



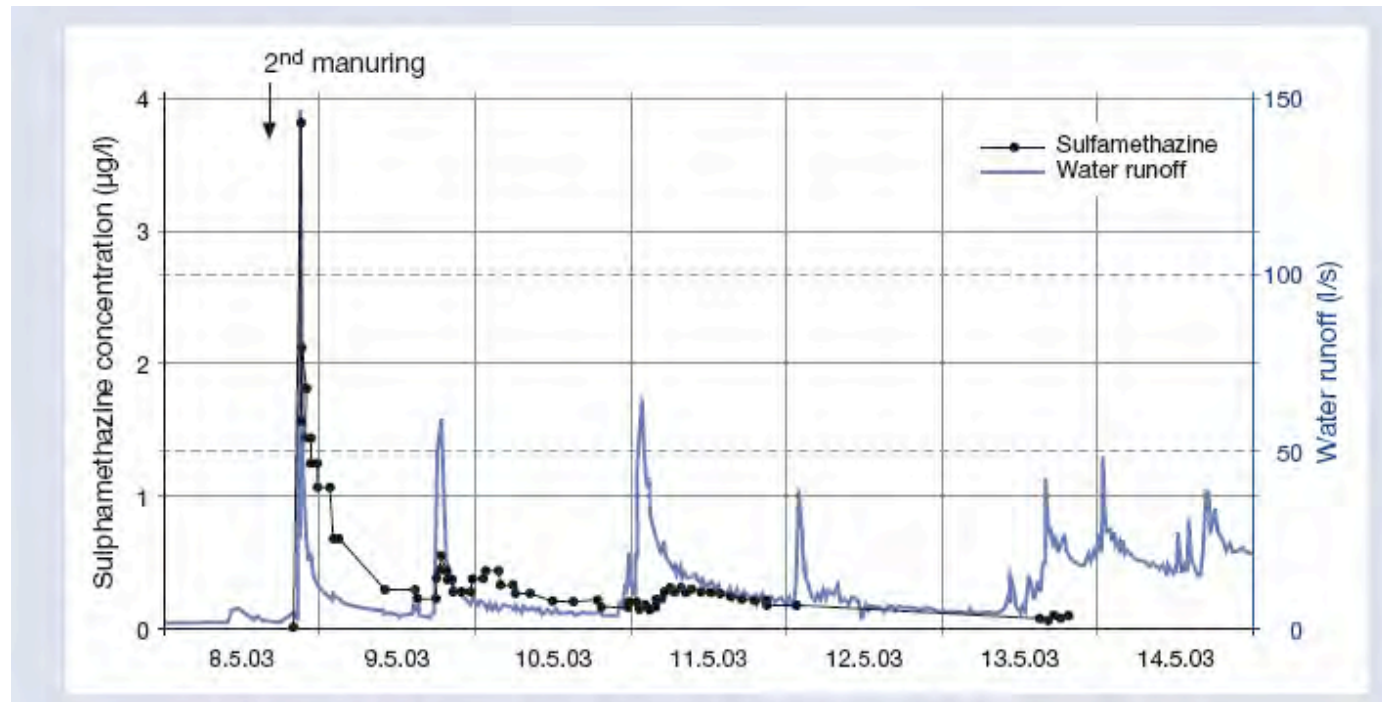
A win-win collaboration with the drinking water suppliers in Lausanne

Nathalie Chèvre, Unil





Veterinary compounds are present in surface waters and groundwaters in Switzerland



UNIL | Université de Lausanne

Faculté des géosciences
et de l'environnement

Stoob et al. Eawag News. 2005

Which compounds should be surveyed in raw water?

Which analytical methods should be developed?



Final product: priority list of compounds to be surveyed

Frequency of use	Intensive rearing	Pasture animal
	RI soil	RI soil
>50	1. Trimethoprim (5495) 2. Sulfadiazine (4396) 3. Oxytetracycline (284) 4. Pénéthamate (26)	1. Sulfadiazine (10) 1. Trimethoprim (10) 1. Oxytetracycline (10) 2. Pénéthamate (5)
Frequency of use	Water scenarios	
	RI water	RI aquatic organisms
>50	1. Sulfadiazine (115) 2. Trimethoprim (30) 3. Oxytetracycline (15)	1. Trimethoprim (36) 2. Sulfadiazine (19)



A **win-win** collaboration with the drinking water suppliers in Lausanne

- For Lausanne: **priority list**
- For Unil: **3 students that had the opportunity to work on a real case study**



A **win-win** collaboration with the drinking water suppliers in Lausanne

What is important for the success of such a collaboration:

- intensive interactions
- building of confidence
- open communication

