



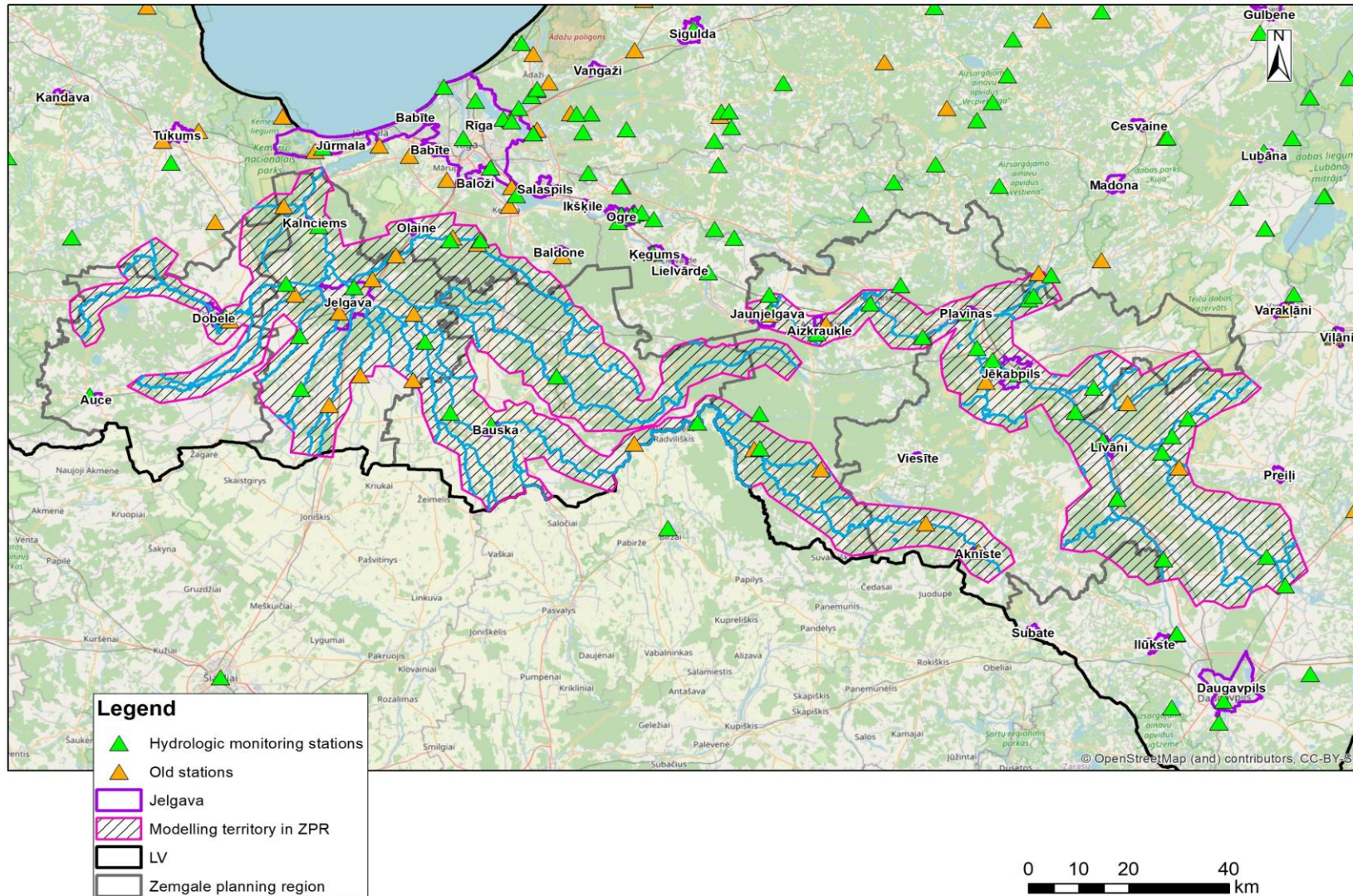
IMPETUS

Turning climate commitments into action

Agrīnās brīdināšanas sistēmas paplašināšana reģionālajā līmenī: sistēmas ietvars un darbības principi

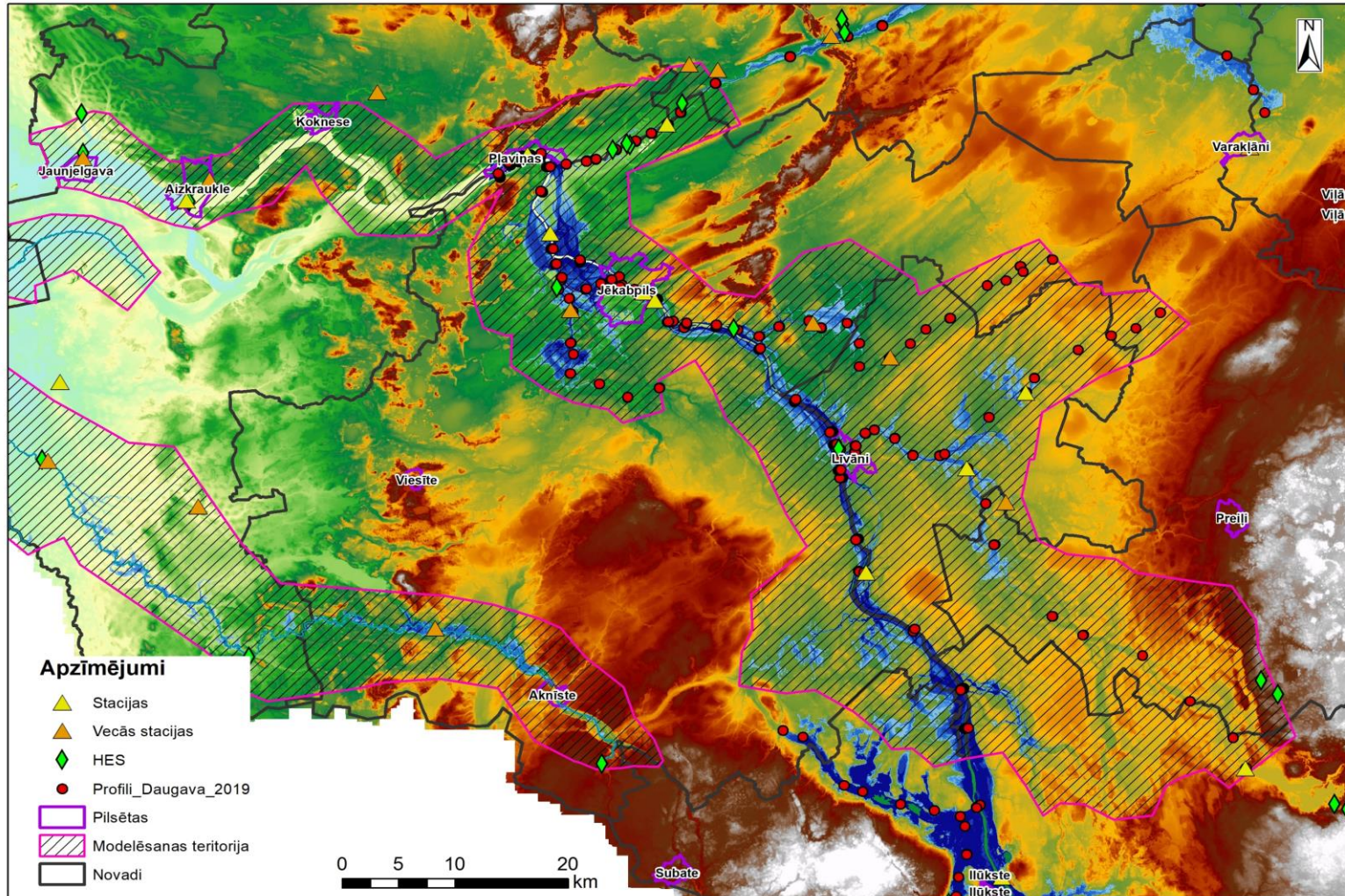
Plūdu prognožu sistēma

Iespējamā plūdu modelēšanas teritorija ZPR



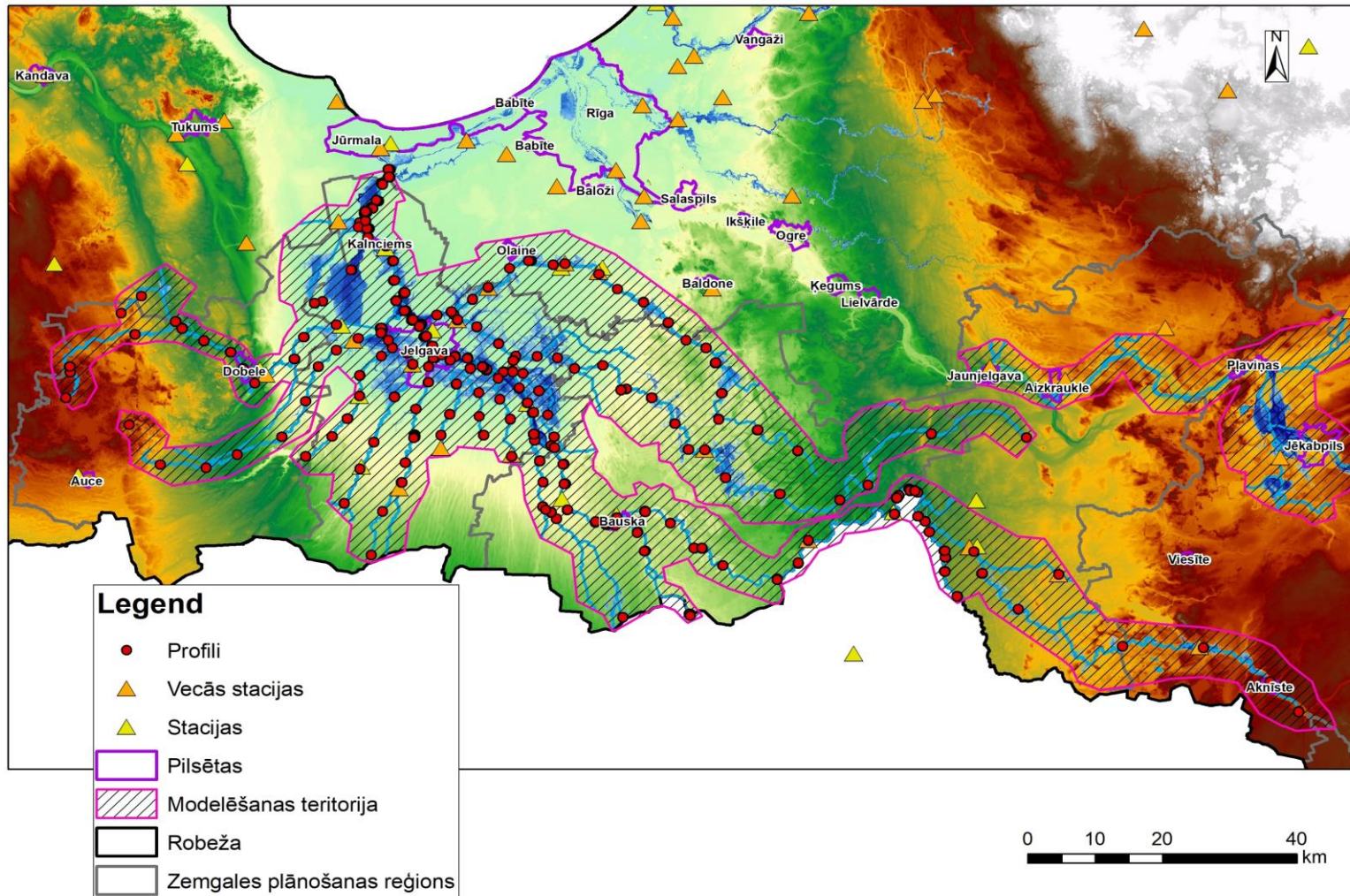
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101037084.

Iespējamā plūdu modelēšanas teritorija Daugavai un pietekām



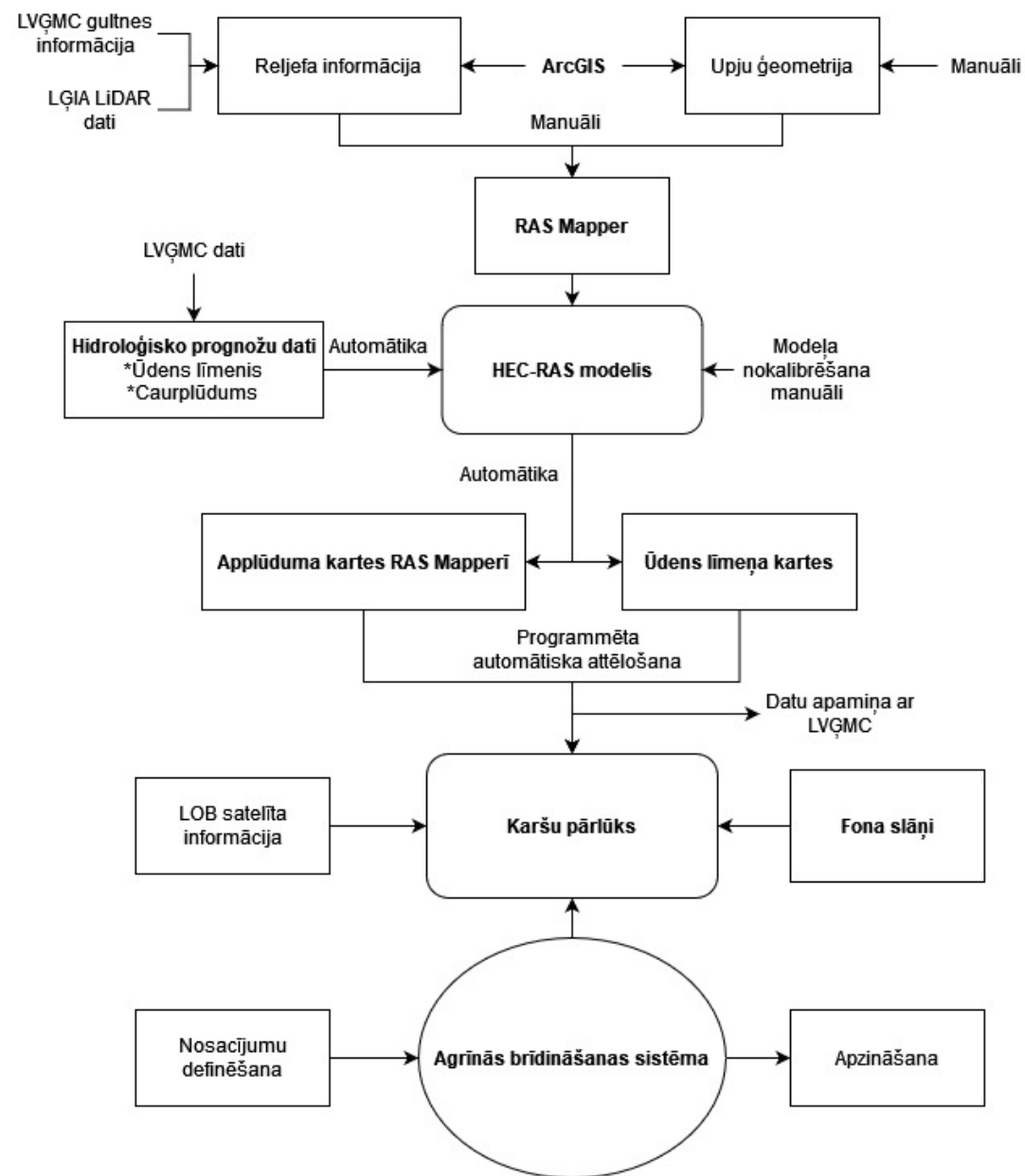
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Iespējamā plūdu modelēšanas teritorija Lielupei un pietekām



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Vienkāršota sistēmas darbības shēma

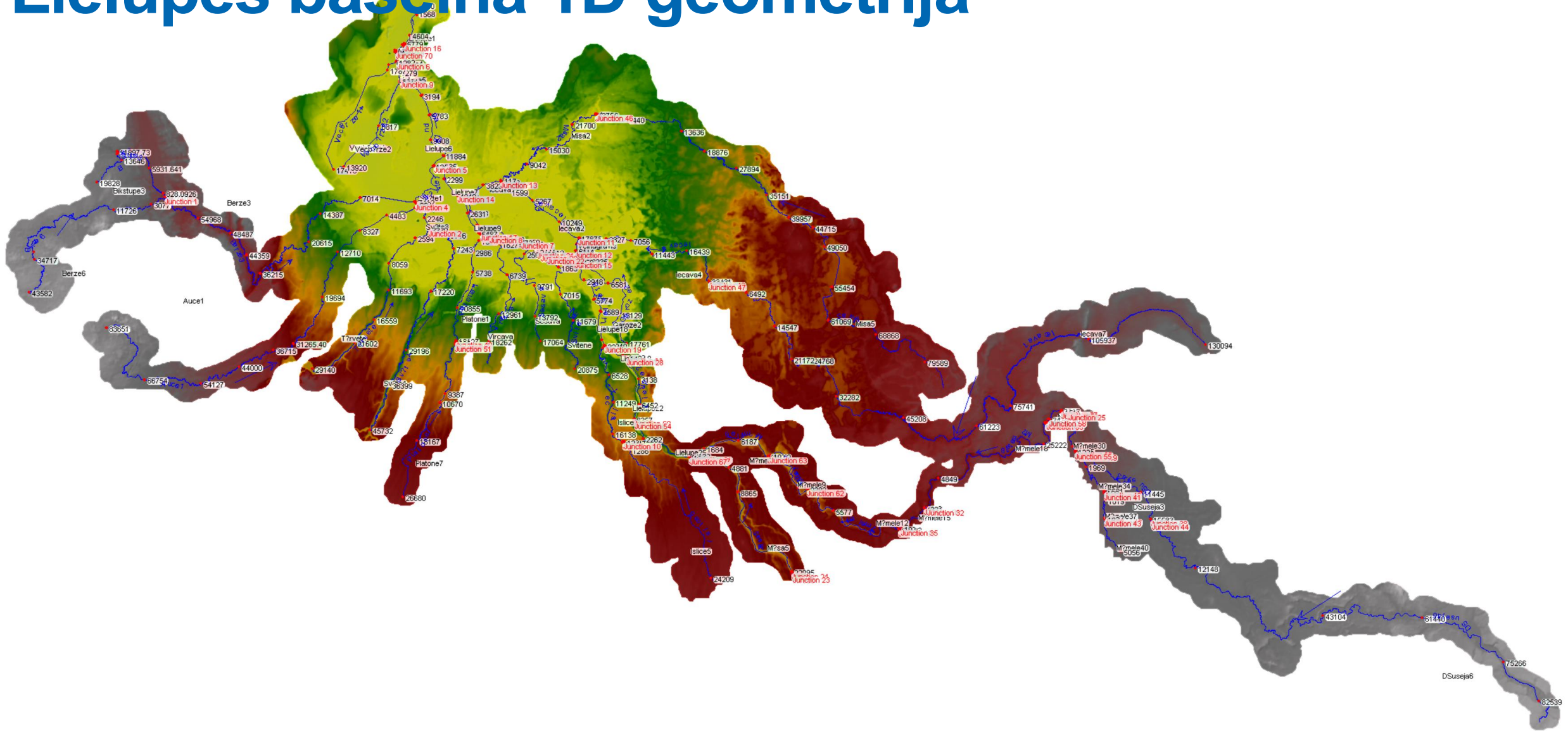


levades dati

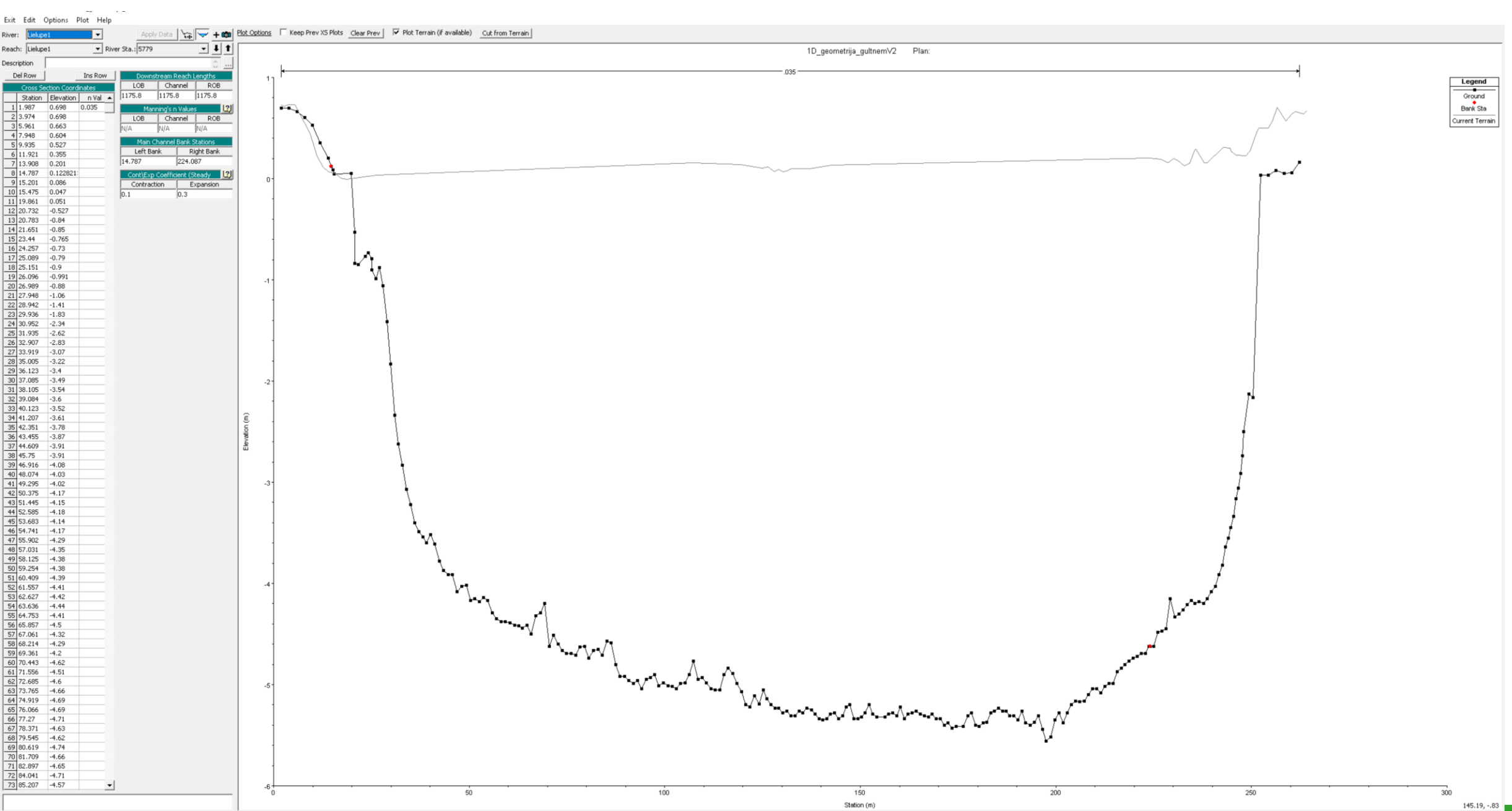
- Hidroloģiskie novērojumi (monitorings) un prognozes;
 - Novērojumi 6 reizes dienā > ūdens līmenis un caurplūdums;
- Uz LiDAR datiem balstīts digitālais reljefa modelis (DTM – 2x2 m);
- Gultnes informācija > gultnes skenēšanas dati, šķērsprofili;
- 2D modelēšanas teritorija;
- Zemes lietojums;
- u.c.



Lielupes baseina 1D ģeometrija

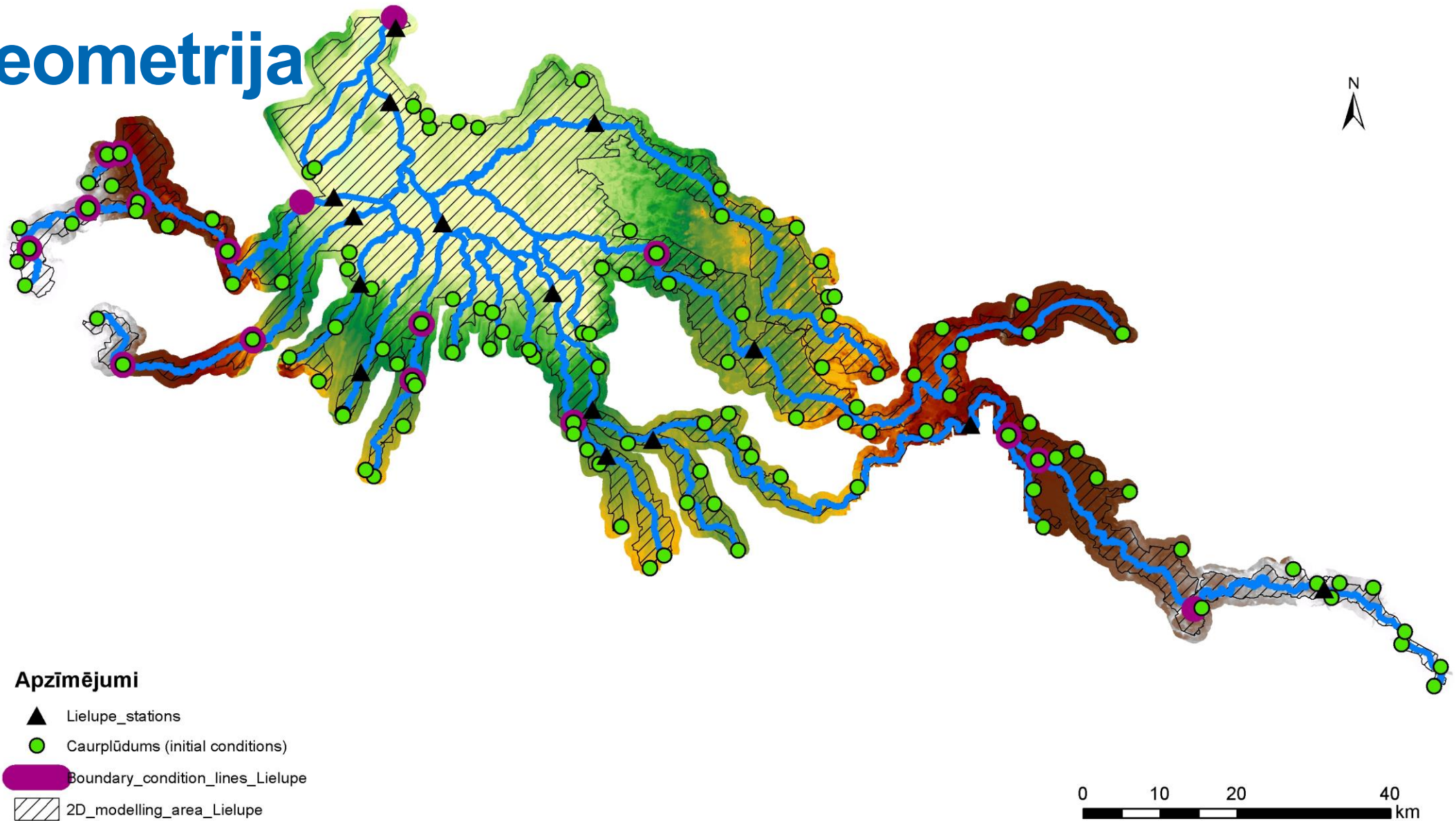


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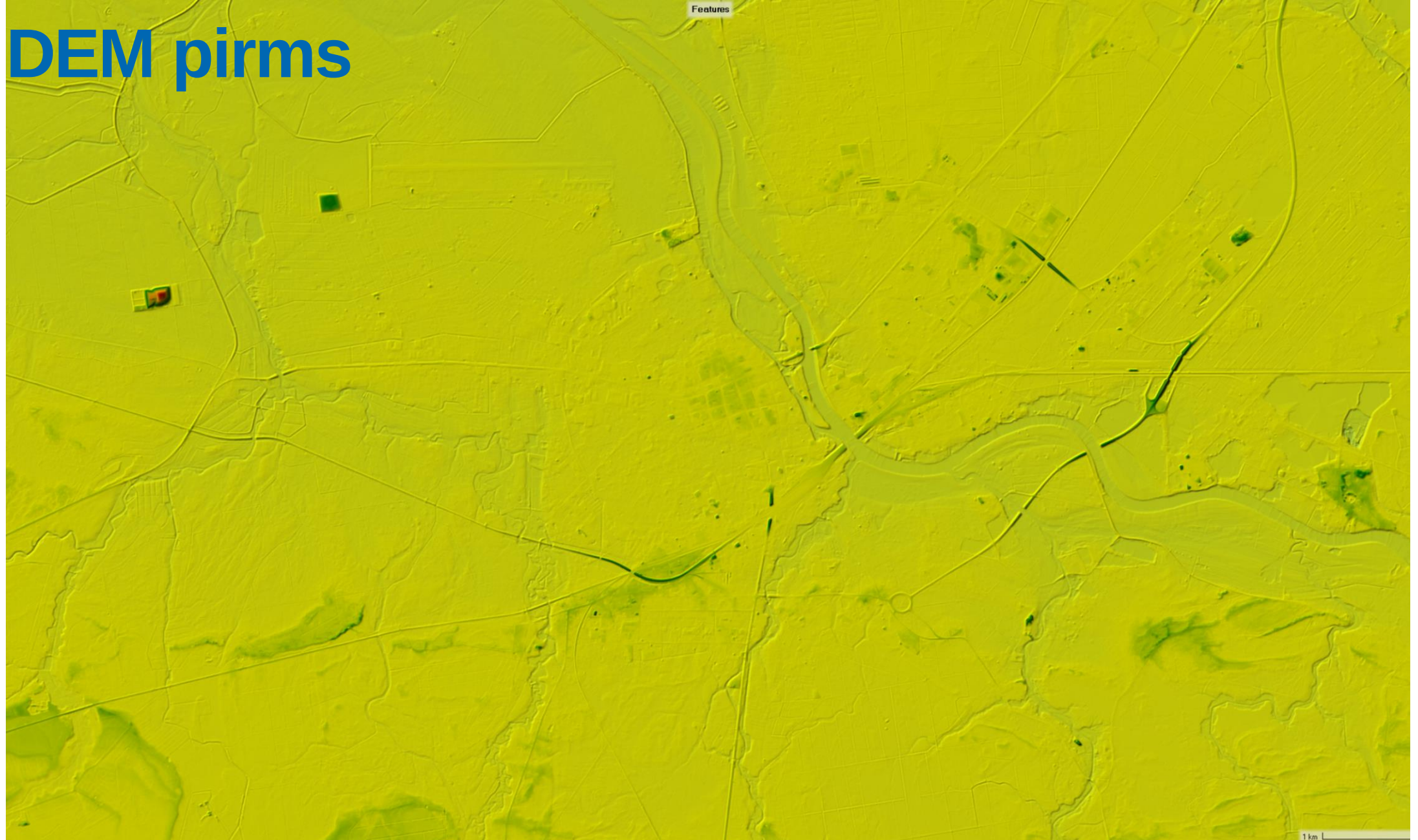
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2D ģeometrija



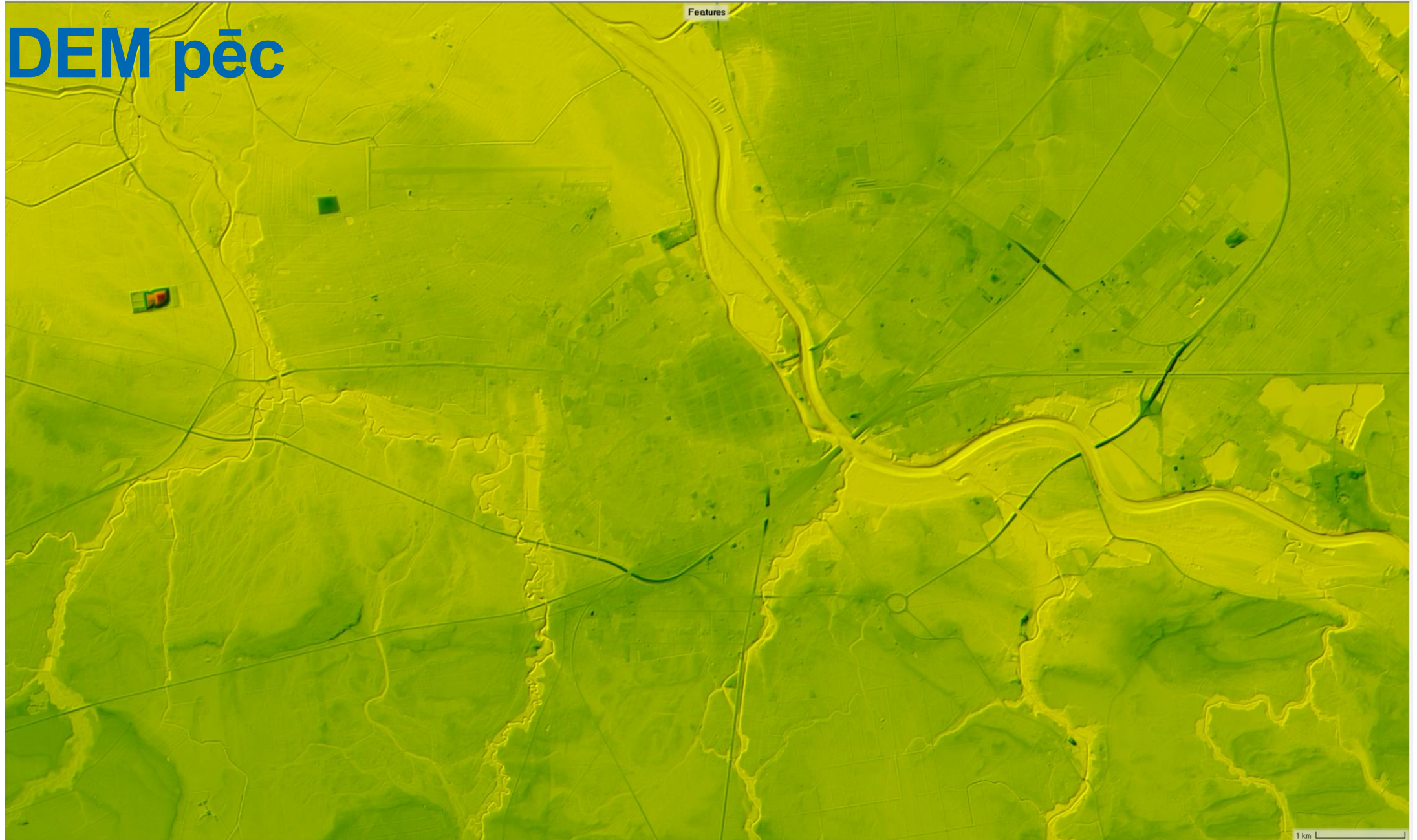
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DEM pirms



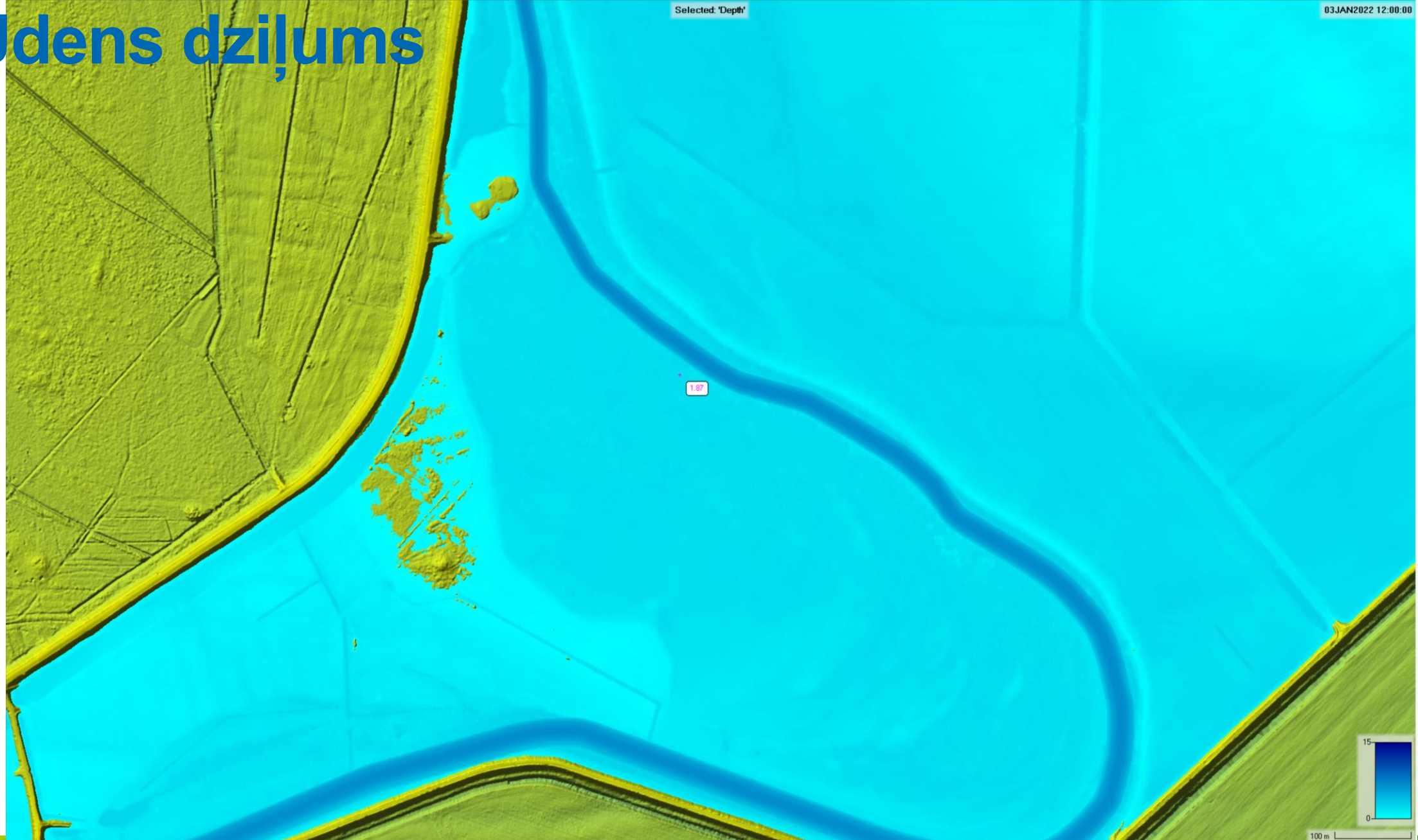
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DEM pēc



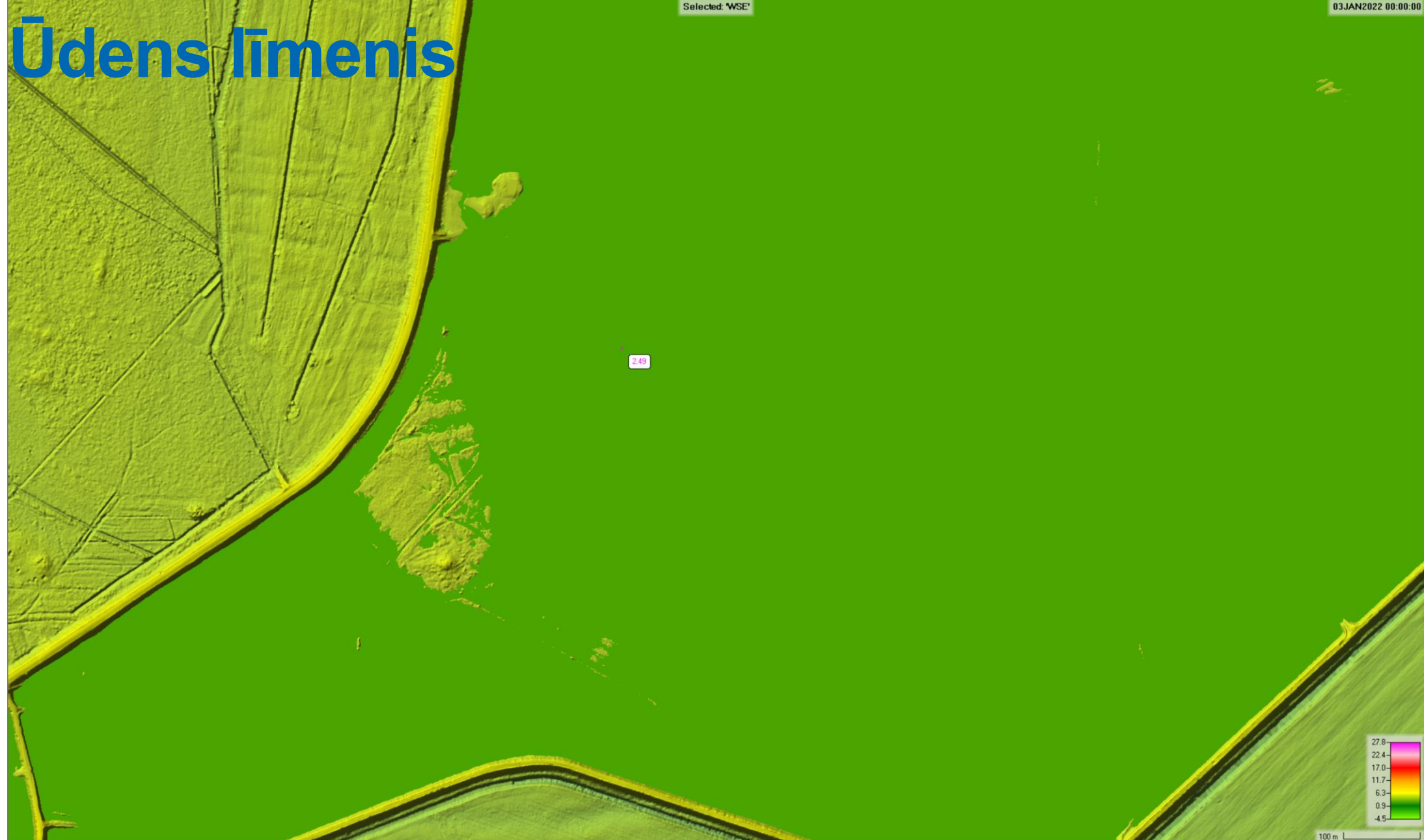
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Ūdens dziļums



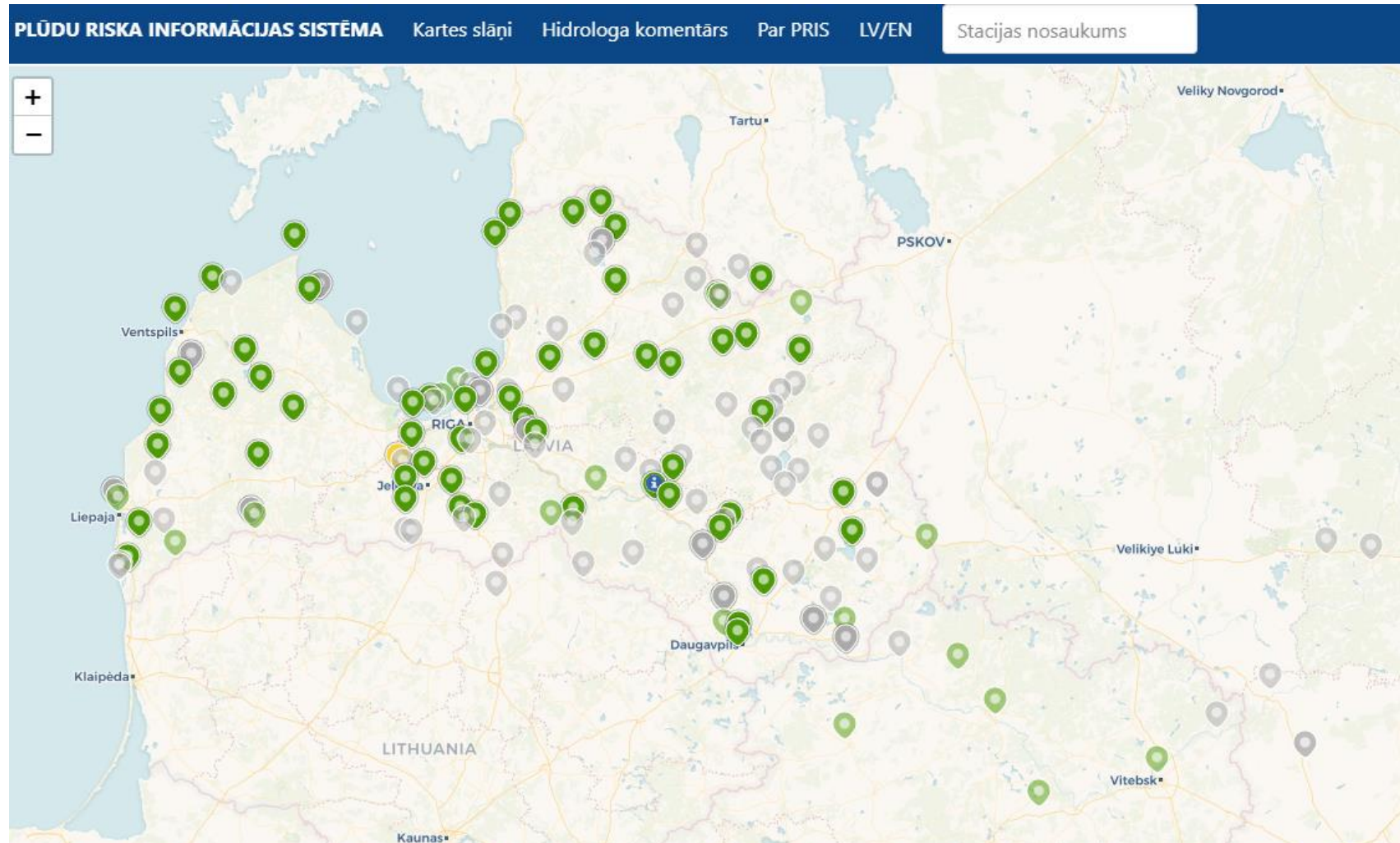
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Ūdens līmenis



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Hidroloģiskie novērojumi un prognozes no Plūdu risku informācijas sistēmas (PRIS) hidro.meteo.lv



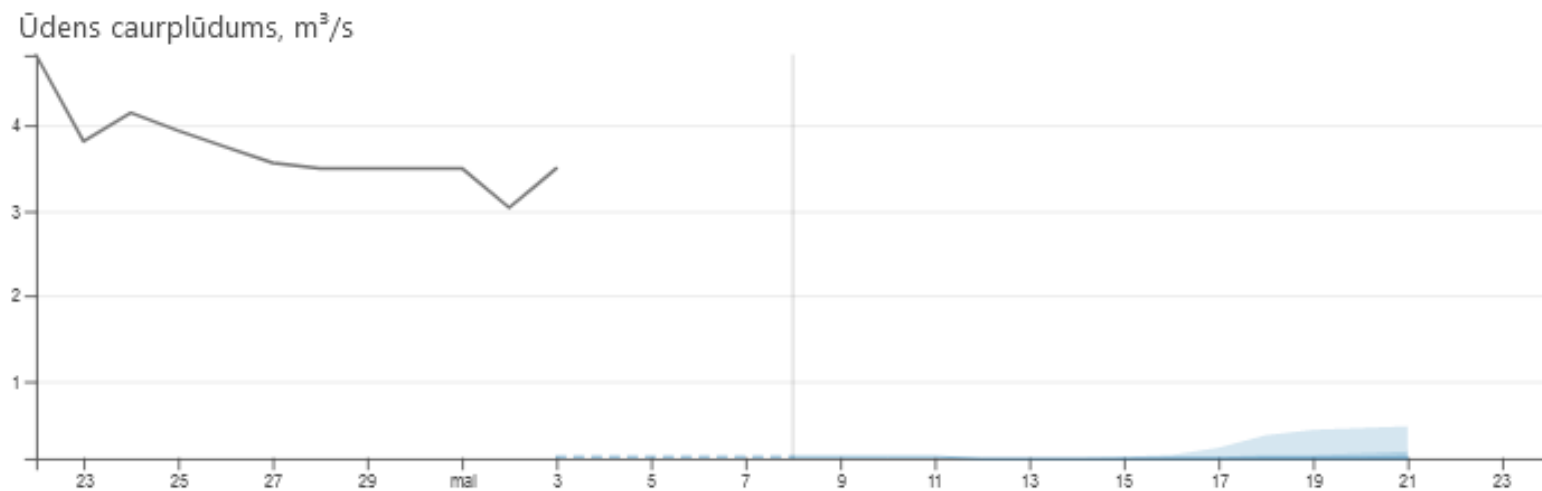
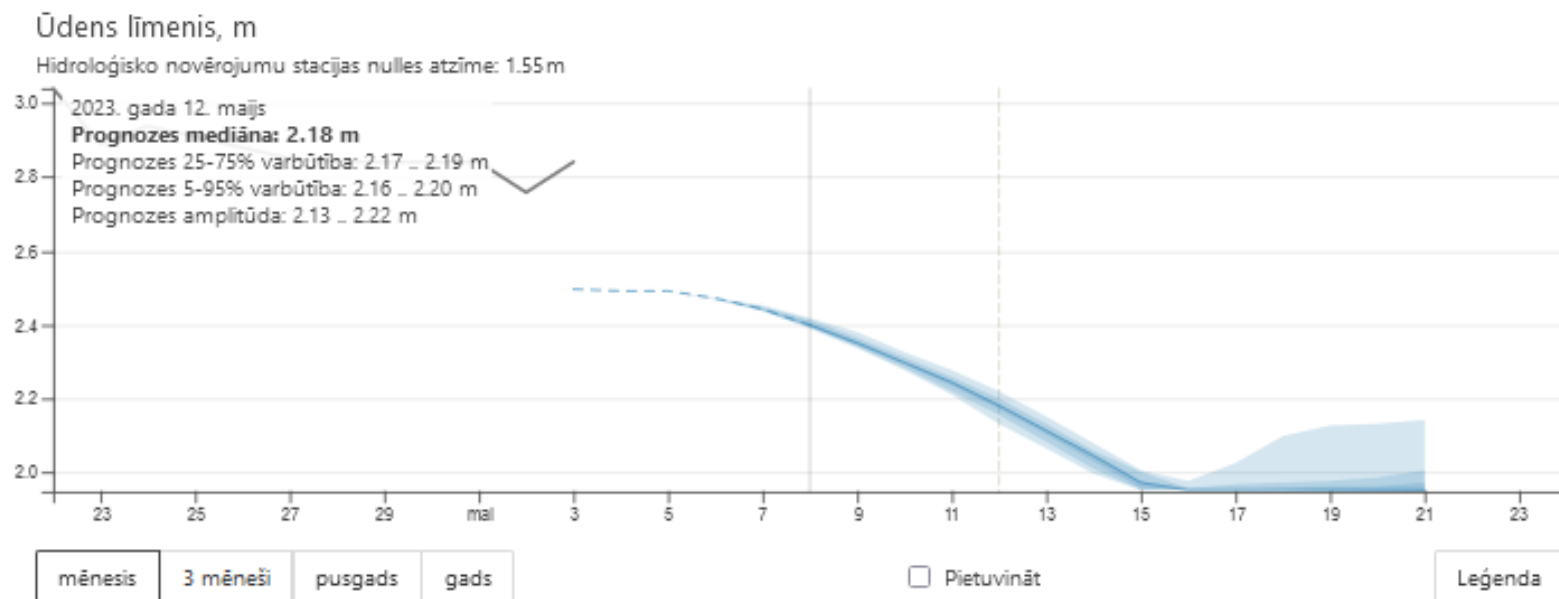
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Hidroloģiskie novērojumi un prognozes (LVĢMC)

- Ikdienas hidroloģiskā monitoringa novērojumu dati 6 reizes dienā;
- Hidroloģiskās prognozes;
- Ikdienas hidroloģiskie aprēķini pārējām upēm;



Hidroloģiskie novērojumi un prognozes



Karšu pārlūks

- Ūdens dziļuma kartes;
- Informācija par ūdens līmeni;
- Dažādas fona kartes;
- Iespējams arī satelīta dati;
- Integrēsim plūdu prognožu sistēmu esošajos karšu pārlūkos:
 - <https://karte.jelgava.lv/interactive-maps/flood-map>
 - hidro.meteo.lv



Agrīnās brīdināšanas sistēma

- No Jelgavas pilsētas uz reģionālo līmeni;
- Definēti robežlielumi atbilstošam apdraudējuma līmenim;
- Karšu sistēma saistīta ar agrīnās brīdināšanas moduli;
- Apziņošanas SMS veidā.



