

Talk or poster presentation?	Talk
Language of the presentation	English
Title of the presentation (limited to 150 characters including spaces)	A Systematic Review of the Effects of Roadside Vegetation Management on Biodiversity
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Abstract (limited to 150 words)	With appropriate management, roadsides can harbour high biodiversity values. However, current recommendations for roadside management to conserve biodiversity are largely based on research on non-roadside grassland habitats. Therefore, we conducted a systematic review of how disturbance-based maintenance of roadsides affects plant and invertebrate diversity. Fifty four studies met inclusion criteria and were summarised in a narrative synthesis. There were too few invertebrate studies to support any formal analysis, but we were able to analyse quantitatively the impacts of mowing practices on plant diversity. Species richness of plants was higher in roadsides mown with hay removal than in unmown roadsides, and both species richness and Shannon diversity were positively affected by mowing twice instead of once per year. This systematic review provides some guidance for evidence-based management of road networks for biodiversity conservation. It also identifies large knowledge gaps concerning roadside management effects on invertebrates.
Required support for French/English translation (for talks)	No