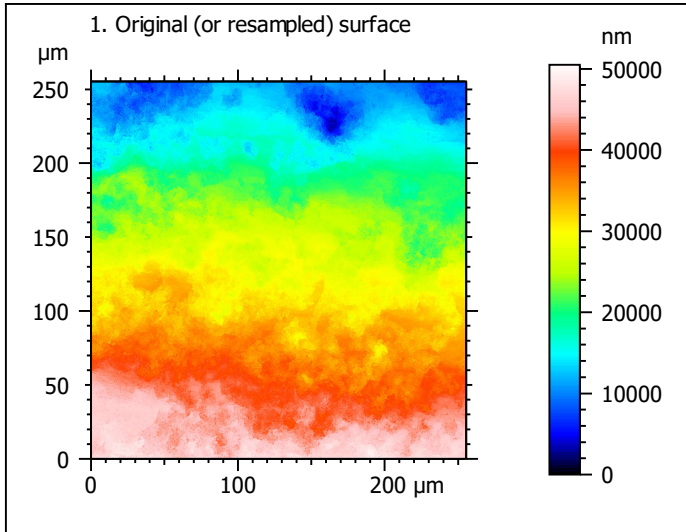


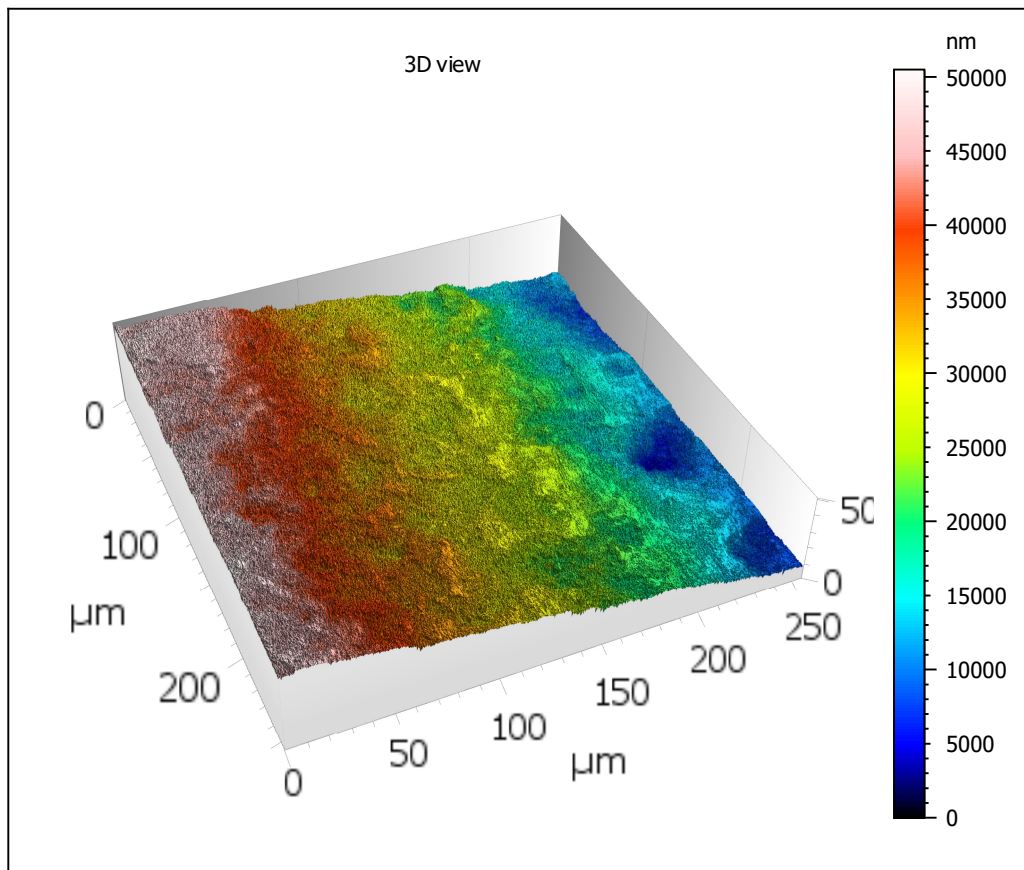
### Template - Processing analysis

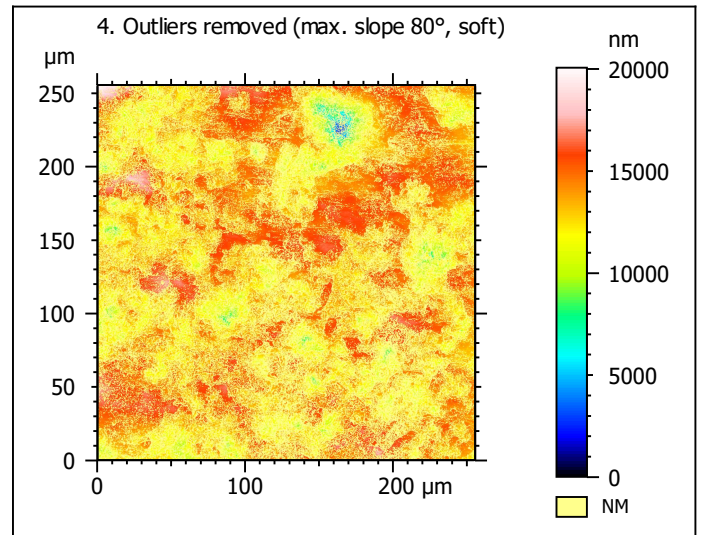
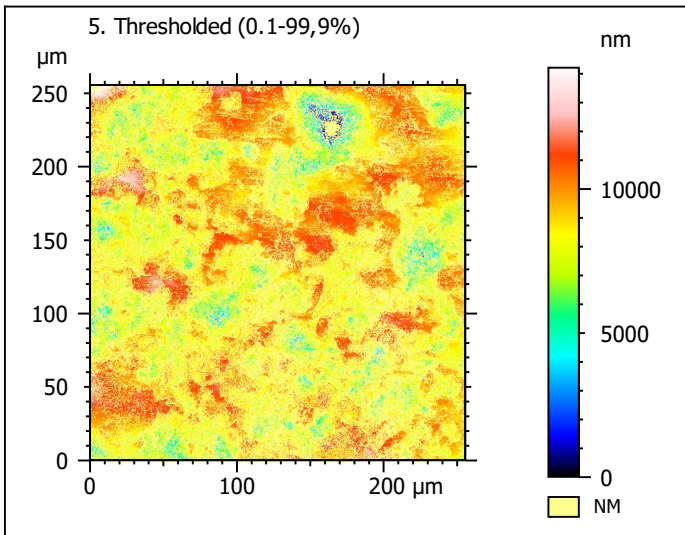
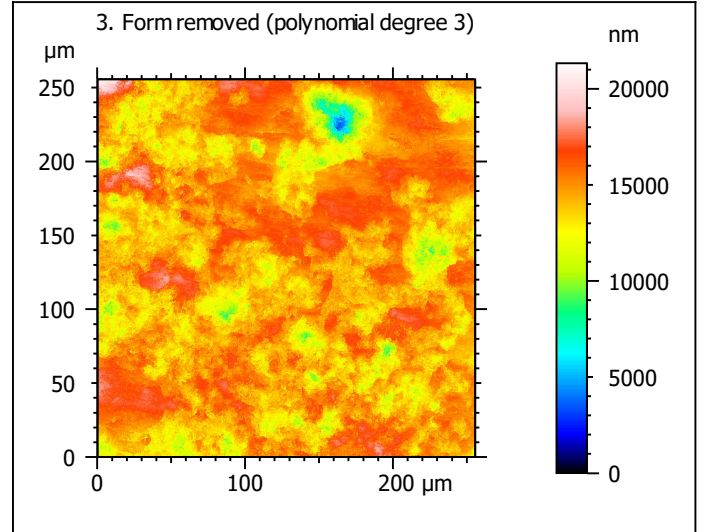
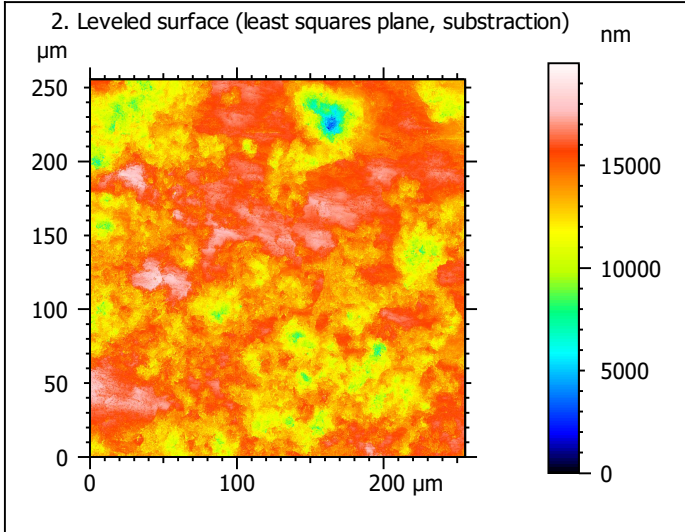
Template to process all surfaces acquired with the LSM with the 50x/0.75 and 50x/0.95 objectives.

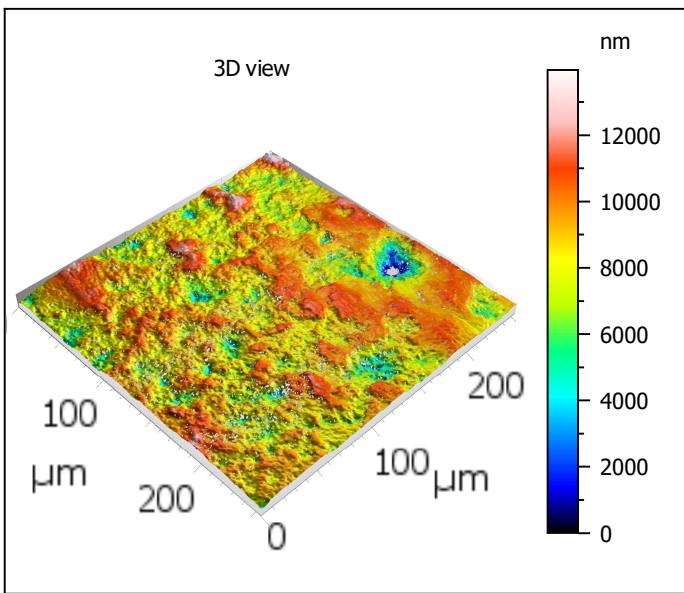
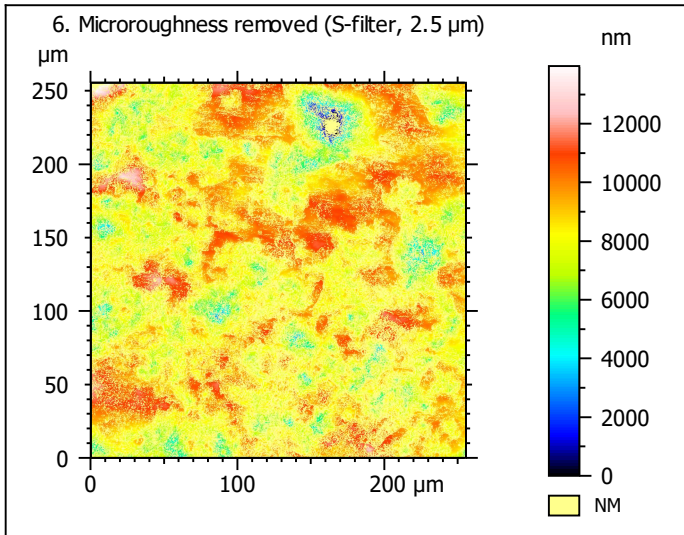
### Processing



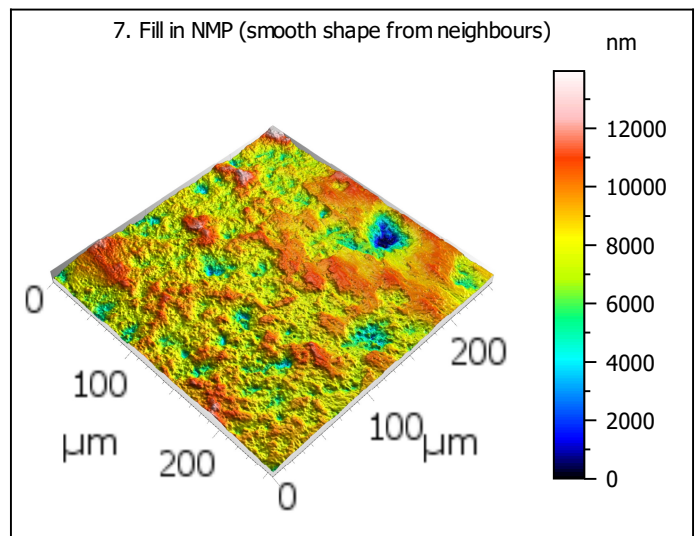
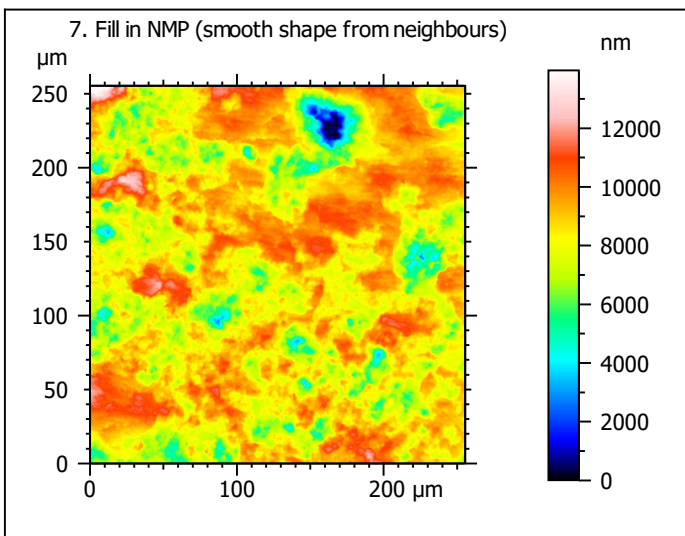
Identity card			
Name:	Lime3-8_LSM_50x075_surface1_Topo		
Created on:	3/10/2020 11:06:51 AM		
Studiabile type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	50494	nm	
Size:	65532	digits	
Spacing:	0.7705	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	Lime3-8_LSM_50x075...filtered ( $\lambda$ s 2.500 $\mu\text{m}$ )		
File path:	C:\Lime3-8_LSM_50x075_surface1_Topo.sur		
Created on:	3/10/2020 11:06:51 AM		
Studiabale type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.5	$\mu\text{m}$	
Size:	3000	points	
Spacing:	0.08519	$\mu\text{m}$	
Offset:	0.000	$\mu\text{m}$	
<b>Axis:</b>	<b>Y</b>		
Length:	255.5	$\mu\text{m}$	
Size:	3000	points	
Spacing:	0.08519	$\mu\text{m}$	
Offset:	-255.5	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	13966	nm	
Min:	-8327	nm	
Max:	5639	nm	
Size:	181249	digits	
Spacing:	0.07705	nm	
NM-points ratio:	46.50 % (4185322 Pts)		

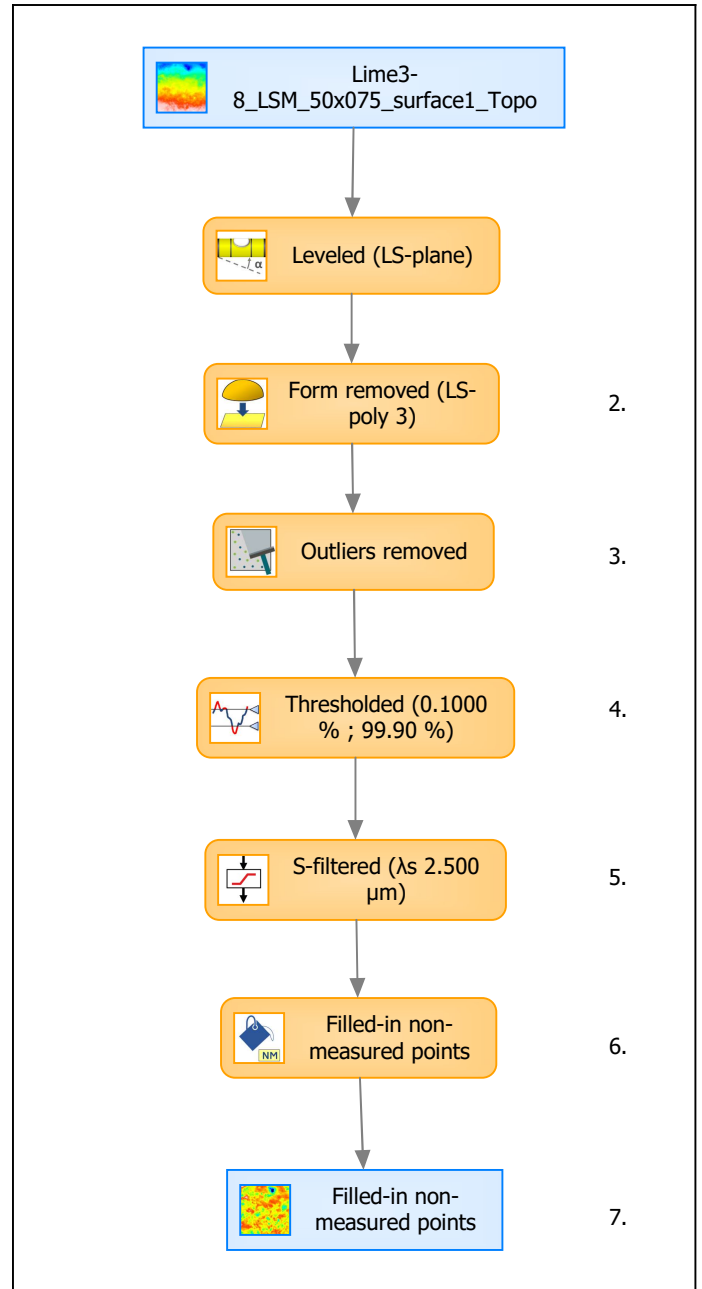


Identity card			
Name:	Lime3-8_LSM_50x075_s...in non-measured points		
Created on:	3/10/2020 11:06:51 AM		
Studiable type:	Surface		
<b>Axis: X</b>			
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis: Y</b>			
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis: Z</b>			
Layer type:	Topography		
Length:	13966	nm	
Size:	181249	digits	
Spacing:	0.07705	nm	
NM-points ratio:	0.000 % (0 Pts)		

### Analyses

#### 8. ISO 25178-2 parameters on surface #7

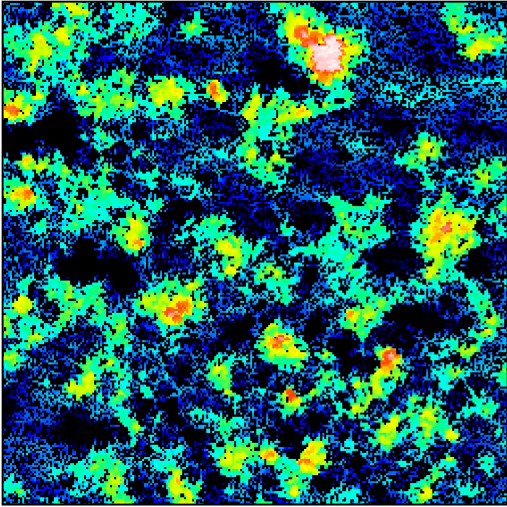
ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	1537	nm	
Ssk	-0.7253		
Sku	5.221		
Sp	5531	nm	
Sv	8435	nm	
Sz	13966	nm	
Sa	1181	nm	
Functional parameters			
Smr	0.1428	%	
Smc	1803	nm	
Sxp	3320	nm	
Spatial parameters			
Sal	17.57	μm	
Str	0.7492		
Std	170.0	°	
Hybrid parameters			
Sdq	0.5168		
Sdr	11.20	%	
Functional parameters (Volume)			
Vm	0.05835	μm <sup>3</sup> /μm <sup>2</sup>	
Vv	1.861	μm <sup>3</sup> /μm <sup>2</sup>	
Vmp	0.05835	μm <sup>3</sup> /μm <sup>2</sup>	
Vmc	1.309	μm <sup>3</sup> /μm <sup>2</sup>	
Vvc	1.650	μm <sup>3</sup> /μm <sup>2</sup>	
Vvv	0.2113	μm <sup>3</sup> /μm <sup>2</sup>	



Analyses:	
ISO 25178	8.
Furrow	9.
Texture direction	10.
Texture isotropy	11.
SSFA	12.



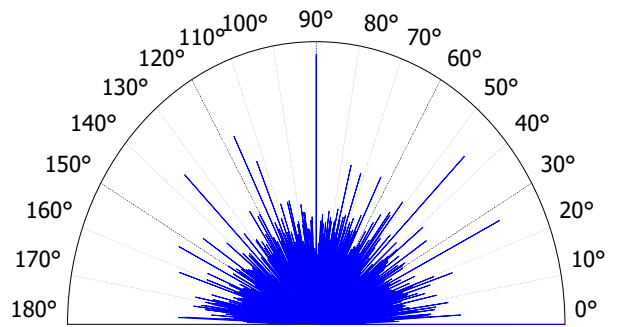
9. Furrow analysis on surface #7



All furrows are shown.

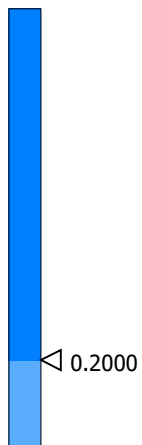
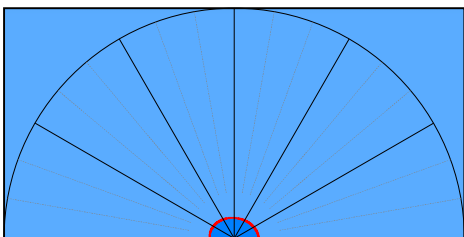
Parameters	Value	Unit
Maximum depth of furrows	7610	nm
Mean depth of furrows	1958	nm
Mean density of furrows	4196	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	0.02007	°
Second direction	90.01	°
Third direction	45.01	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Isotropy	81.21	%

12. SSFA on surface #7

