



Geography and AMR: some ideas

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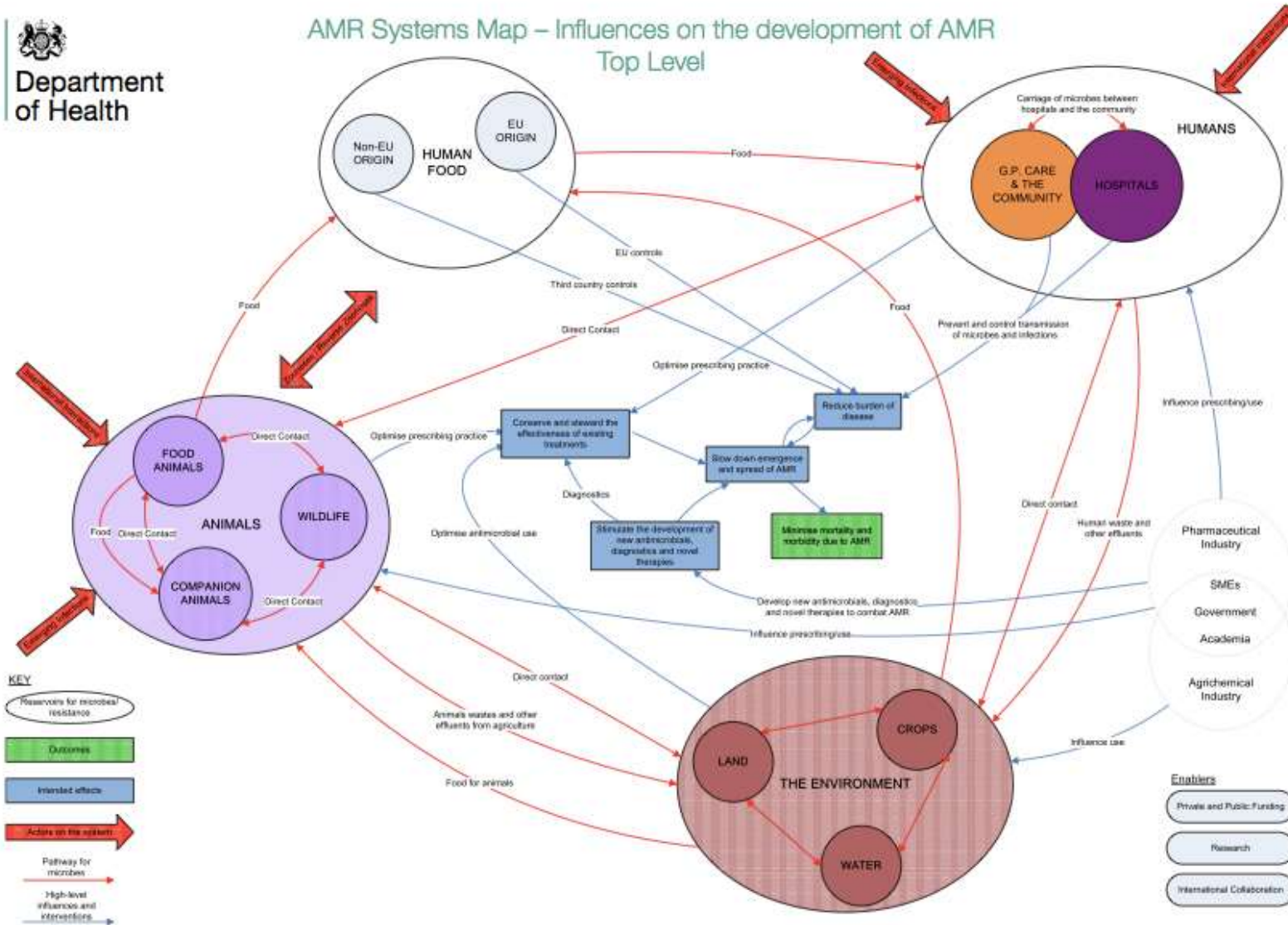
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AMR Systems Map – Influences on the development of AMR Top Level



1. Entangled subjectivities

- “We **can’t** just stop, if it’s going to lead to a falling off in chicken health and also obviously in the business margins.”
(Poultry farmer)
- “For the stubborn farmers that just want certain antibiotics, I think it’s good for supermarkets and integrators, and/or whoever they supply their chicken to, to put pressure on them in that way. I think [name of processor] have a blanket ‘no enrofloxacin use’, so that makes our lives easier because, you know, I can say, ‘Well, ok, you might want Baytril, but if I put your birds on Baytril you’re not going to be able to sell them to [processor], and you won’t get any money for them. So that makes it easier as well. So yeah I think it’s a group response.”
(Poultry vet)

(Source: DEFRA report: Buller, Hinchliffe et al 2015 **Systematic review and social research to further understanding of current practice in the context of using antimicrobials in livestock farming and to inform appropriate interventions to reduce antimicrobial resistance within the livestock sector**)

- The *Modern Business* approach – AM use under control (hygiene, herd management, biosecurity...)
- The *Interventionist* - farmer education and a veterinary-led change necessary.
- The *Autonomist/besieged* - over-zealous regulation or outside influence will lead to inappropriate restrictions and further erode farm viability.

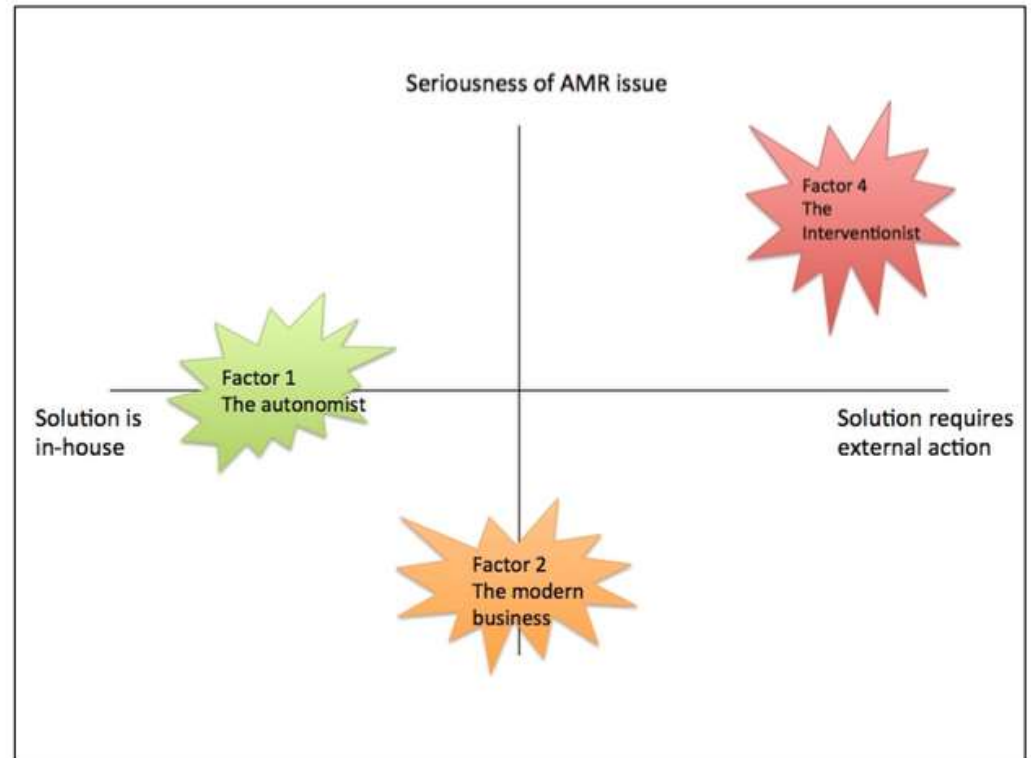


Figure 1: Conceptual space for three factors arranged according to the implications of antibiotic use in livestock and the source of ameliorative action

UK poultry sector under fire for controversial antibiotic use

08 Feb 2016 | Carina Perkins

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2. Entangled environments



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3. Entangled Knowledges

- Focus on social learning and spatial dynamics of change
- Alternative practices require mapping into knowledge

