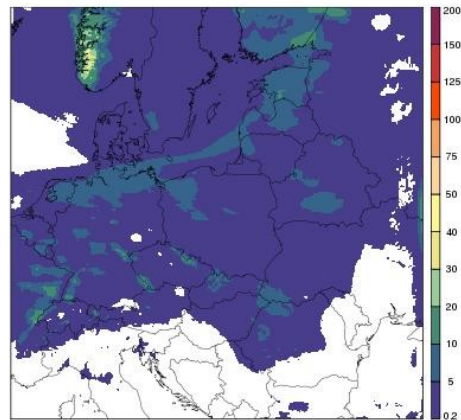


Total vs  
Total

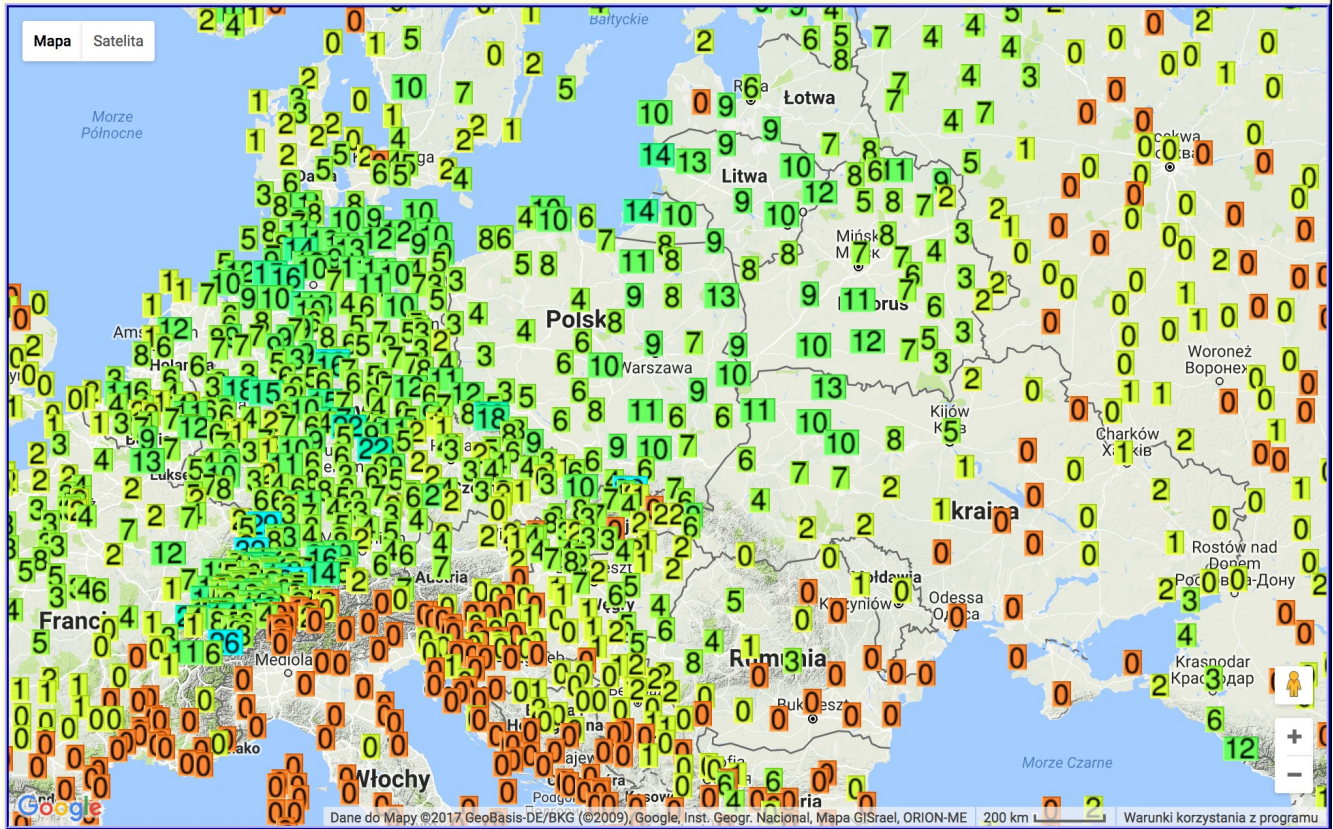
SURFPREC.EAU.GEC  
2013/1/30 z0:0 +30h

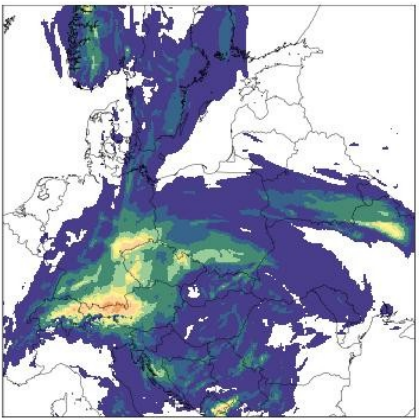
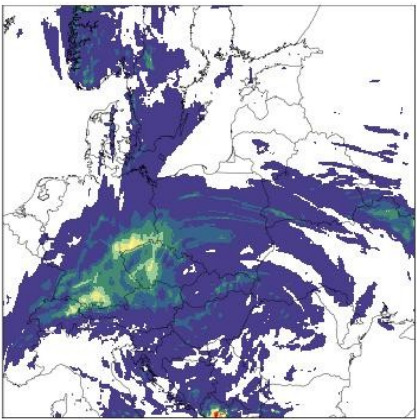




SURFPREC.EAU.GEC  
2013/1/30 z0:0 +30h



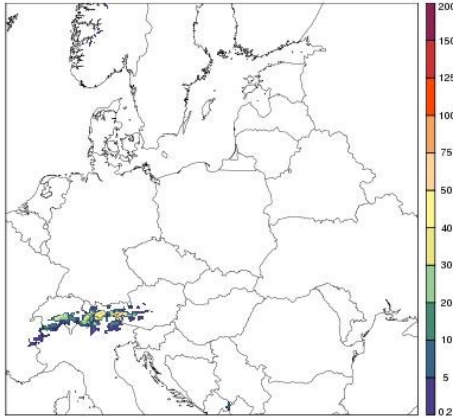
01/31/2013 06:00 UTC



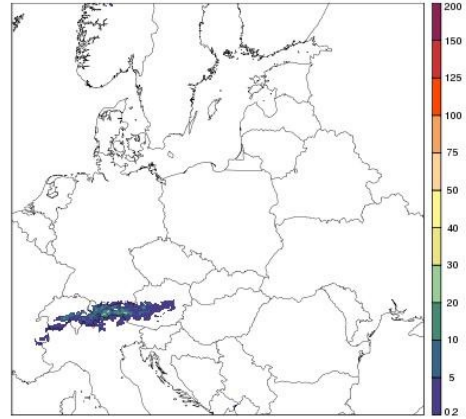
	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p data-bbox="480 258 659 300">SURFPREC.EAU.GEC 2013/6/1 z0:0 +30h</p> 	<p data-bbox="1081 258 1260 300">SURFPREC.EAU.GEC 2013/6/1 z0:0 +30h</p> 
Snow vs Snow	<p data-bbox="480 873 659 915">SURFPREC.NEI.GEC 2013/6/1 z0:0 +30h</p> 	<p data-bbox="1081 873 1260 915">SURFPREC.NEI.CON 2013/6/1 z0:0 +30h</p> 

Snow  
vs  
Graupel

SURFPREC.NEI.GEC  
2013/6/1 z0:0 +30h

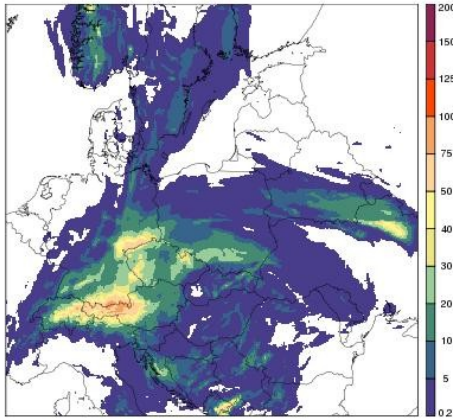


SURFPREC.GRA.GEC  
2013/6/1 z0:0 +30h

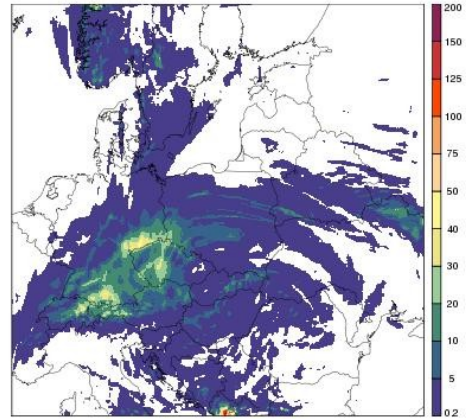


Total vs  
Total

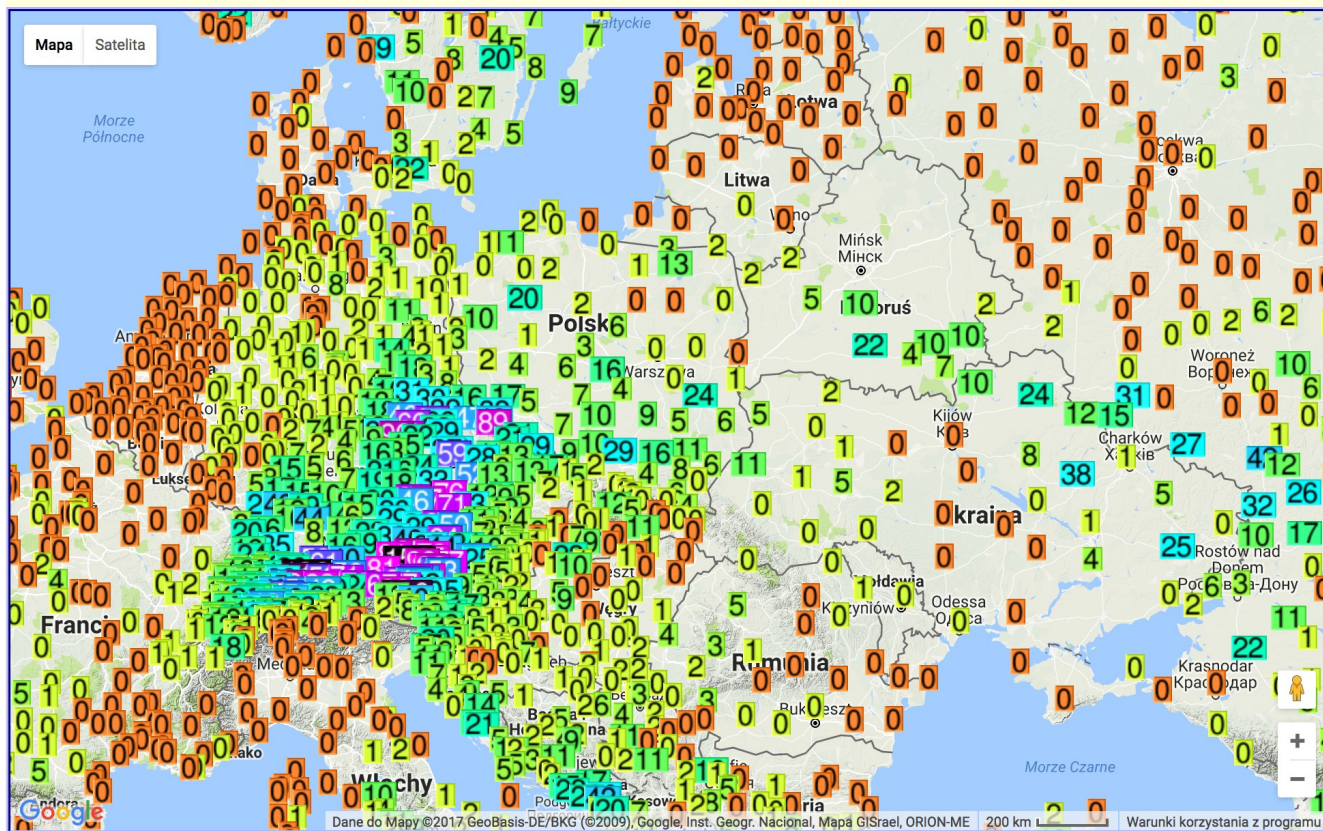
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2013/6/1 z0:0 +30h

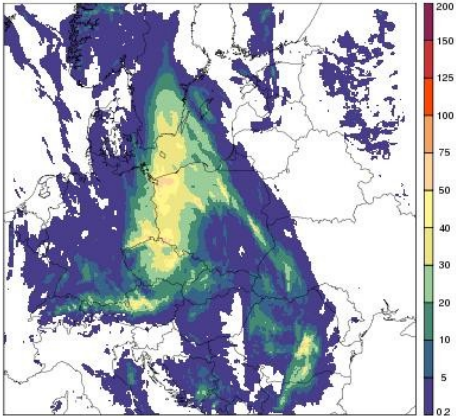
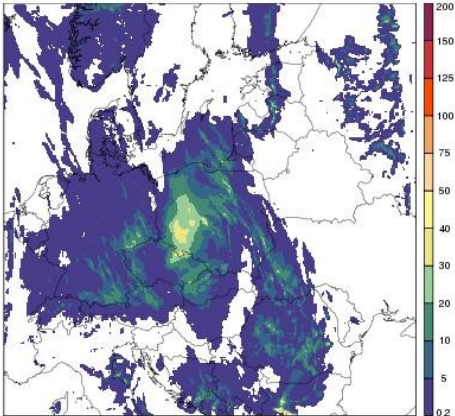
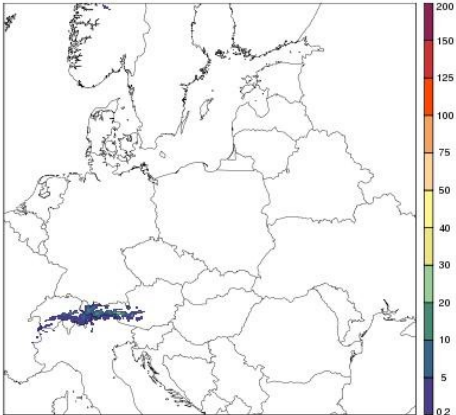
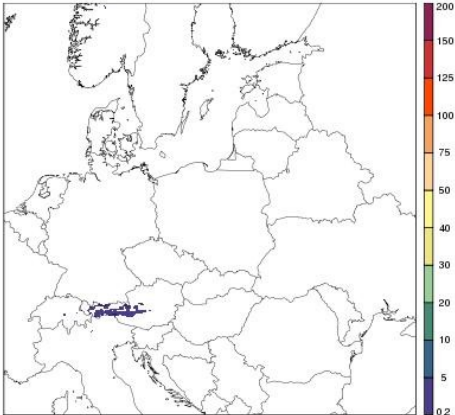


SURFPREC.EAU.GEC  
2013/6/1 z0:0 +30h



06/02/2013 06:00 UTC

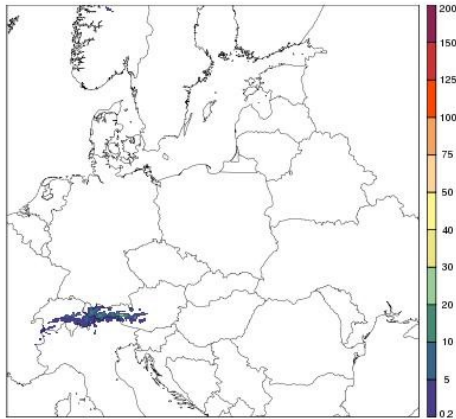


	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p data-bbox="472 258 651 302">SURFPREC.EAU.GEC 2013/6/25 z0:0 +30h</p> 	<p data-bbox="1073 258 1252 302">SURFPREC.EAU.GEC 2013/6/25 z0:0 +30h</p> 
Snow vs Snow	<p data-bbox="472 873 651 917">SURFPREC.NEI.GEC 2013/6/25 z0:0 +30h</p> 	<p data-bbox="1073 873 1252 917">SURFPREC.NEI.CON 2013/6/25 z0:0 +30h</p> 

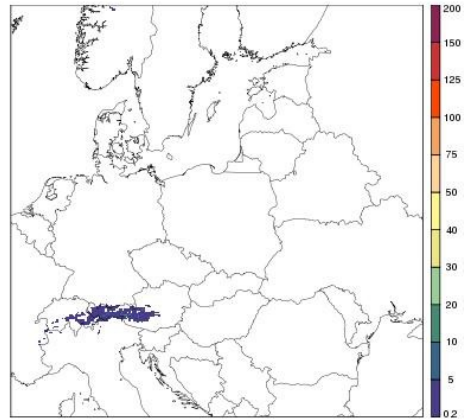


Snow  
vs  
Graupel

SURFPREC.NEI.GEC  
2013/6/25 z0:0 +30h

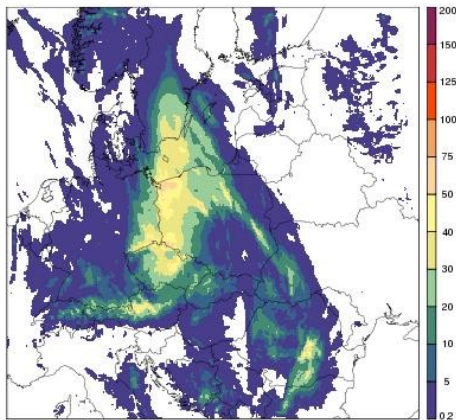


SURFPREC.GRA.GEC  
2013/6/25 z0:0 +30h

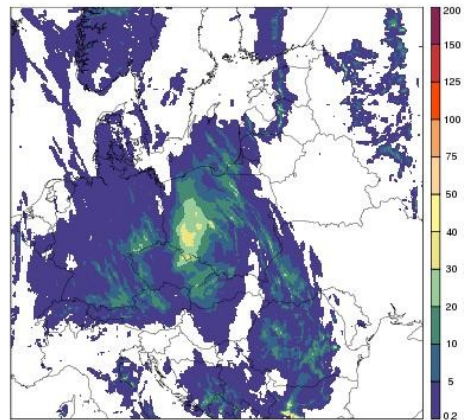


Total vs  
Total

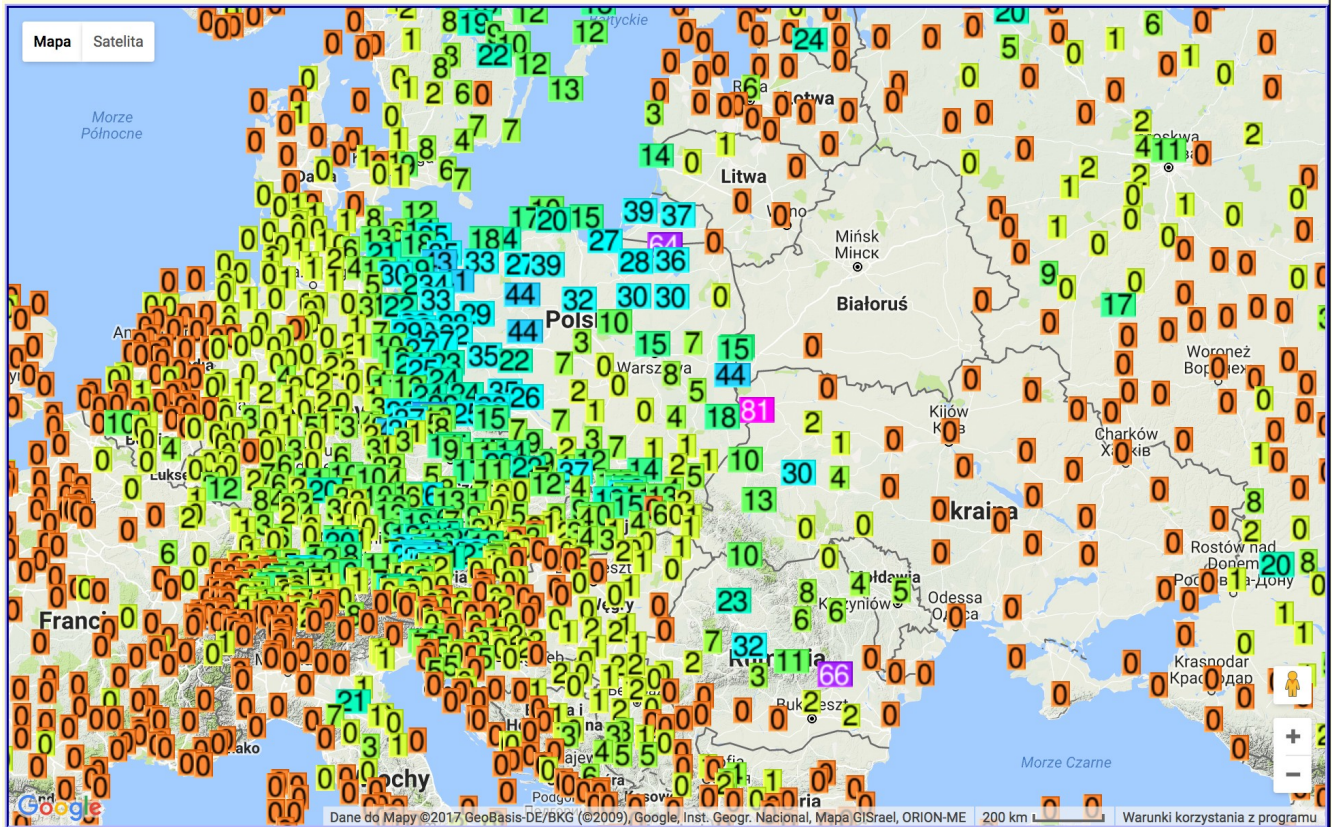
SURFPREC.EAU.GEC  
2013/6/25 z0:0 +30h

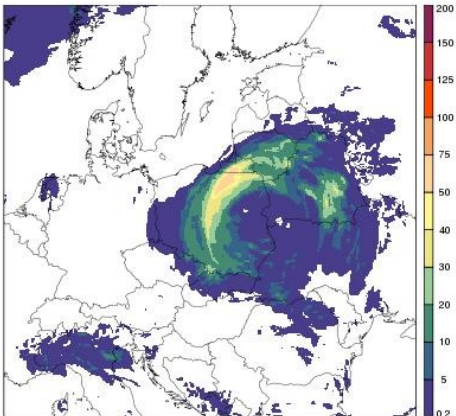
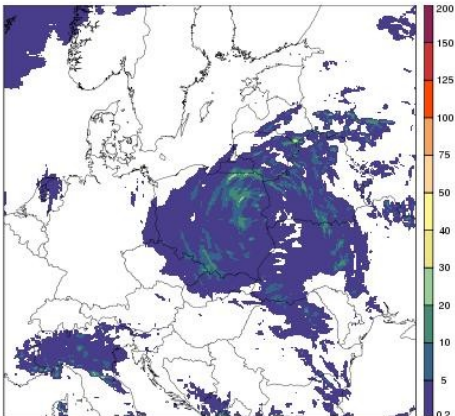
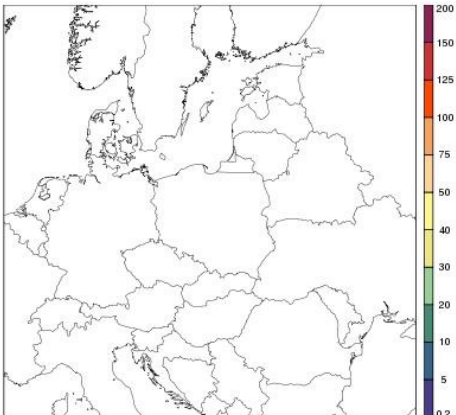
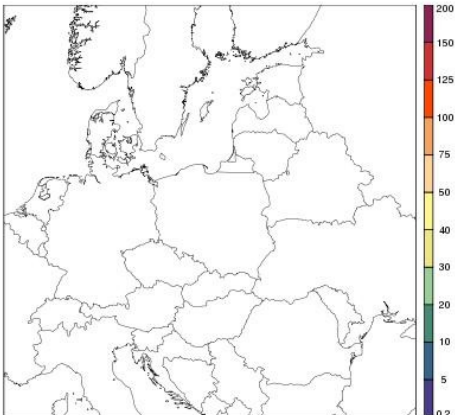


SURFPREC.EAU.GEC  
2013/6/25 z0:0 +30h



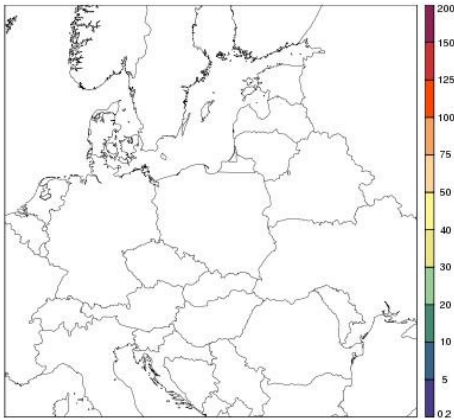
06/26/2013 06:00 UTC



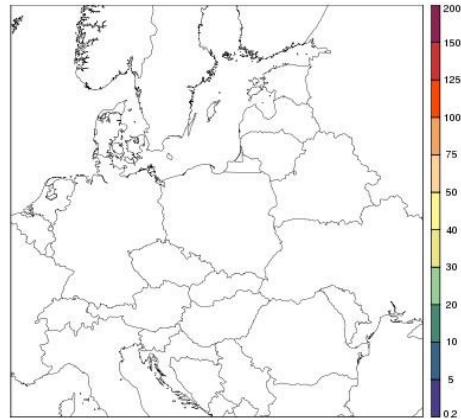
	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p data-bbox="472 258 651 300">SURFPREC.EAU.GEC 2013/7/12 z0:0 +30h</p> 	<p data-bbox="1073 258 1252 300">SURFPREC.EAU.GEC 2013/7/12 z0:0 +30h</p> 
Snow vs Snow	<p data-bbox="472 873 651 915">SURFPREC.NEI.GEC 2013/7/12 z0:0 +30h</p> 	<p data-bbox="1073 873 1252 915">SURFPREC.NEI.CON 2013/7/12 z0:0 +30h</p> 

Snow  
vs  
Graupel

SURFPREC.NEI.GEC  
2013/7/12 z0:0 +30h

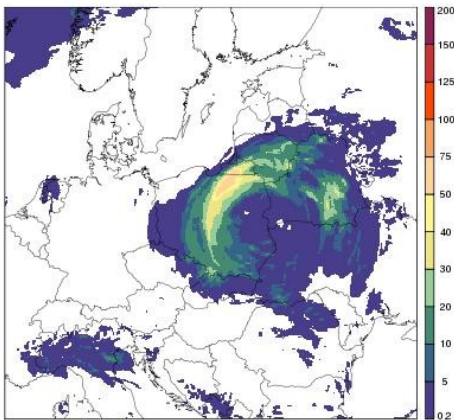


SURFPREC.GRA.GEC  
2013/7/12 z0:0 +30h

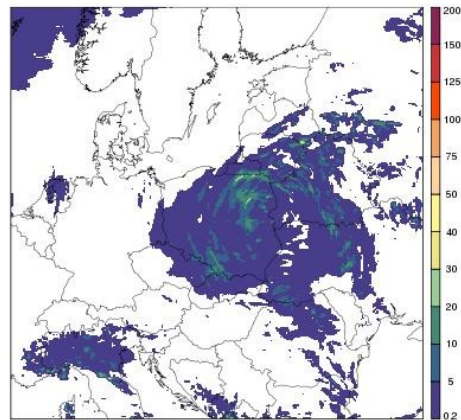


Total vs  
Total

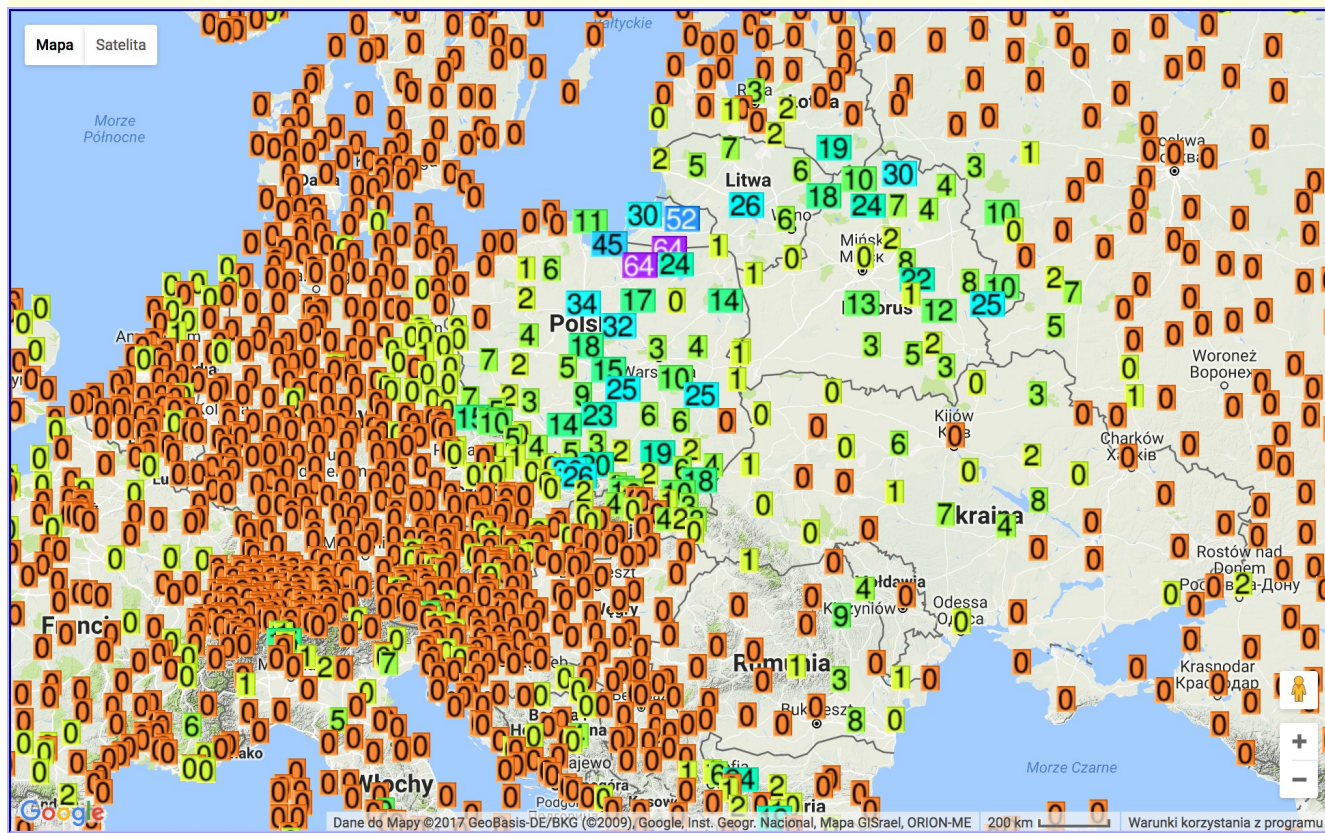
SURFPREC.EAU.GEC  
2013/7/12 z0:0 +30h

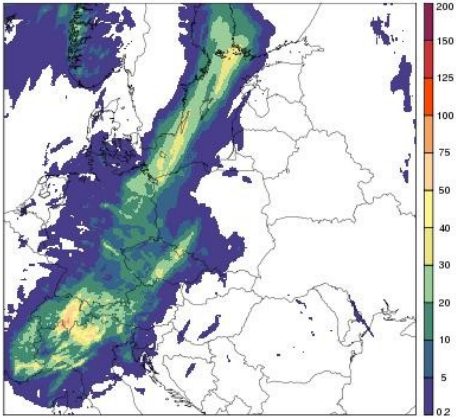
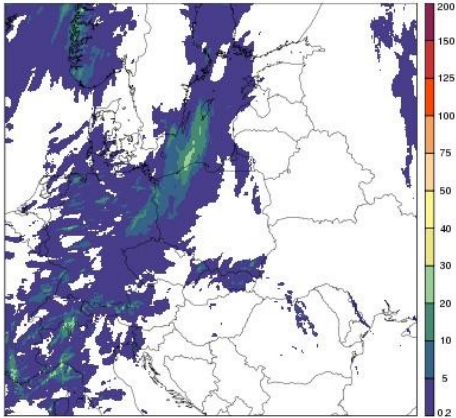
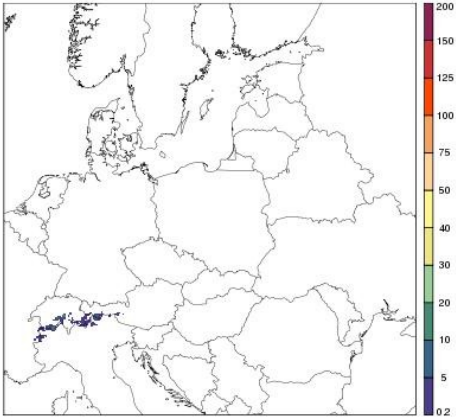
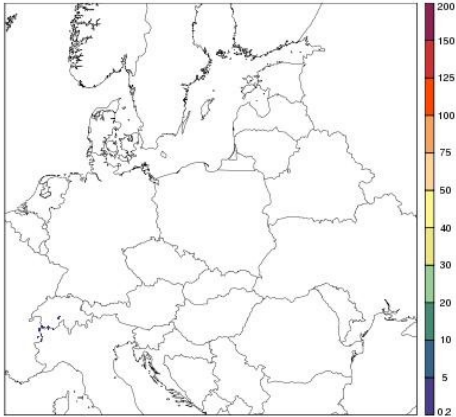


SURFPREC.EAU.GEC  
2013/7/12 z0:0 +30h



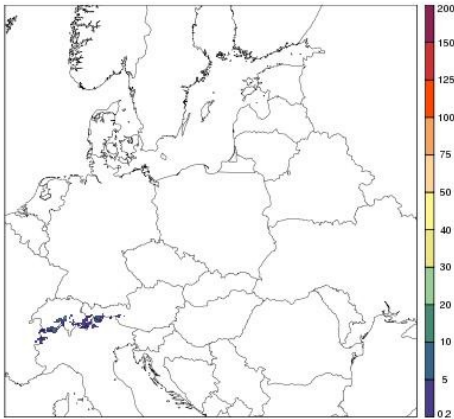
07/13/2013 06:00 UTC



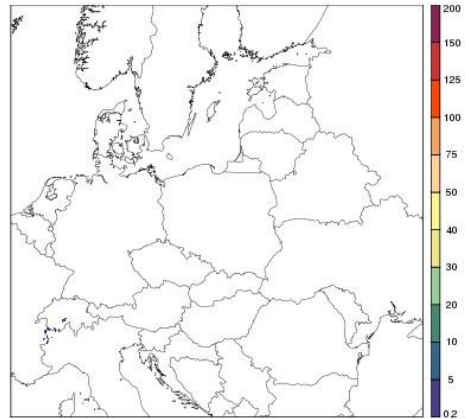
	cy43t2_main	cy43t2_main + prognostic graupel
Rain vs Rain	<p data-bbox="472 260 651 302">SURFPREC.EAU.GEC 2013/7/29 z0:0 +30h</p> 	<p data-bbox="1073 260 1252 302">SURFPREC.EAU.GEC 2013/7/29 z0:0 +30h</p> 
Snow vs Snow	<p data-bbox="472 875 651 917">SURFPREC.NEI.GEC 2013/7/29 z0:0 +30h</p> 	<p data-bbox="1073 875 1252 917">SURFPREC.NEI.CON 2013/7/29 z0:0 +30h</p> 

Snow  
vs  
Graupel

SURFPREC.NEI.GEC  
2013/7/29 z0:0 +30h

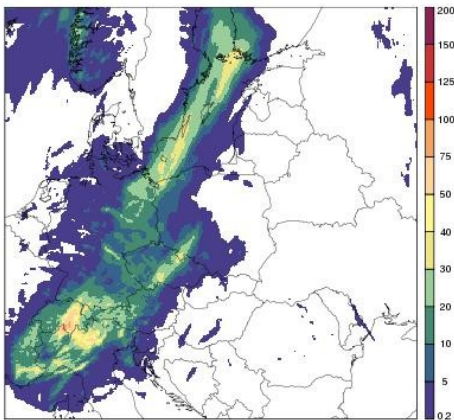


SURFPREC.GRA.GEC  
2013/7/29 z0:0 +30h

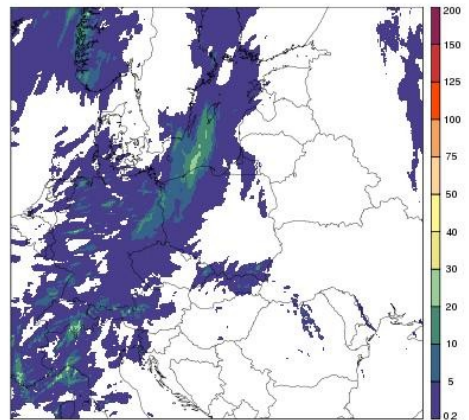


Total vs  
Total

SURFPREC.EAU.GEC  
2013/7/29 z0:0 +30h



SURFPREC.EAU.GEC  
2013/7/29 z0:0 +30h



07/30/2013 06:00 UTC

