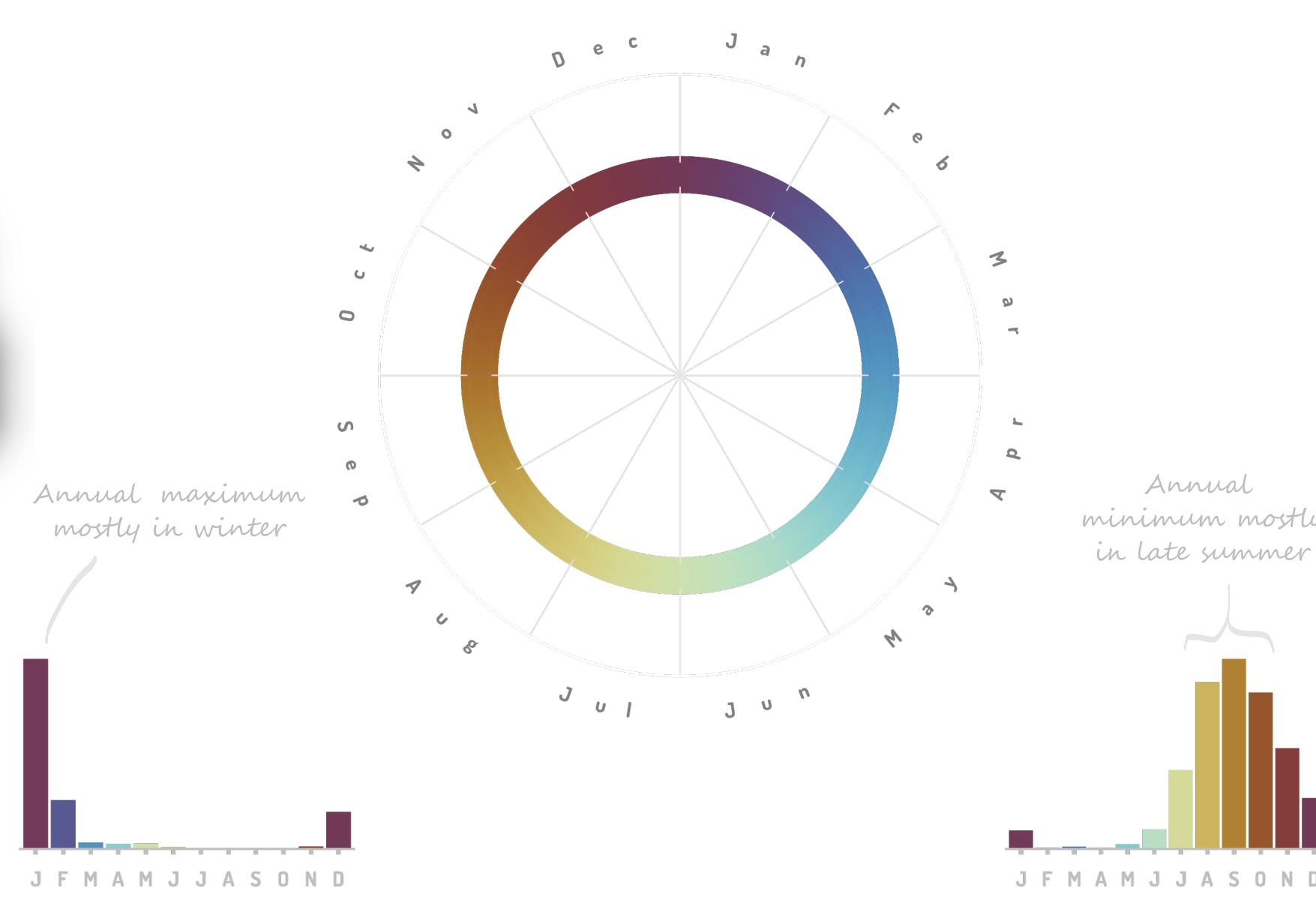
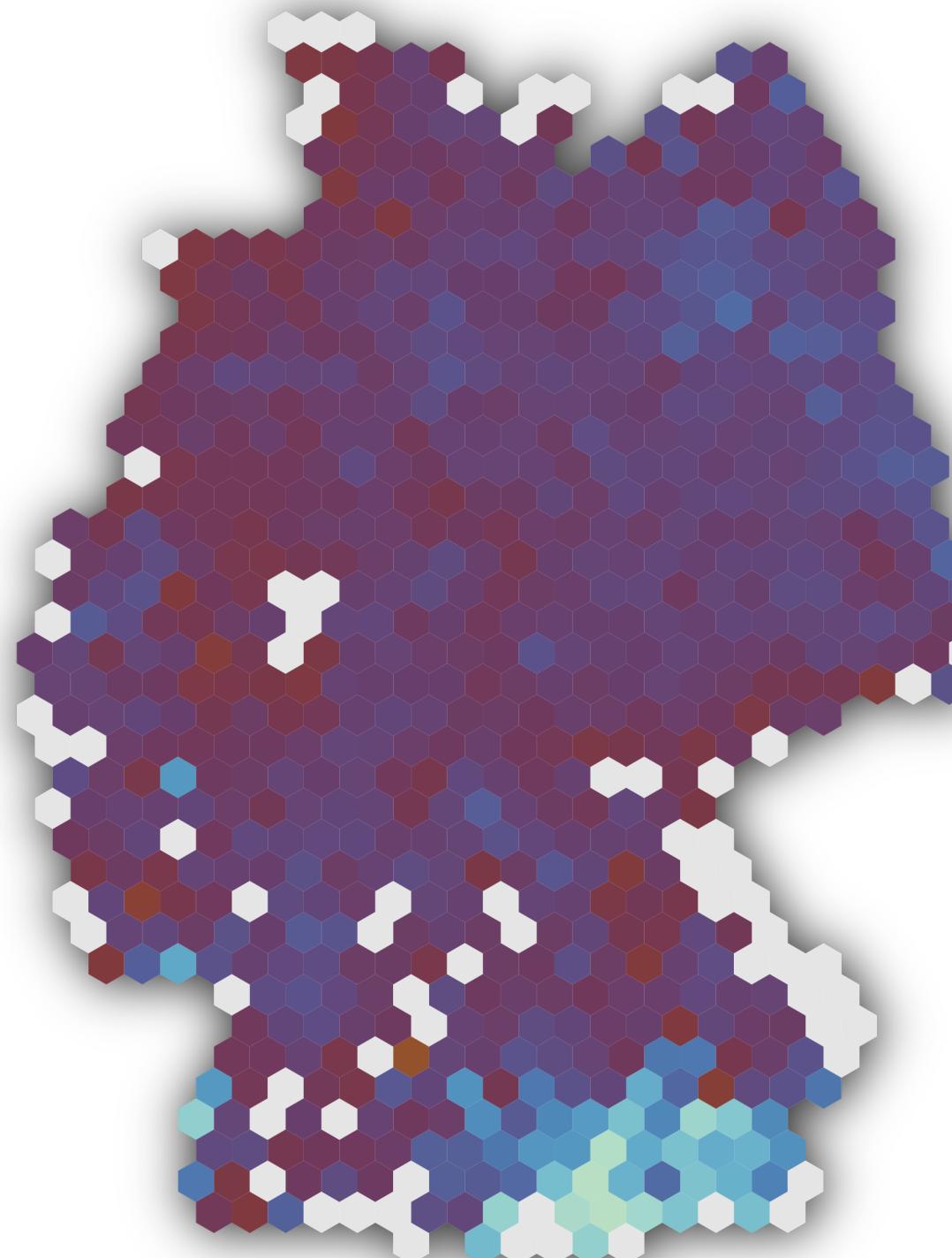


Groundwater in Germany

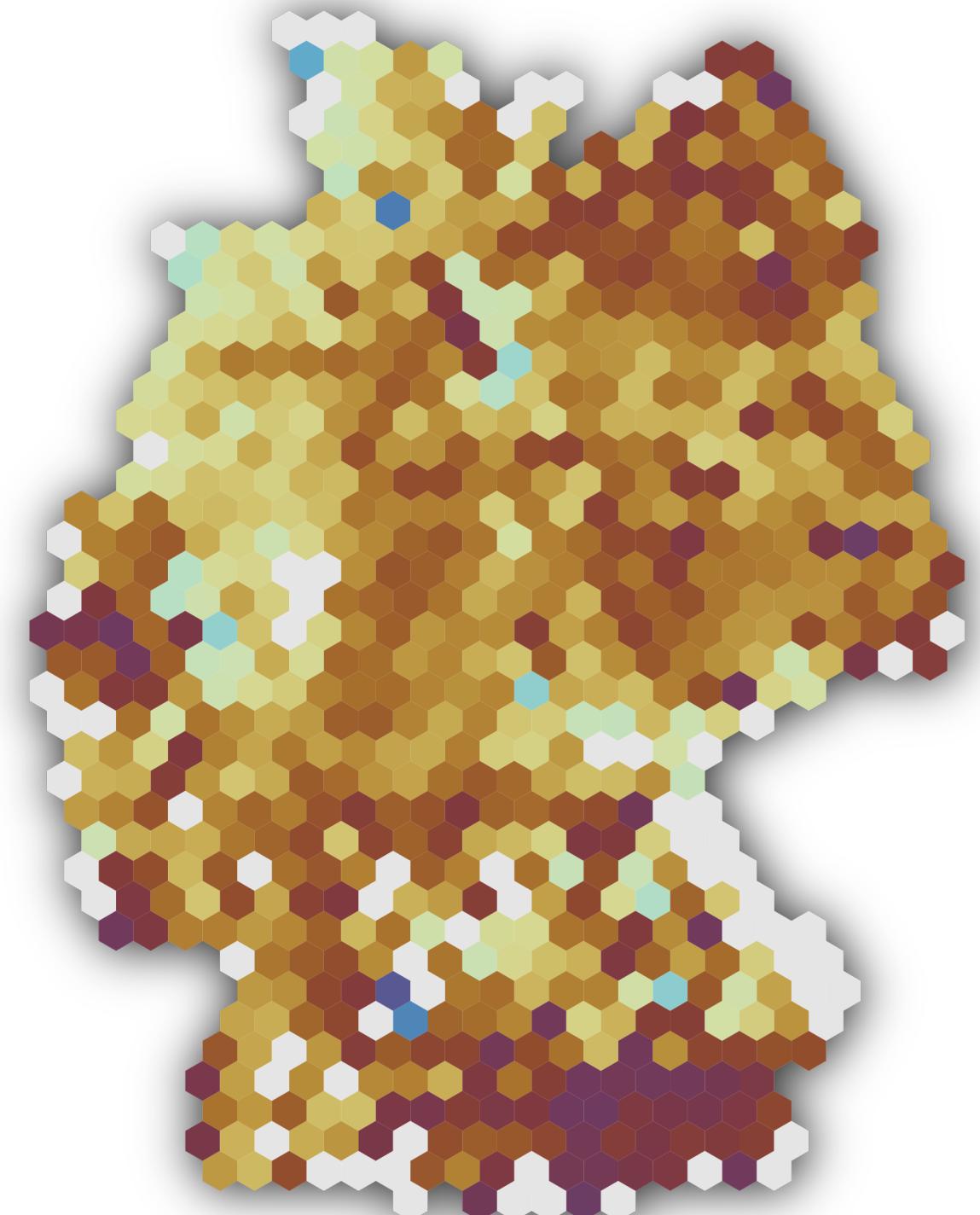
Annual **recharge** and **discharge** periods calculated as averages per hexagon for the reference period from **1991** and **2020**.

The data is based on timeseries from in total 17151 observation wells distributed heterogeneously across Germany.

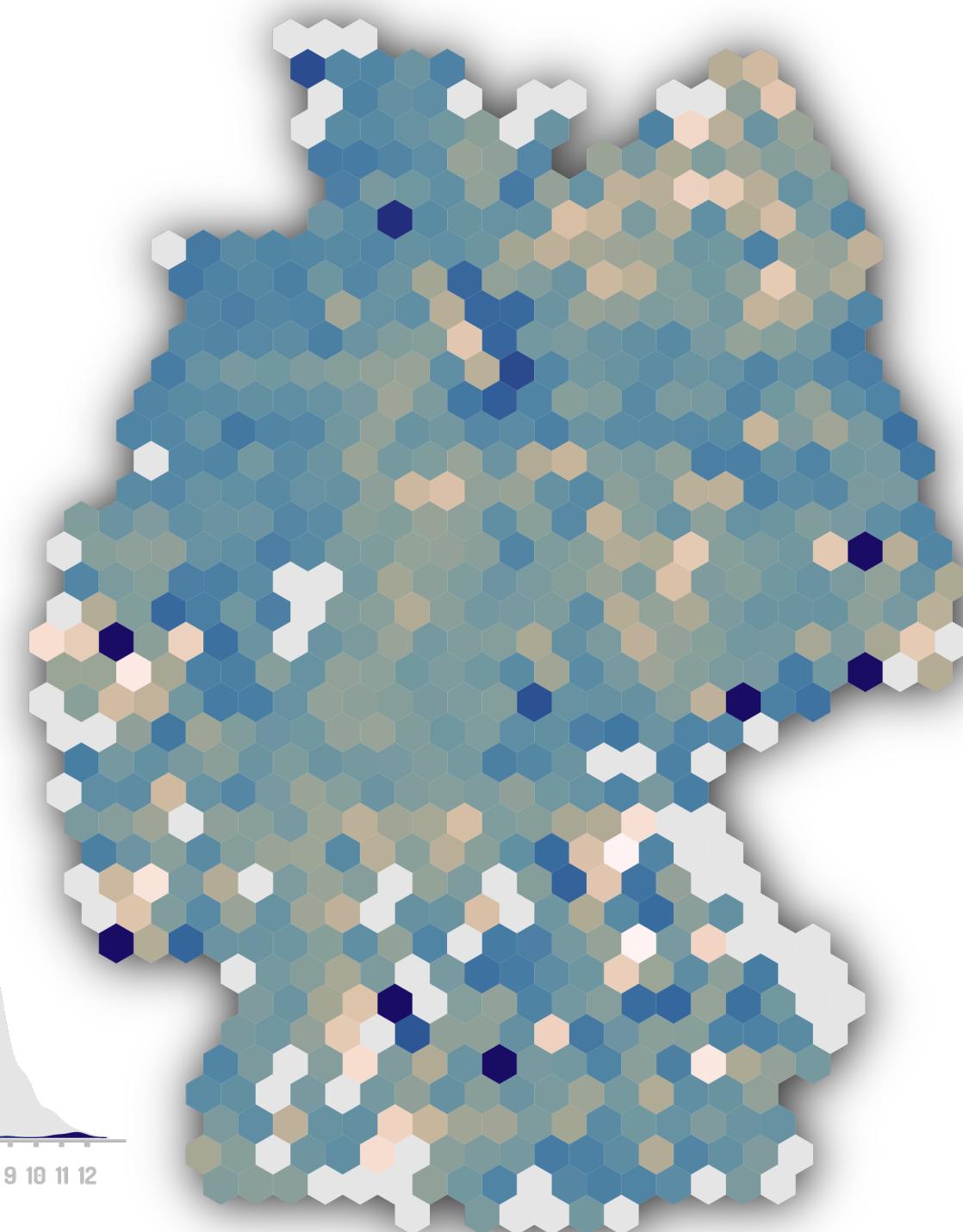
When does the **recharge** period end?
(annual maximum of groundwater level)



When does the **discharge** period end?
(annual minimum of groundwater level)



How long is the annual **recharge** period in months?



... same applies for the minima. This means that the recharge and discharge periods are shifted by a few months.

Annual groundwater level maxima in (North-)East Germany and especially close to the Alps occur later in the year compared to the North-West, ...

Distribution of respective variable across all hexagons

Annual recharge period around 4 months shorter than the discharge period

0 1 2 3 4 5 6 7 8 9 10 11 12

0

1

2

3

4

5

6

7

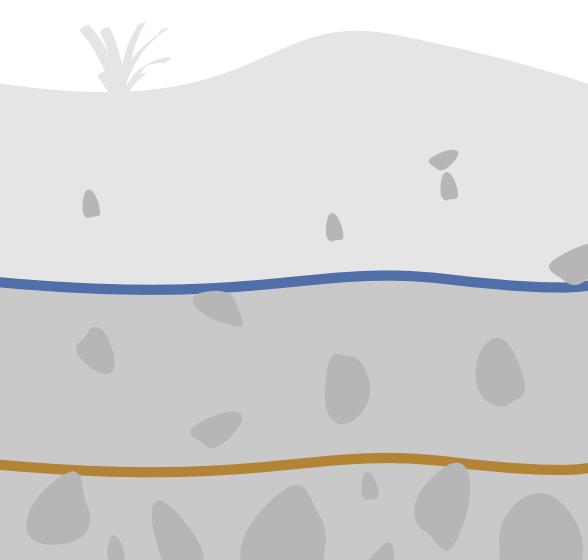
8

9

10

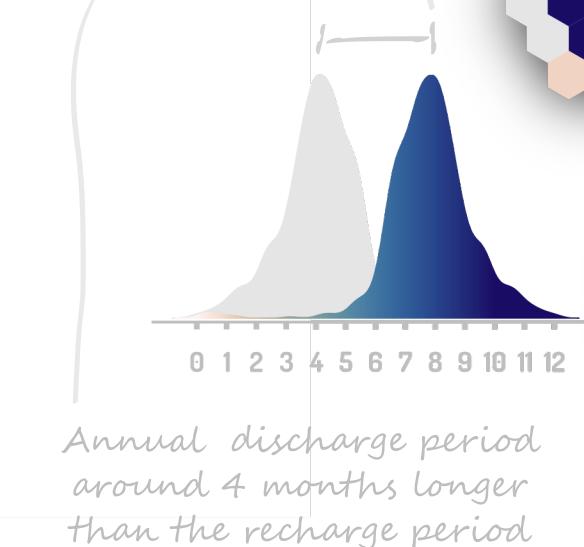
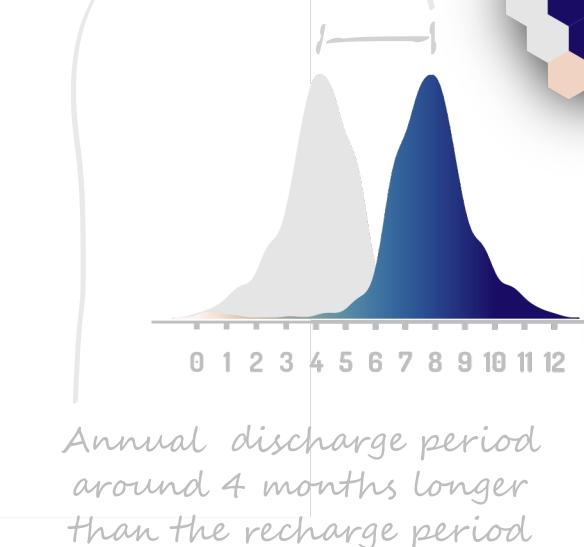
of wells per hexagon

Annual maximum groundwater level (end of recharge period)



Annual groundwater fluctuations

Annual discharge period around 4 months longer than the recharge period



Annual discharge period around 4 months longer than the recharge period

