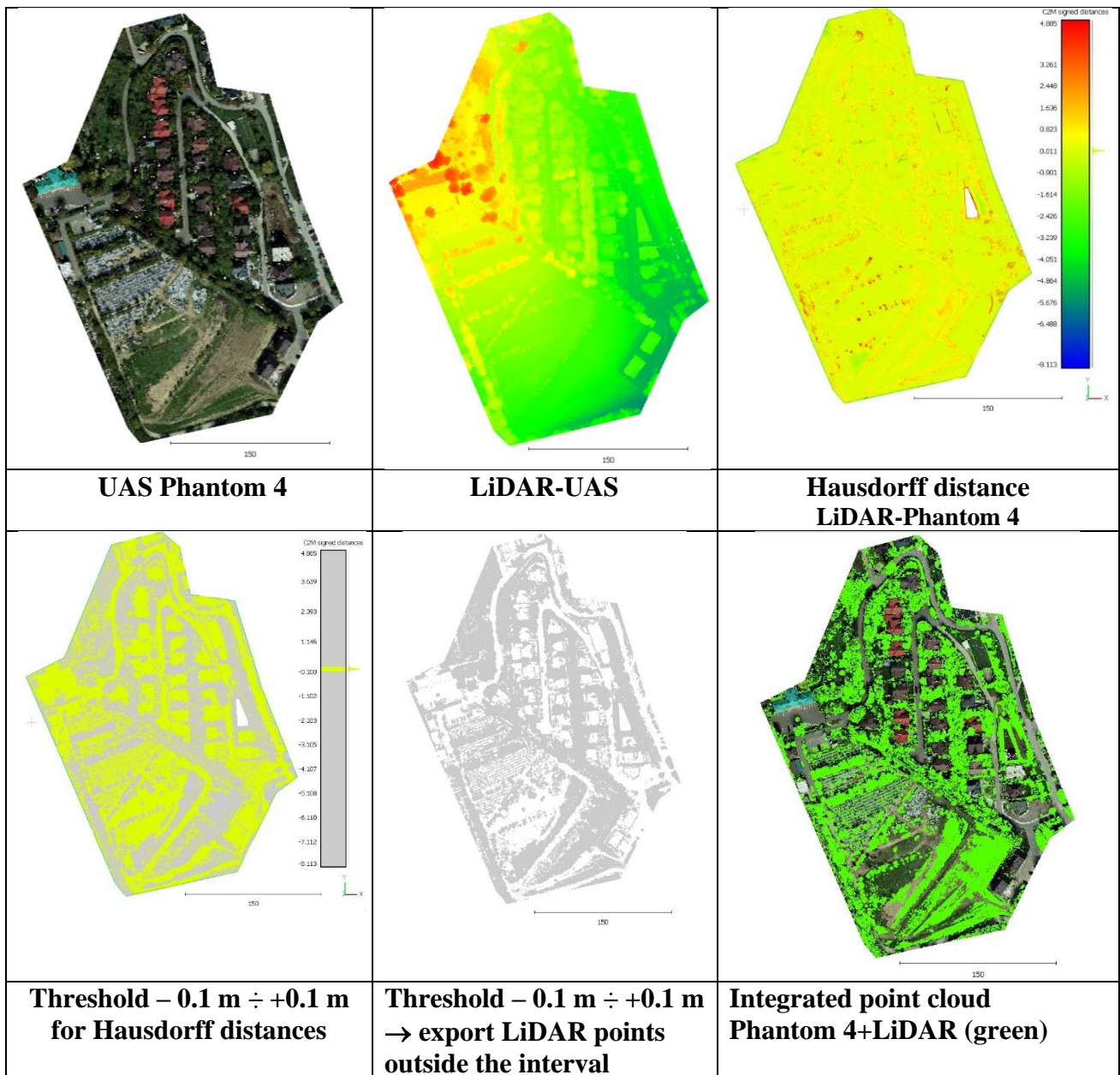


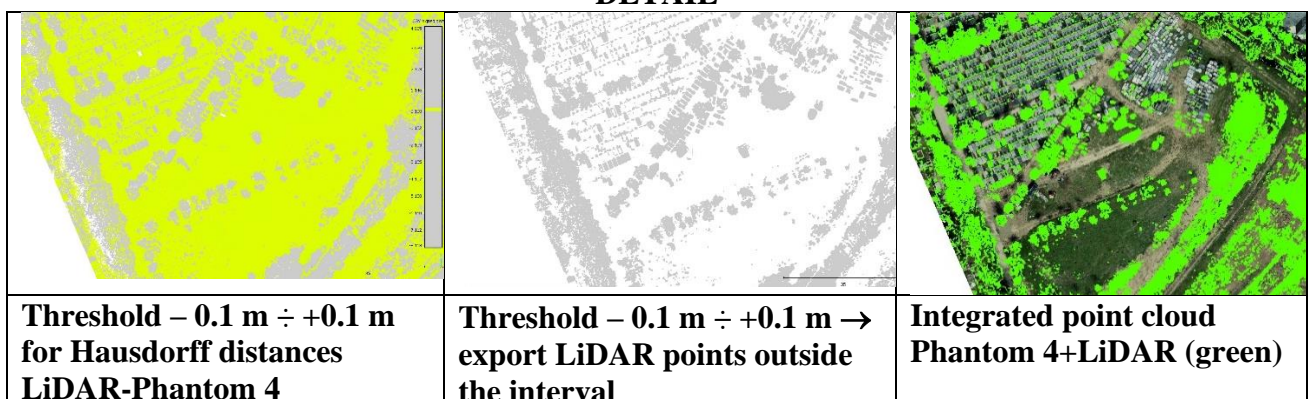
Objective 1: Integrating UAS point clouds with LiDAR point clouds and testing the accuracy of the integrated point clouds.

RURAL STUDY AREA

UAS Phantom 4 NADIR+OBLIQUE

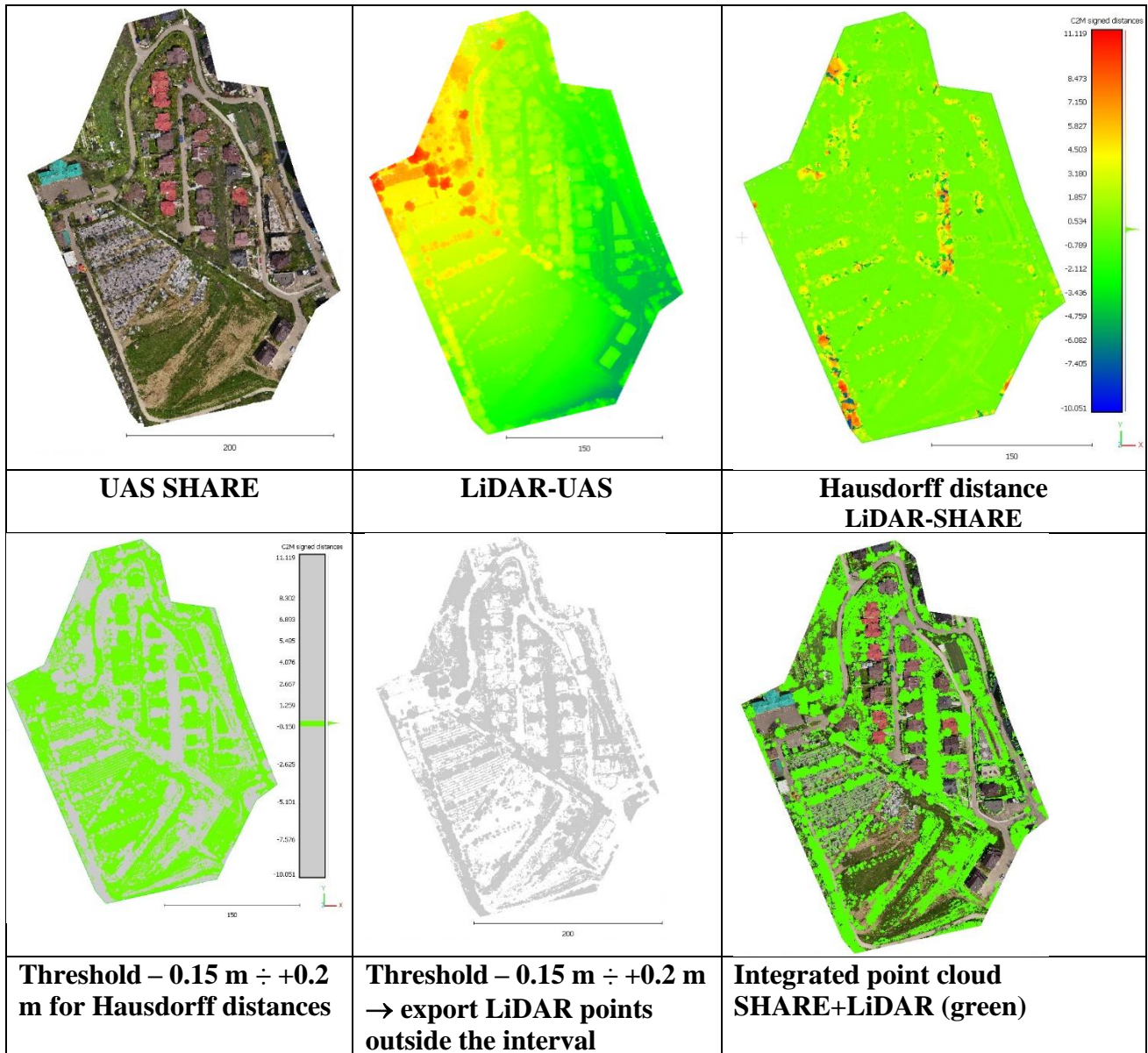


DETAIL

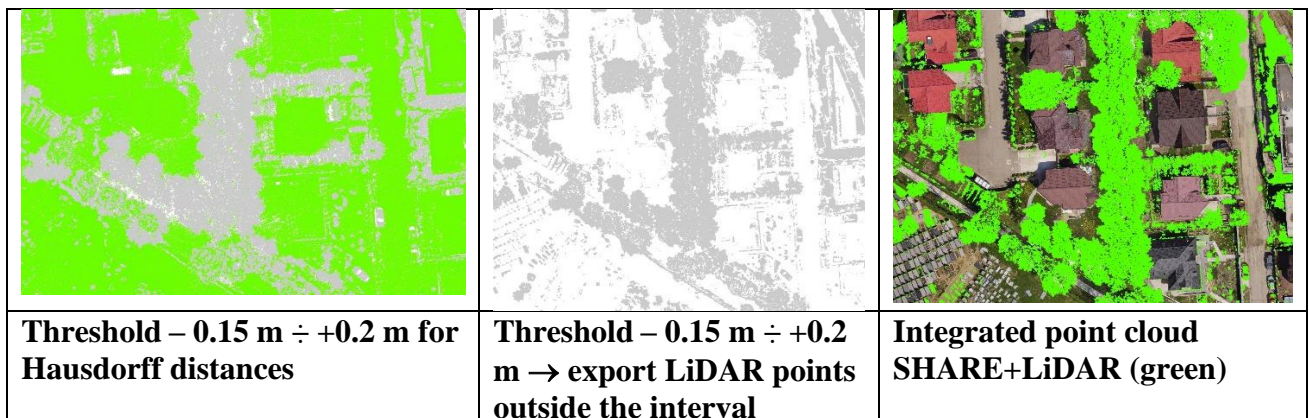


RURAL STUDY AREA

UAS SHARE

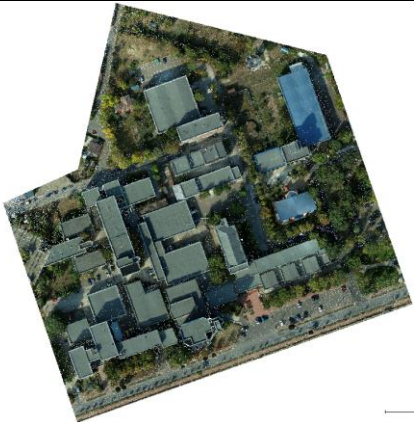
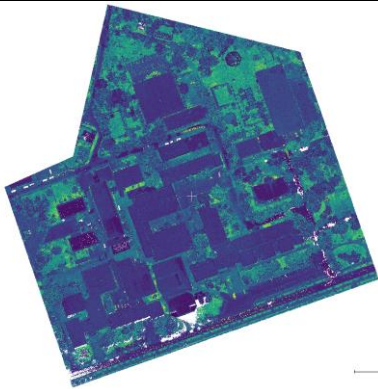
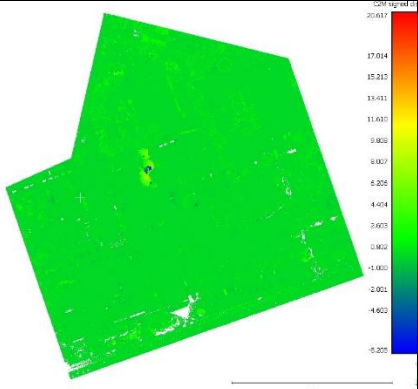
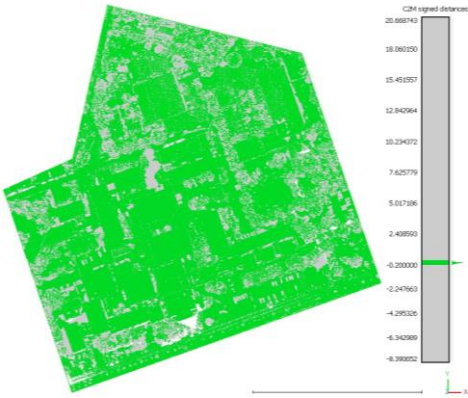

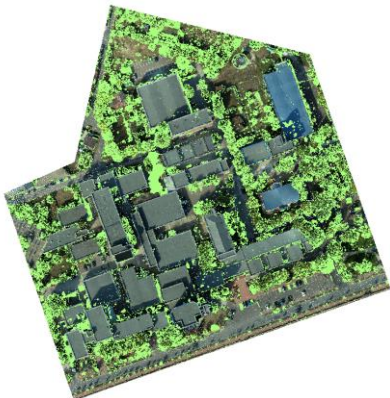


DETAIL

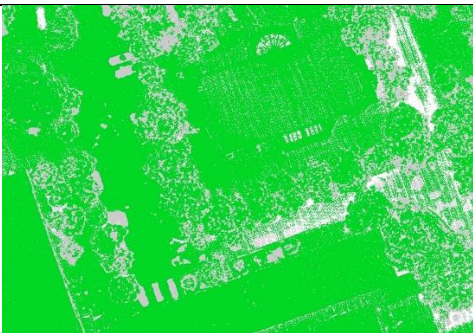




URBAN STUDY AREA

UAS Phantom 4 NADIR+OBLIQUE

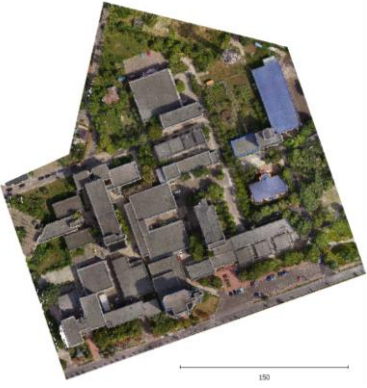
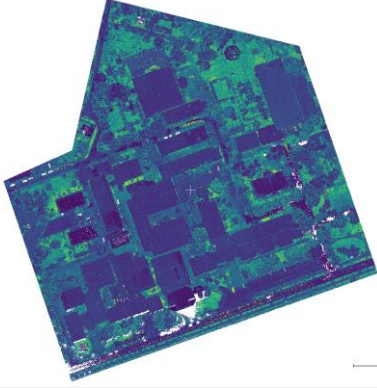
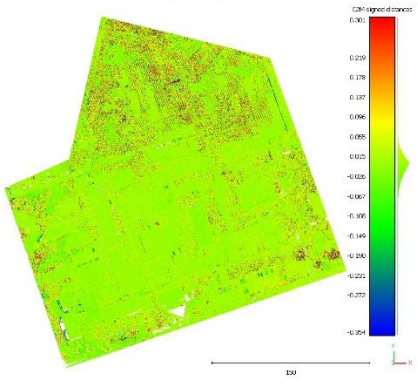
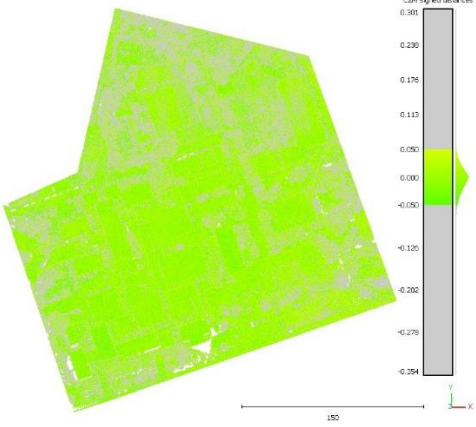

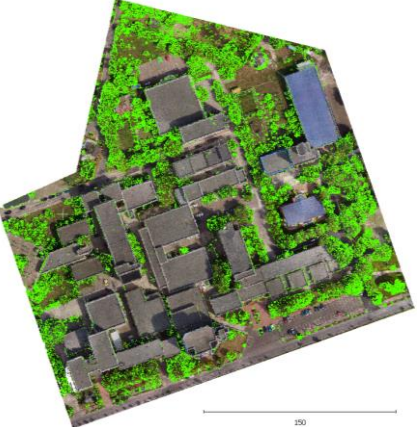
		
<p>UAS Phantom 4</p>	<p>LiDAR-UAS (color palette-viridis)</p>	<p>Hausdorff distance LiDAR-Phantom 4</p>
		
<p>Threshold – 0.25 m ÷ +0.15 m for Hausdorff distances</p>	<p>Threshold – 0.25 m ÷ +0.15 m → export LiDAR points outside the interval</p>	<p>Integrated point cloud Phantom 4+LiDAR (green)</p>

DETAIL




		
<p>Threshold – 0.25 m ÷ +0.15 m for Hausdorff distances</p>	<p>Threshold – 0.25 m ÷ +0.15 m → export LiDAR points outside the interval</p>	<p>Integrated point cloud Phantom 4+LiDAR (green)</p>

URBAN STUDY AREA

UAS SHARE

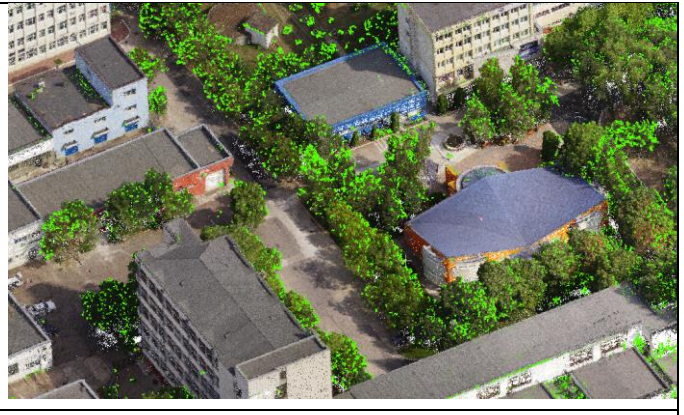
		
<p align="center">UAS SHARE</p>	<p align="center">LiDAR-UAS (color palette-viridis)</p>	<p align="center">Hausdorff distance LiDAR-SHARE</p>
		
<p>Threshold – 0.05 m ÷ +0.05 m for Hausdorff distances</p>	<p>Threshold – 0.05 m ÷ +0.05 m → export LiDAR points outside the interval</p>	<p>Integrated point cloud SHARE+LiDAR (green)</p>

DETAIL

		
<p>Threshold – 0.05 m ÷ +0.05 m for Hausdorff distances</p>	<p>Threshold – 0.05 m ÷ +0.05 m → export LiDAR points outside the interval</p>	<p>Integrated point cloud SHARE+LiDAR (green)</p>



**Detail integrated point cloud
Phantom4+LiDAR (green)**



**Detail integrated point cloud SHARE+LiDAR
(green)**