

Horjul municipality

Spatial planning for flood protection

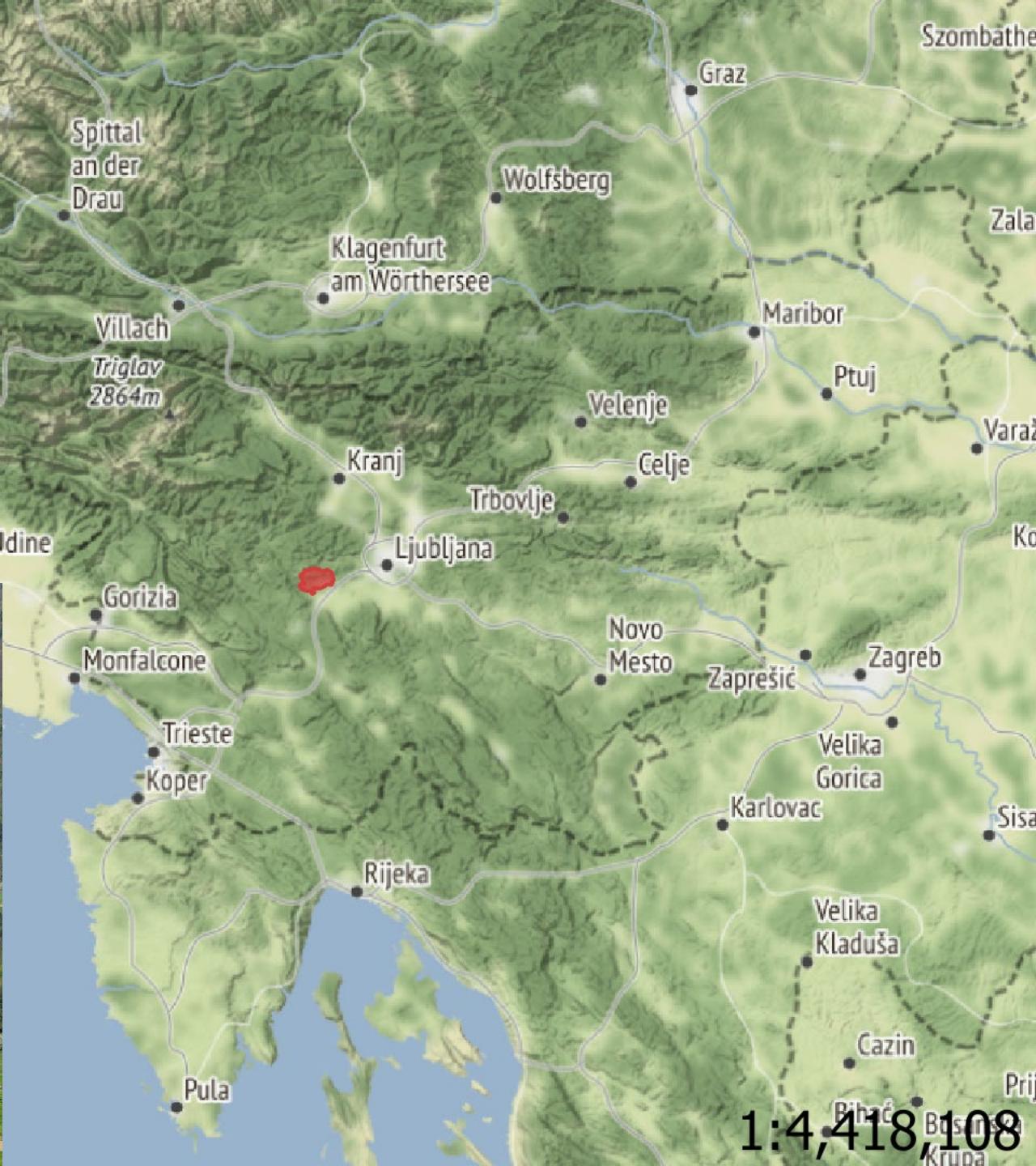
Arthur Guillot – Le Goff

University of Ljubljana – Semester of Autumn 2021

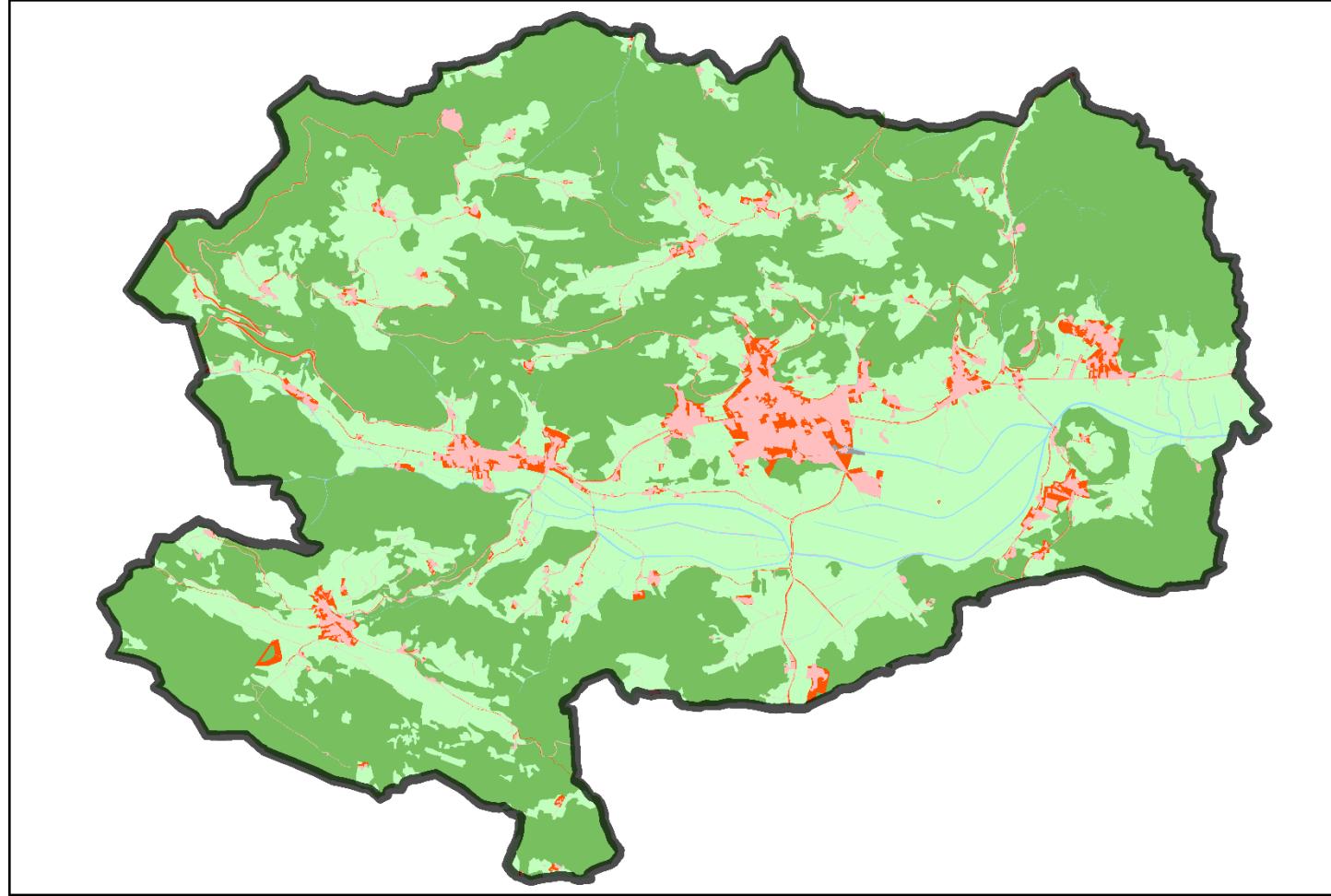


Horjul municipality

- Population : 2985 inhabitants
- Area : 32,5 m²
- Density : 92 inhabitants/m²
- 15 km from Ljubljana

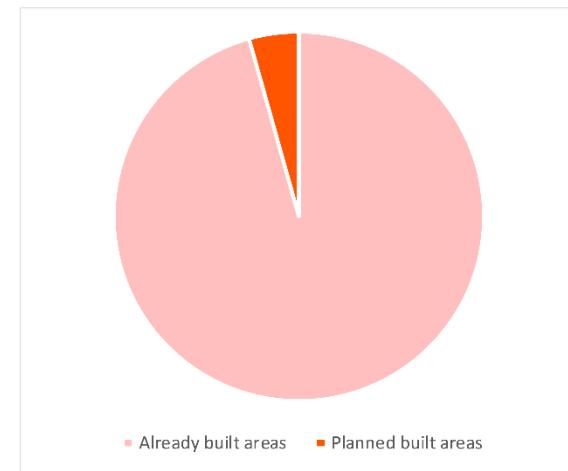


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	Actual land use		Planned land use		Difference
	m^2	%	m^2	%	
Agriculture areas	12372766	38,0%	11435984	35,3%	-936782
Built areas	1696961	5,2%	1774092	5,5%	77131
Forest areas	18408601	56,6%	18935643	58,4%	527042
Water	71742	0,2%	239024	0,7%	167282
Other	0	0,0%	28967	0,1%	28967
Total	32550070	100,0%	32413710	100,0%	

Undeveloped built areas in Horjul municipality

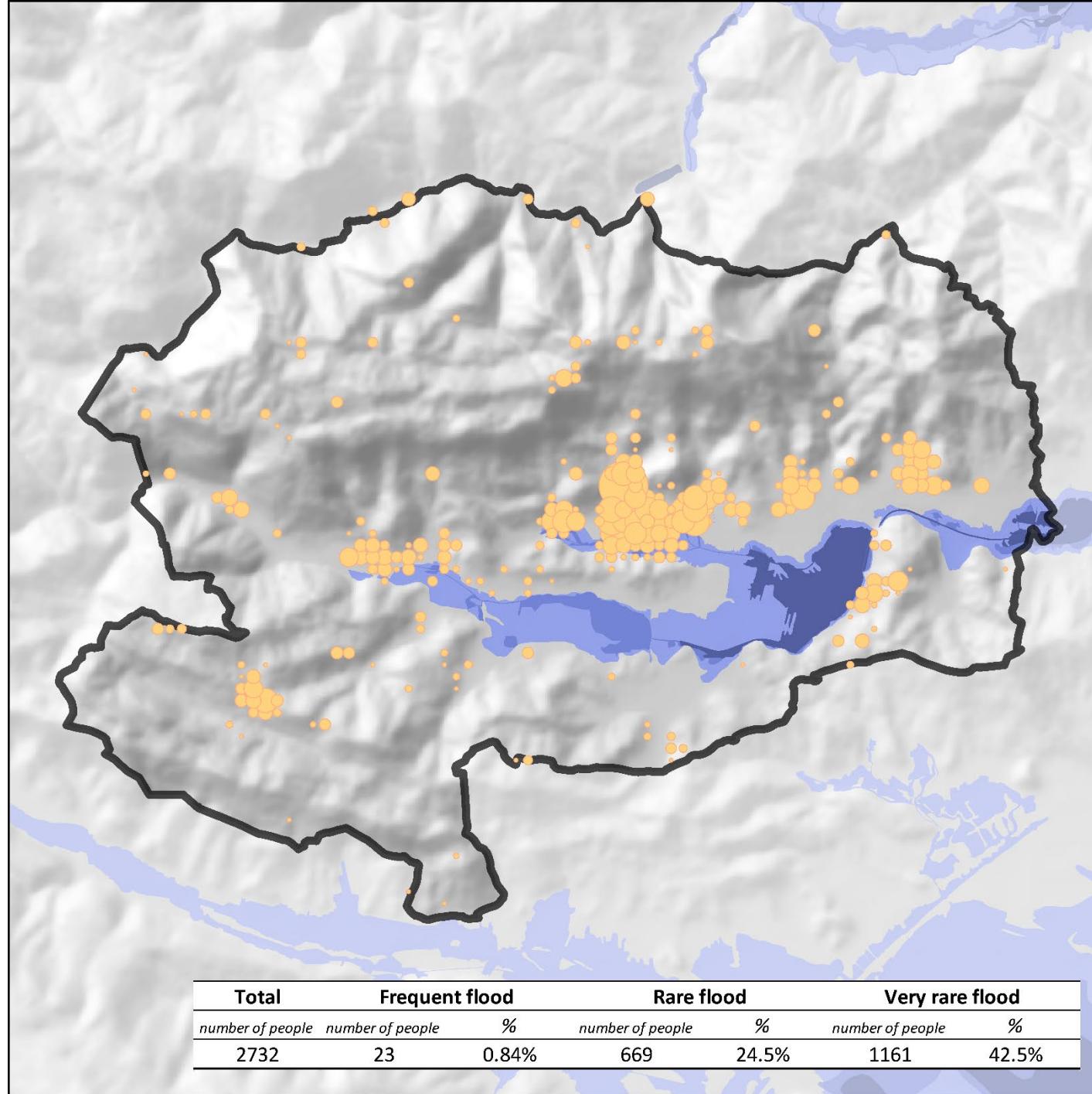


Legend

- Built areas
- Agriculture areas
- Planned build
- Forest areas
- Other areas
- Water
- Horjul borders

Sources: MOP (2021), GURS (2021).





Horjul municipality affected by flooding

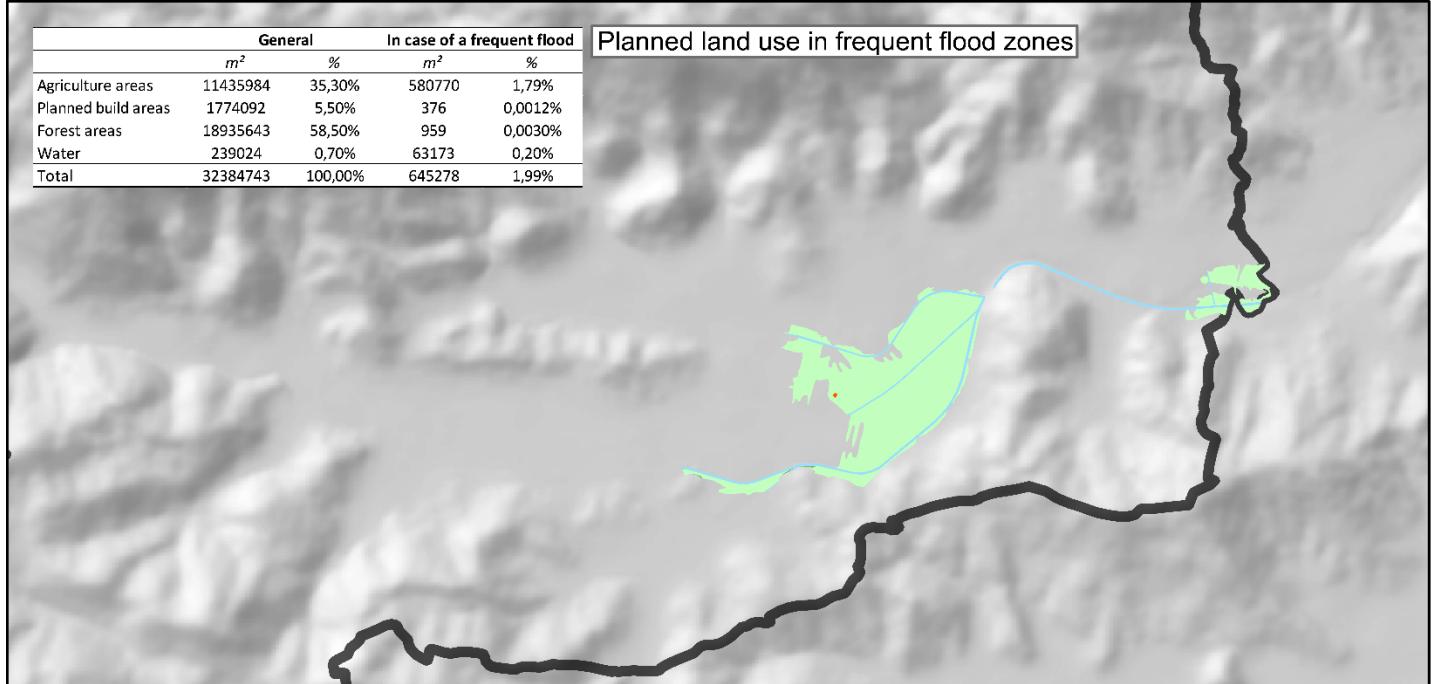
Legend

Poplution (100x100m grid)

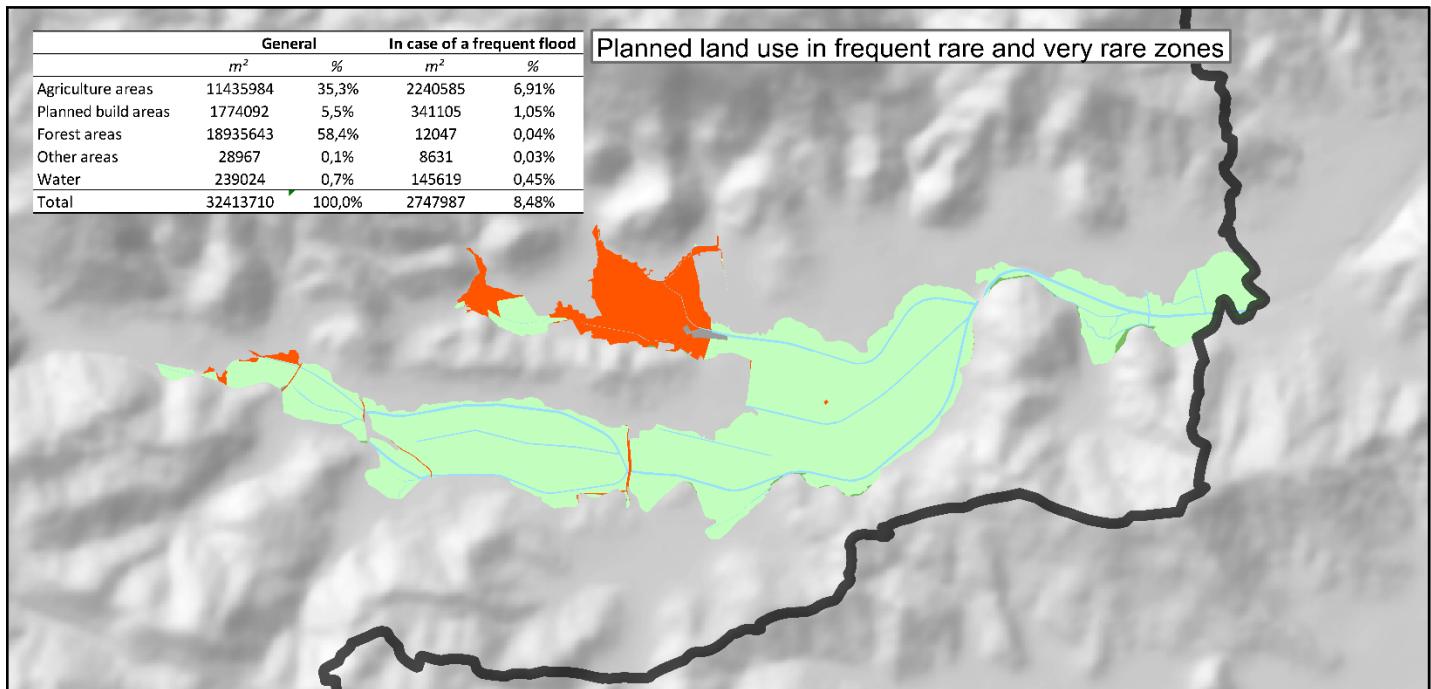
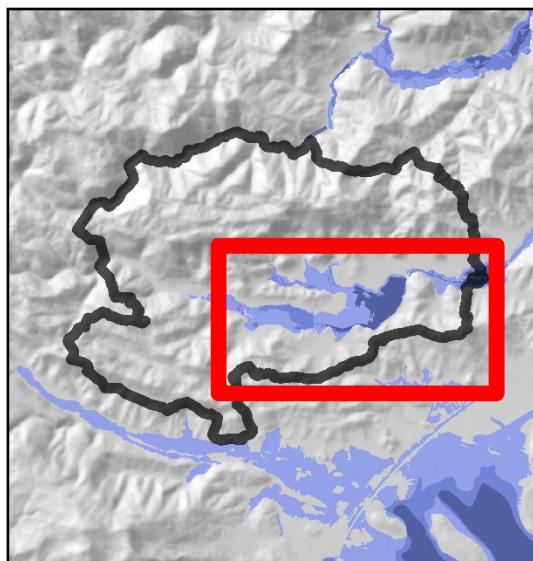
- 1
 - 10
 - 100
- Frequent flood
 - Rare flood
 - Very rare flood
- Horjul borders

Sources: ARSO (2020), GURS (2020), SURS (2020).

0 0.25 0.5 1 1.5 2 Kilometers



Planned land use in the flooded zones in Horjul municipality

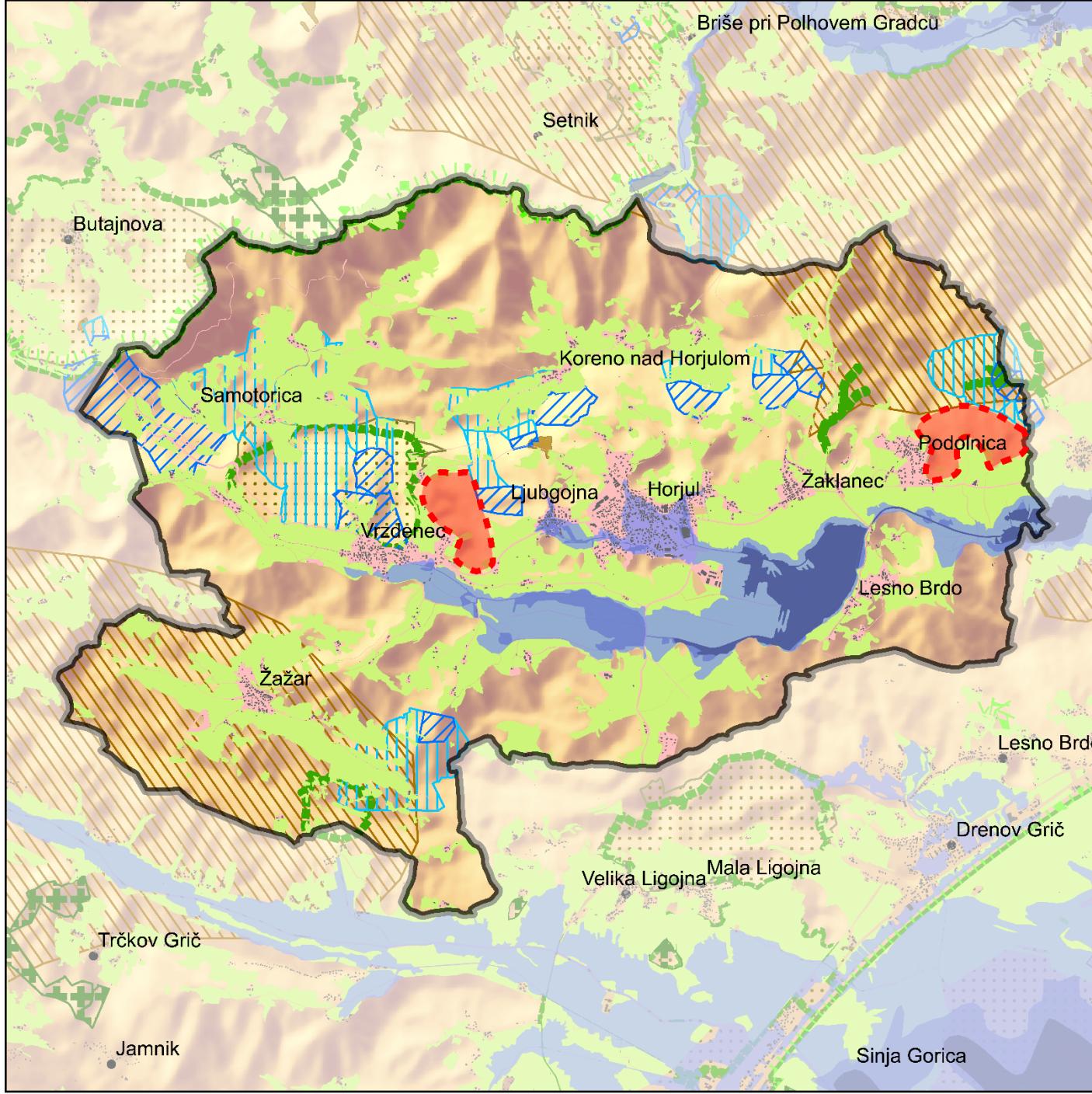


Legend

- Agriculture areas
- Planned build areas
- Forest areas
- Other areas
- Water
- Horjul borders

Sources: MOP (2021), GURS (2021).





Proposal for the urban development in Horjul municipality

Legend

- Horjul borders
- cliped building
- Frequent flood
- Rare flood
- Very rare flood
- Planned build
- Protected agricultural areas
- 1st level of water protection
- 2nd level of water protection
- 3rd level of water protection
- Protected forests
- Protected areas
- Natural 2000 sites
- Eco-important areas
- Erosion prone areas
- Landslide prone areas
- Areas suitable for urban development

Sources: ARSO (2020), GURS (2020), SURS (2020).

0 0.375 0.75 1.5 2.25 3 Kilometers

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