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# Diversity of the microbiome of the tick species *Ixodes ricinus* in relation to land use and soil properties – Preliminary results

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## Résumé

*Ixodes ricinus* is the most widespread tick species in Europe and vector of zoonotic pathogens. Most studies focus on host–pathogen interactions, but 99% of the tick life cycle occurs off-host, where ticks interact with soil microbiota. We investigate how soil properties and land-use intensity shape soil microbial communities and how these, in turn, influence the *I. ricinus* microbiome using samples collected along a land-use gradient Germany. This presentation will focus on preliminary results from the current project focusing on the soil parameters along the land use gradient.

**Mots-Clés:** ticks, soil, microbiome

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