

Umweltbeobachtung: Hydrosphäre

(Schad-)Stoffdispersion im Wasserkreislauf



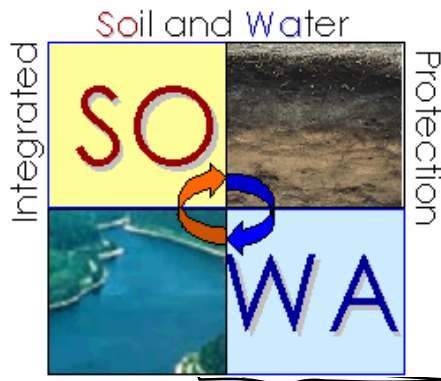
Peter Grathwohl

grathwohl@uni-tuebingen.de

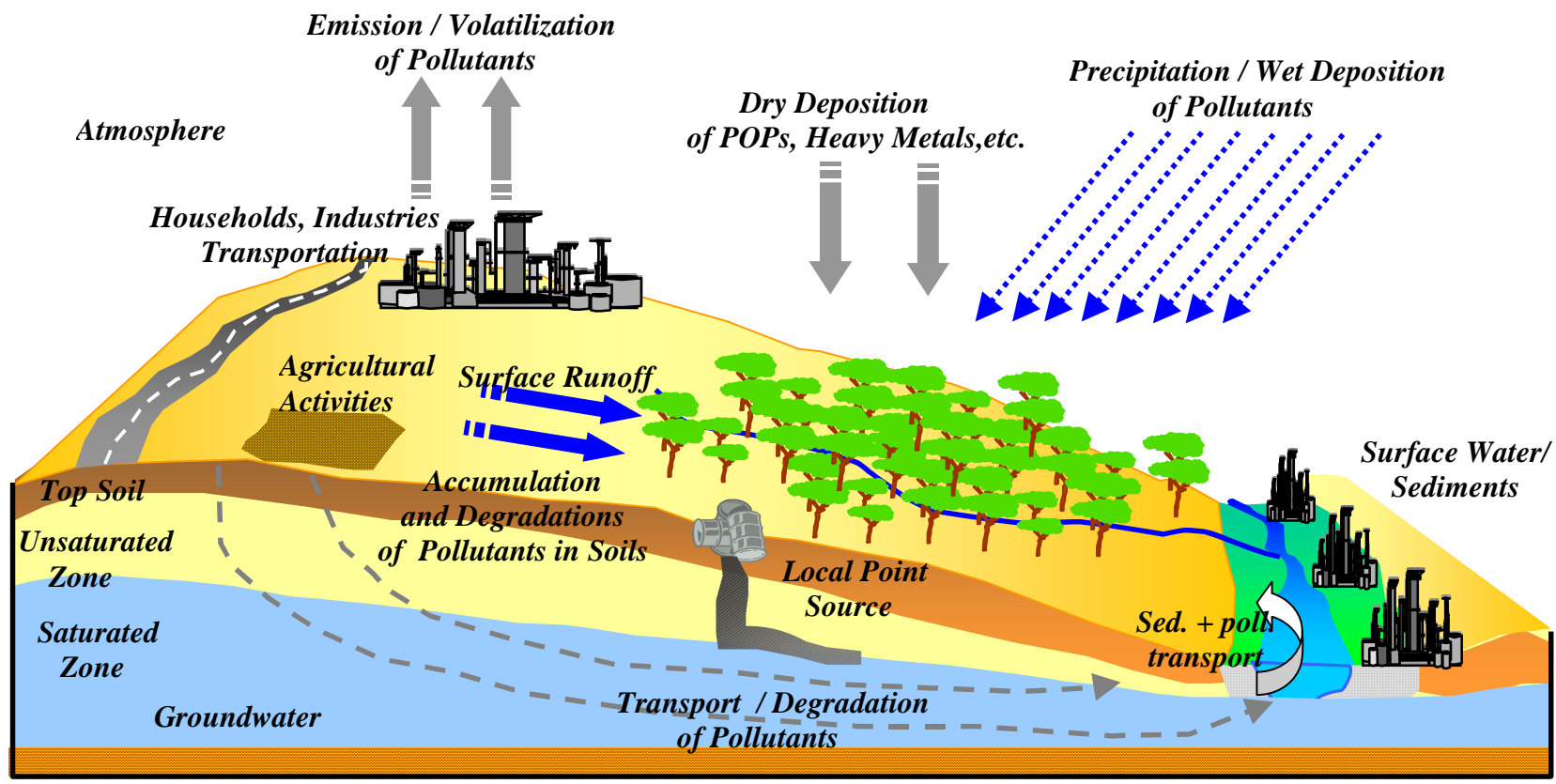
Universität Tübingen
Geowissenschaftliches Institut

Zentrum für Angewandte
Geowissenschaften





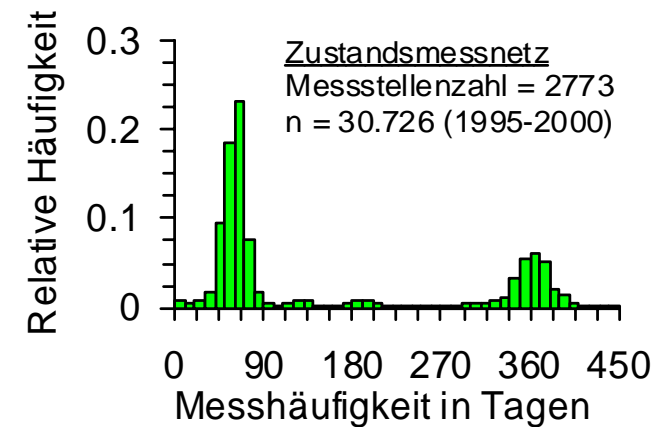
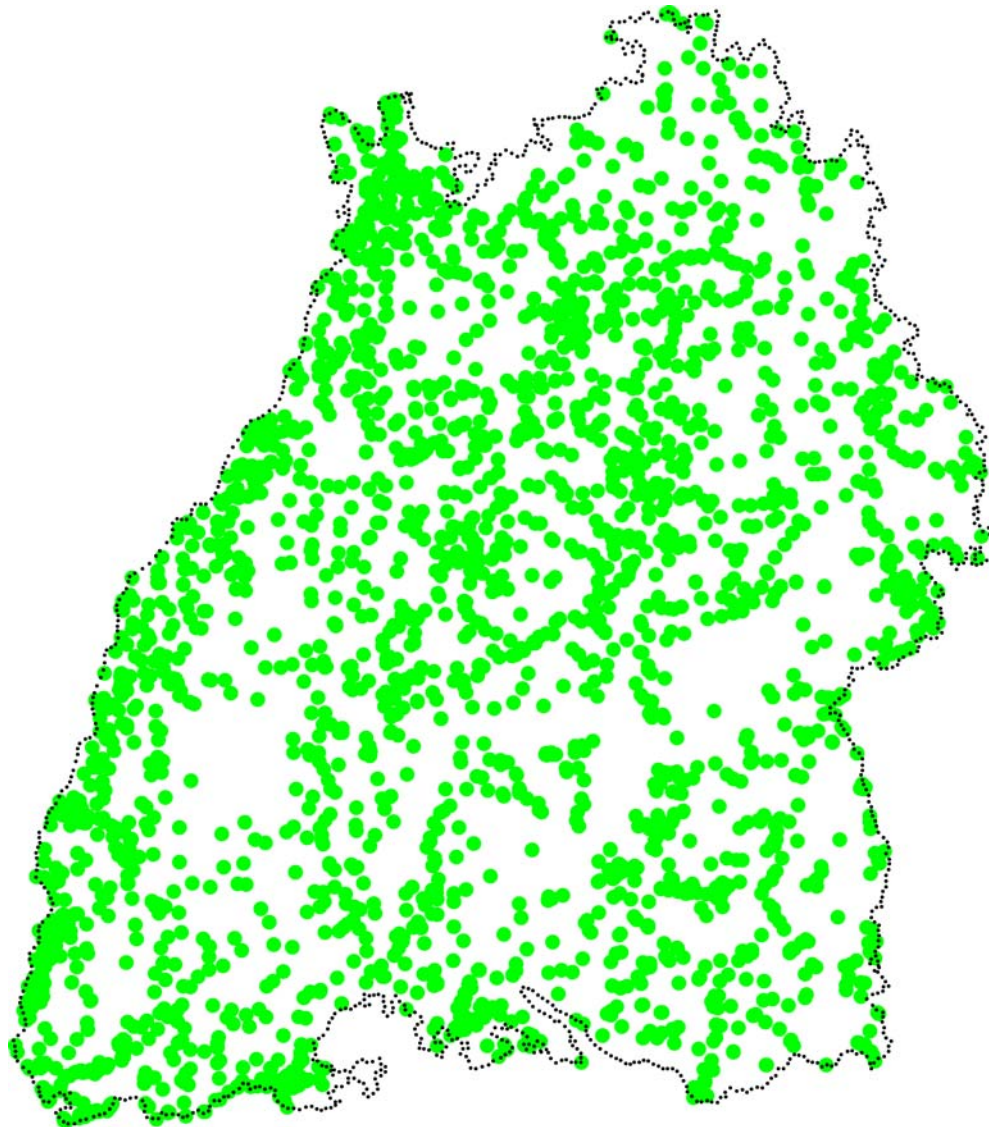
Integrating Measure: "SoWa"



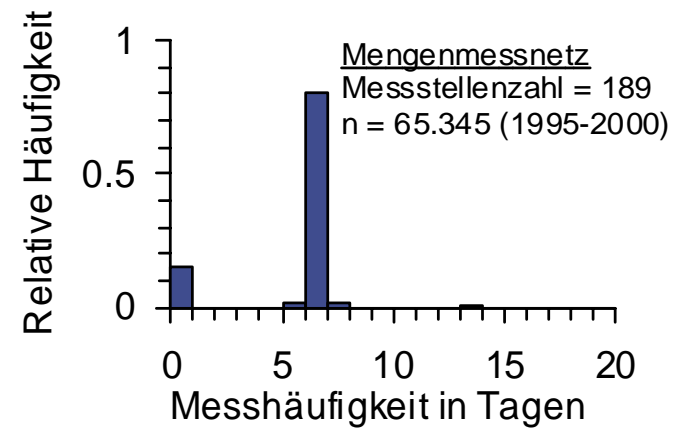
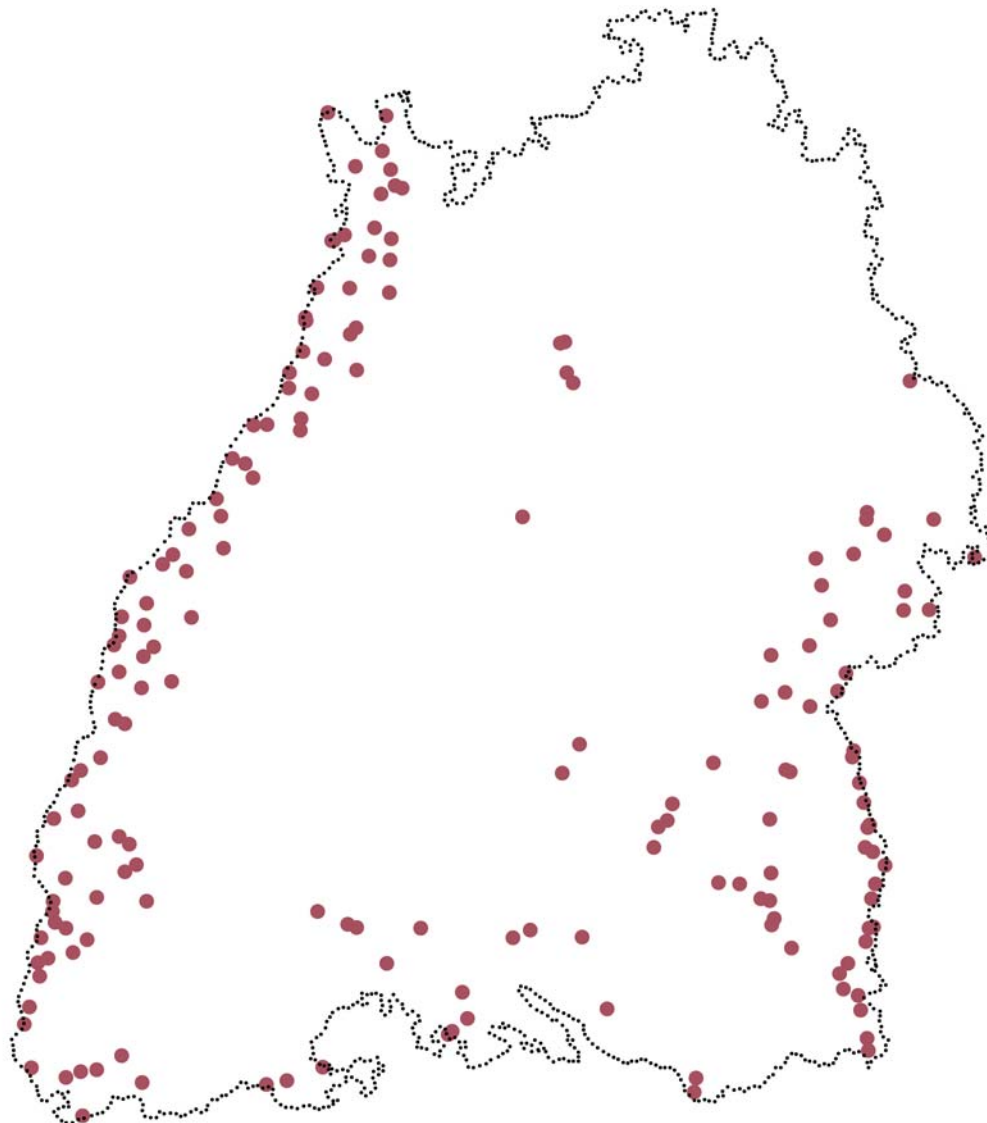
**Persistent pollutants in the water cycle: Storage and mobility.
Memory from 10 years to geological time scales!**



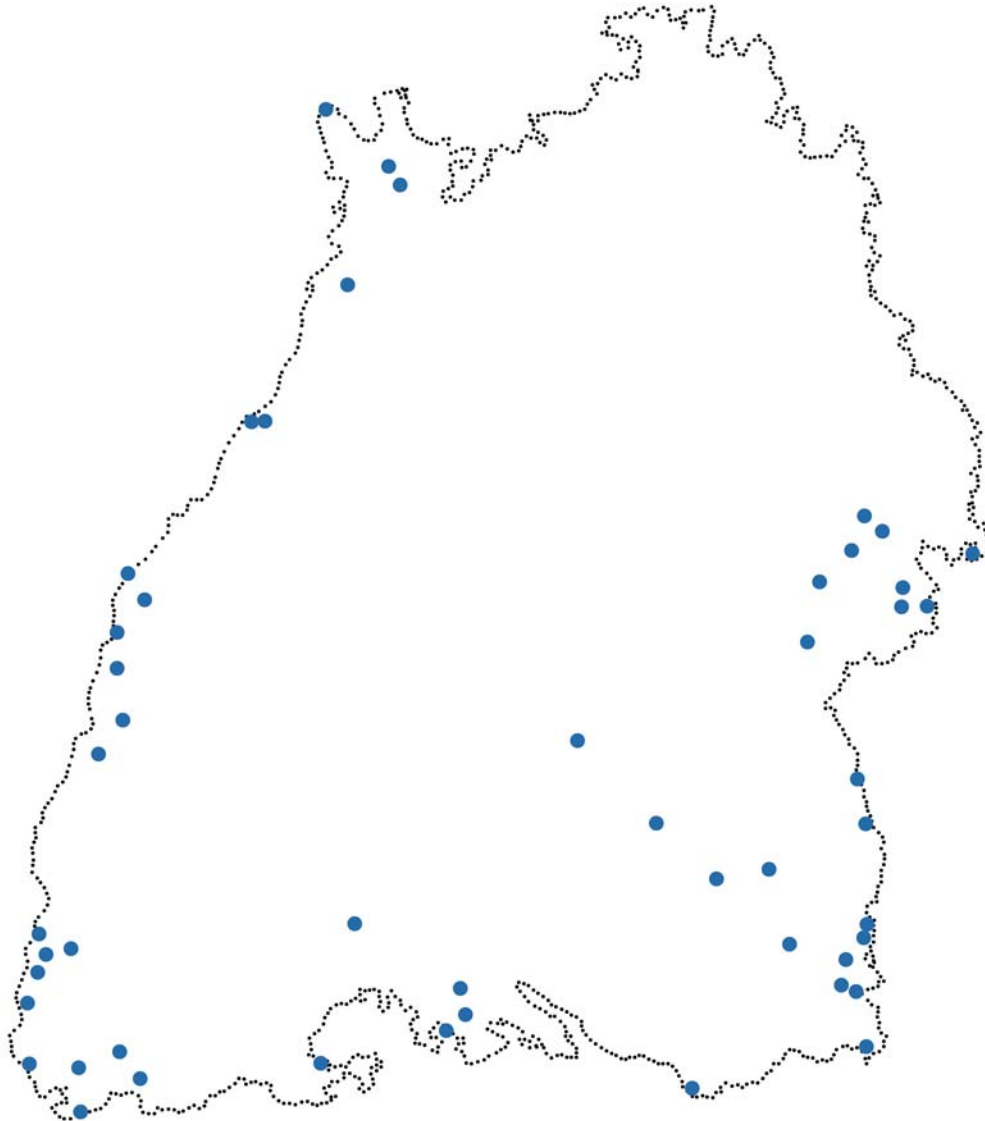
Jahresdatenkatalog Grundwasser – LfU Baden-Württemberg (2000) - Zustandsmessnetz -



Jahresdatenkatolog Grundwasser – LfU Baden-Württemberg (2000) - Mengenmessnetz -



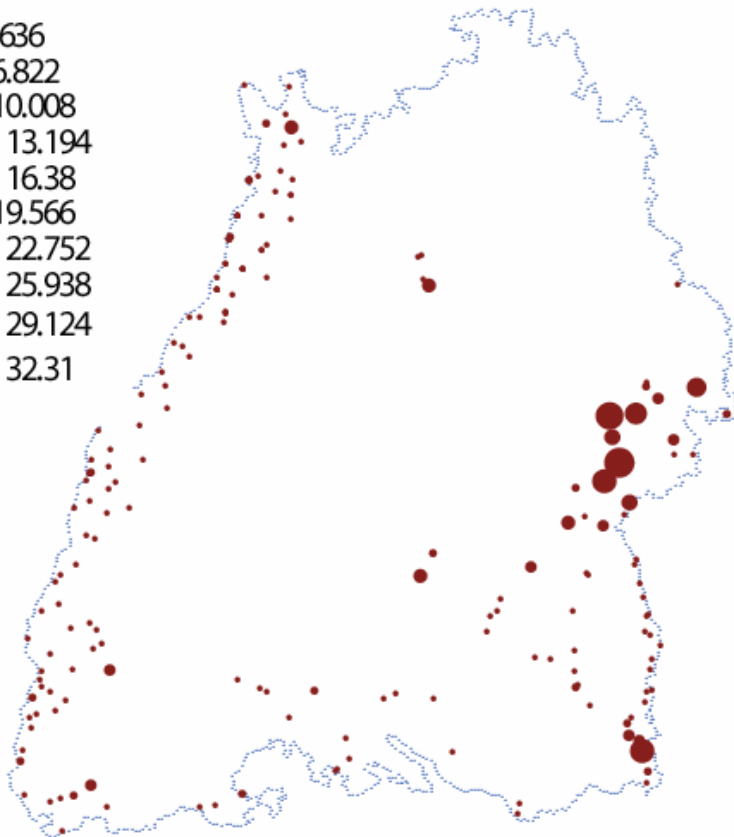
Jahresdatenkatalog Grundwasser – LfU Baden-Württemberg (2000) - Zeitgleiche Messungen im Mengen- und Zustandsmessnetz -



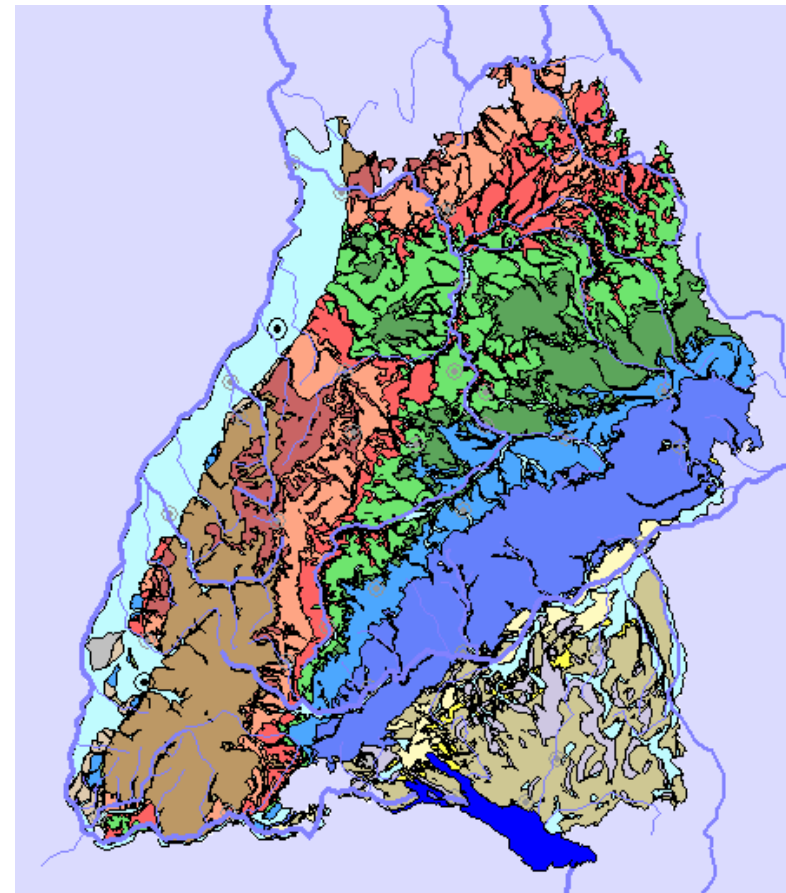
Grundwassermessnetz der LfU Baden- Württemberg

Amplituden

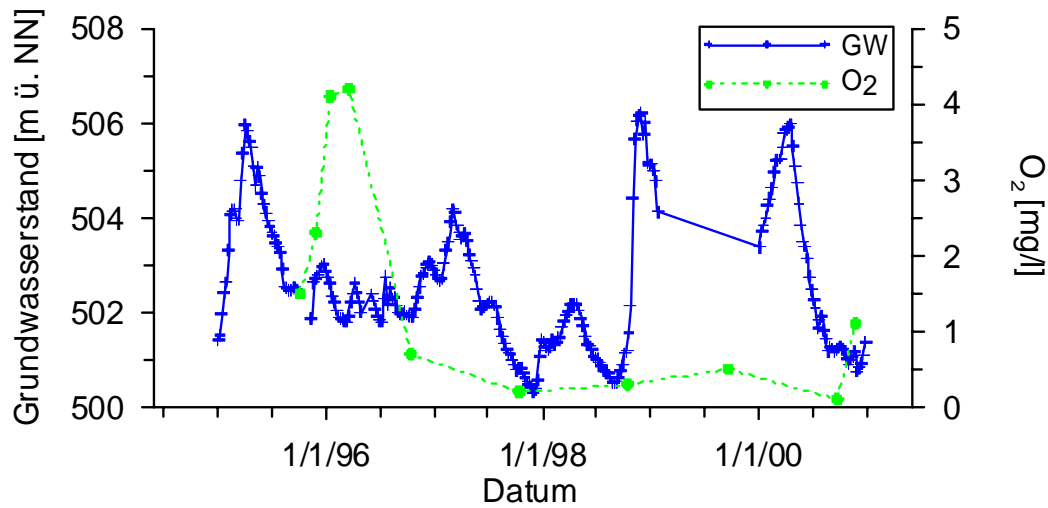
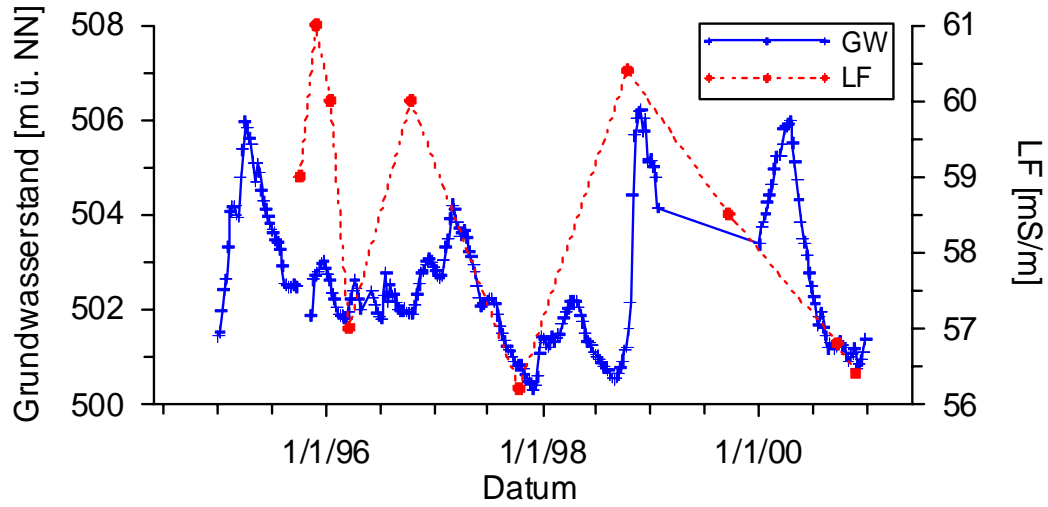
- 0.45 - 3.636
- 3.636 - 6.822
- 6.822 - 10.008
- 10.008 - 13.194
- 13.194 - 16.38
- 16.38 - 19.566
- 19.566 - 22.752
- 22.752 - 25.938
- 25.938 - 29.124
- 29.124 - 32.31



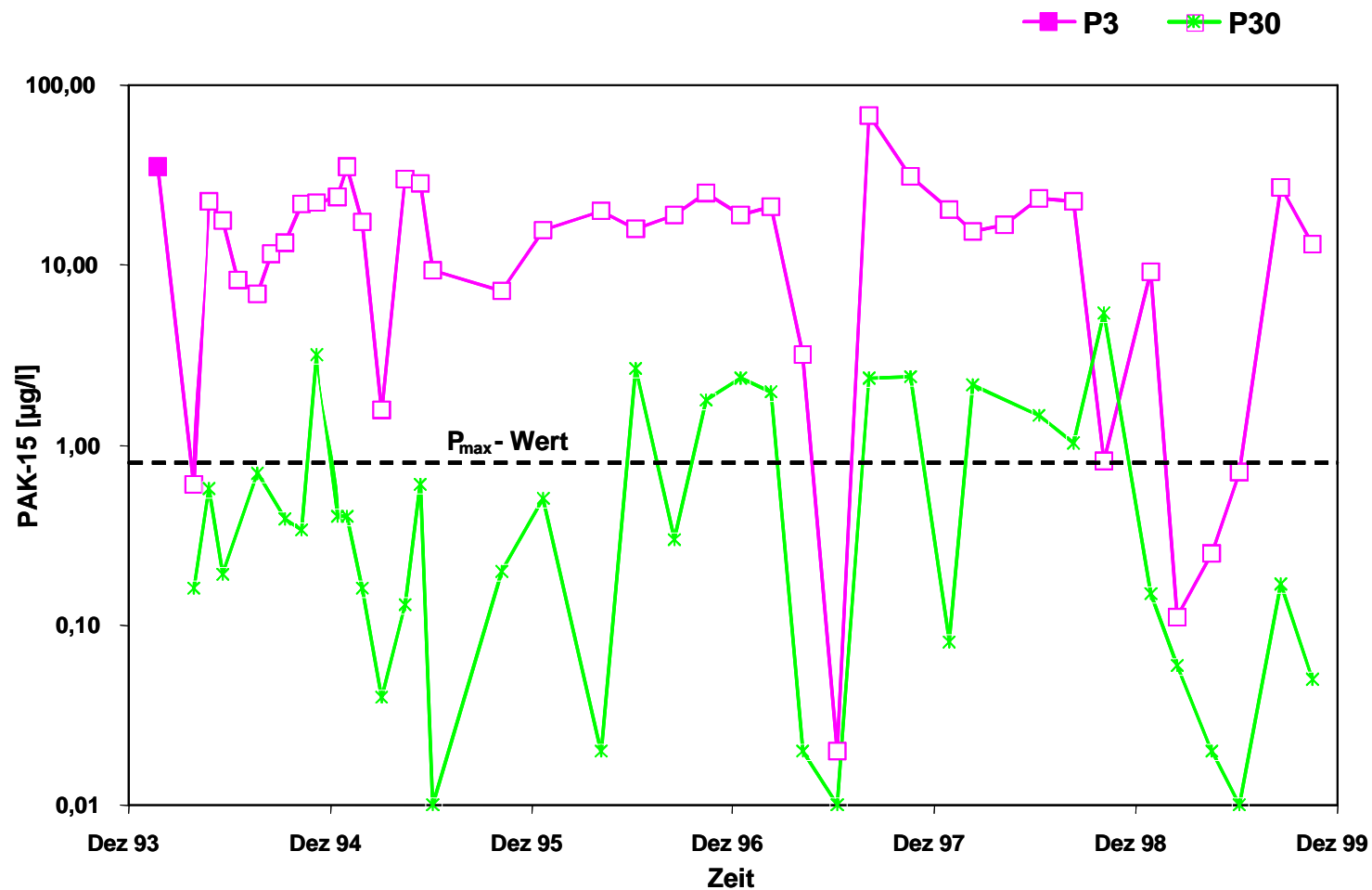
Hydrogeologische Einheiten



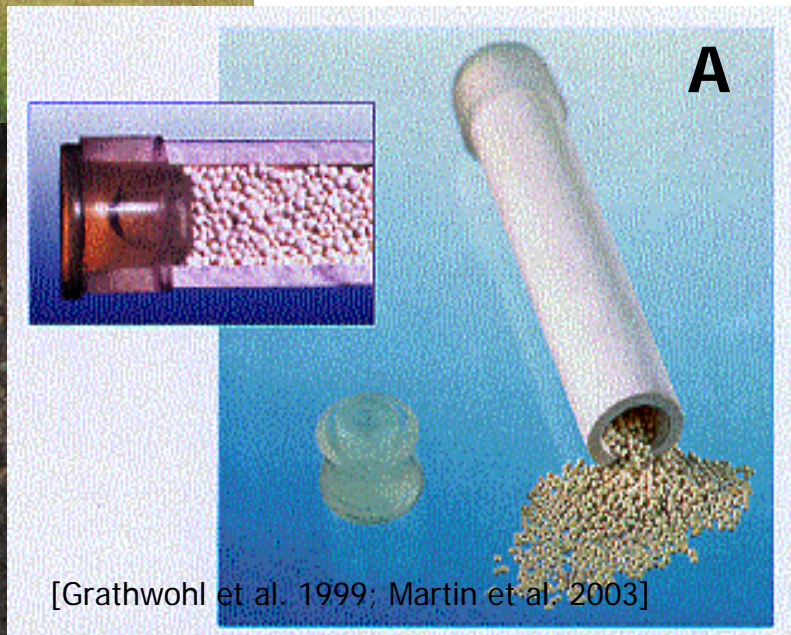
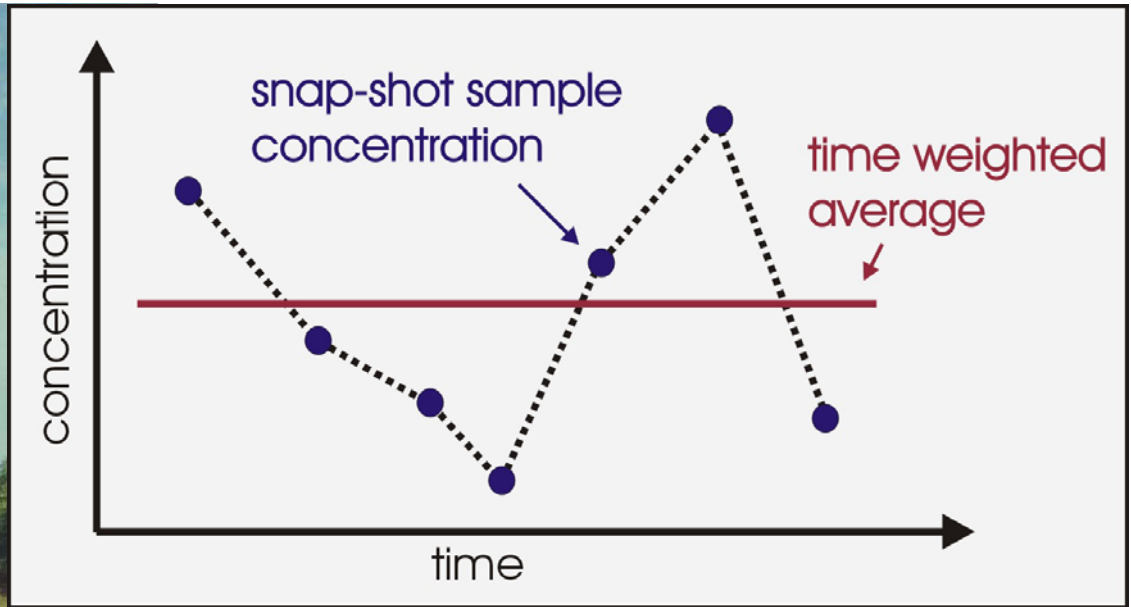
SEEGARTENHOF, KOENIGSBRONN



Zeitliche Schwankung der PAK-15 Konzentration - Standort Gaswerk Heidenheim



Time + site integrated Monitoring



[Grathwohl et al. 1999; Martin et al. 2003]

