

DISARM: A Community of Practice for Antibiotic Resistance Management via Multi-Actor Farm Health Plans

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Why?

What?

How?



Reduce antibiotic resistance by reducing the need for antibiotics in livestock farming by focussing on disease prevention, and prudent use of antibiotics

The threat ahead

- Current situation on AMR

- 25 000 EU and 700 000 casualties linked to AMR per year
- EUR 1.5 Billion costs of healthcare and productivity losses

- Projected situation without action by 2050

- Millions of casualties due to AMR per year globally
- More deaths from AMR than cancer
- Economic burden of AMR ~ Financial crisis in 2008

GLOBAL

A failure to address the problem of antibiotic resistance could result in:



10m
deaths
per year
by 2050

Costing
\$100
trillion
in economic output

Source: Antimicrobials working group

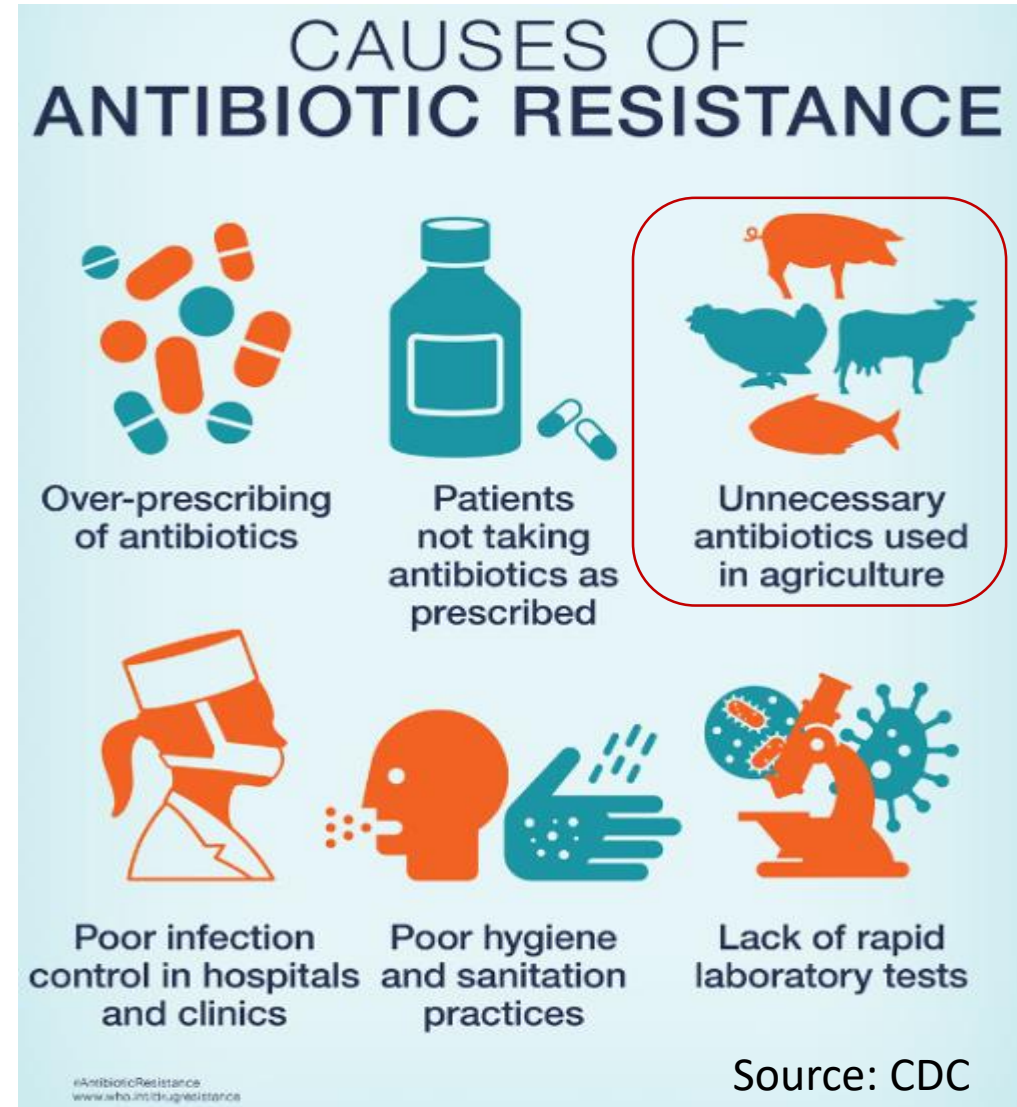


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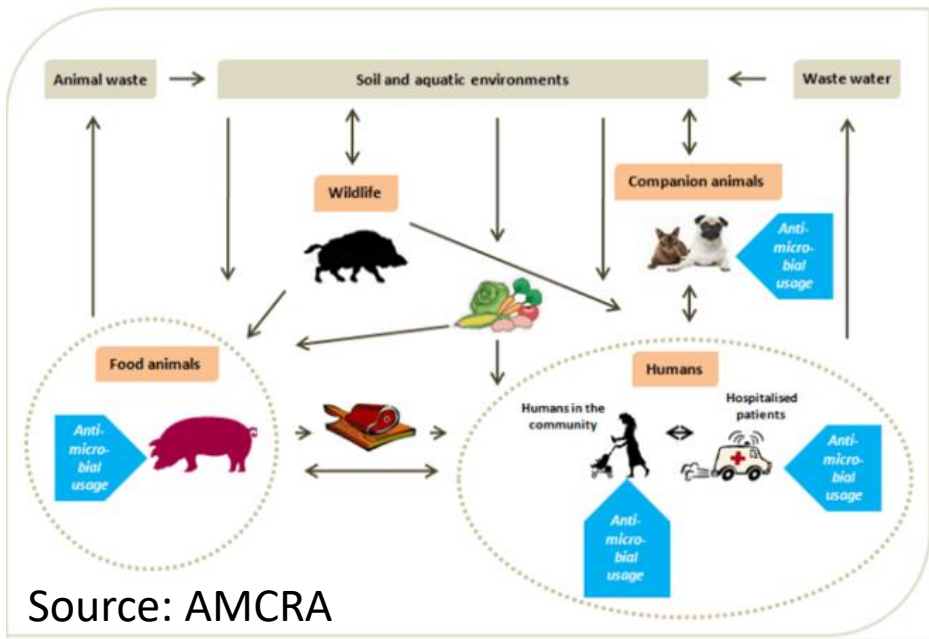


The stake of the livestock industry

- Mitigate the contribution to AMR from AB use in livestock
- Preserve AB efficacy for treating sick animals

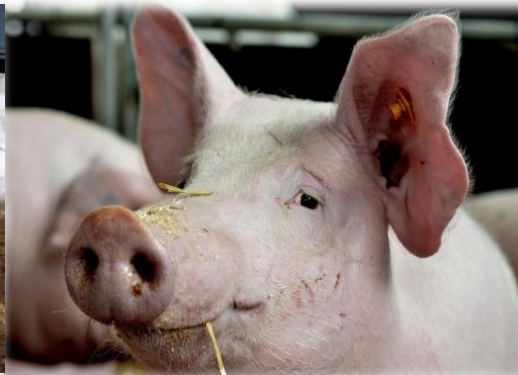


Exchange of resistance genes and bacteria between different reservoirs



DISARM

- Assist in transition to more prudent use of AB in livestock industry
 - Establishing a Community of Practice of:
 - farmers, vets, suppliers, processors, policy makers and researchers
 - To catalyse the exchange, co-creation and dissemination of research ready for practice, innovations and strategies for healthier animals and more prudent use of AB

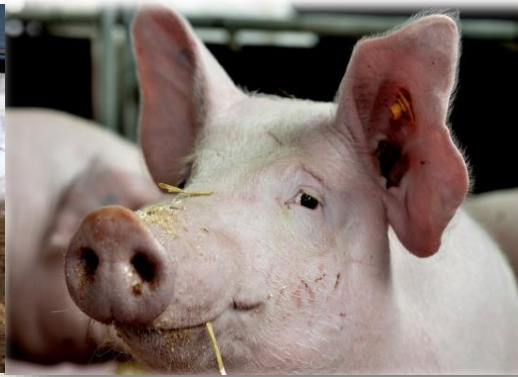


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- Minimizing the need for AB by focussing on:
 - Keeping animals healthy
 - Disease prevention & biosecurity
 - Alternative treatment options
 - Targeted use of AB

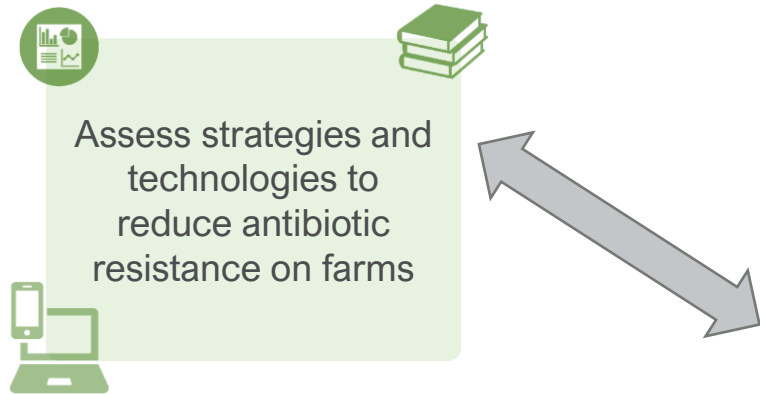


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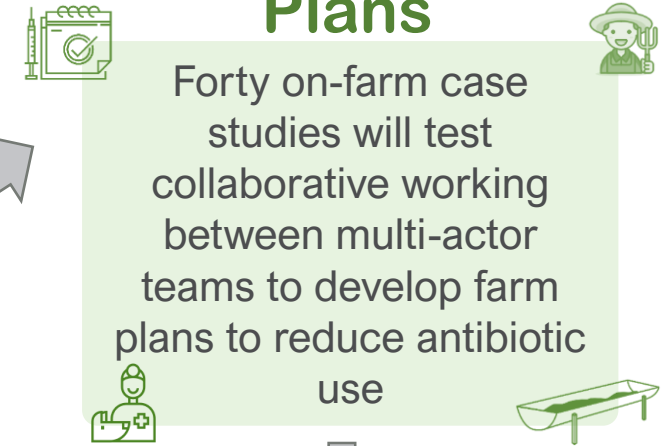
State of the Art



Community of Practice



Multi-Actor Farm Health Plans



Strategic communication, dissemination and exploitation of results



Best Practice Abstracts



Videos



Cross-border exchange



Best Practice Guides



Web and Social Media content



Events and Workshops



Policy and Research Reports

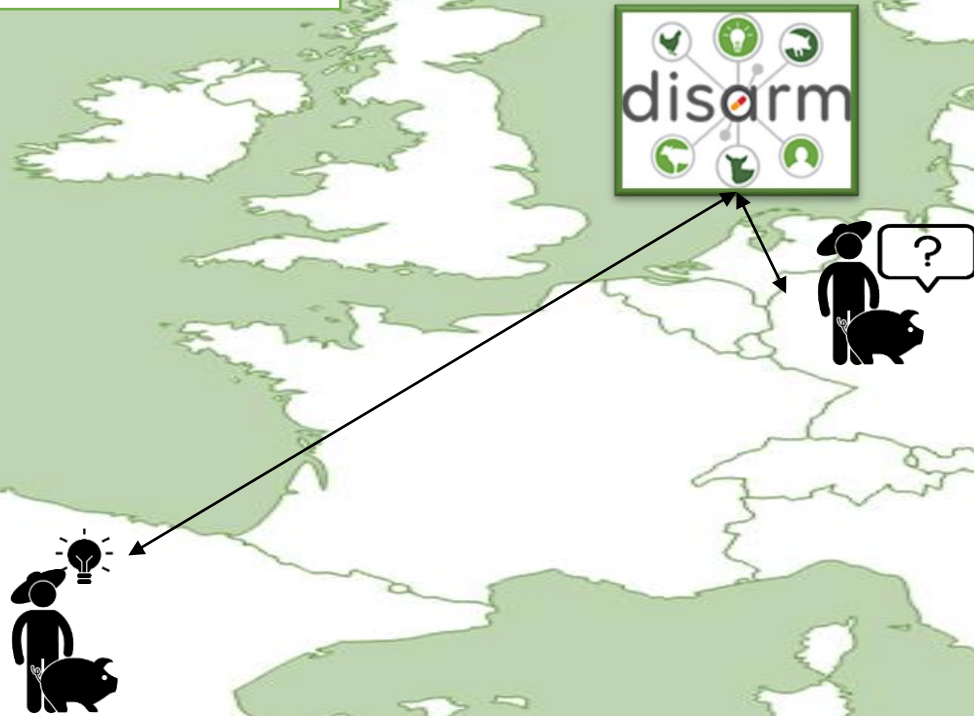


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DISARM

Knowledge exchange and
knowledge co-creation

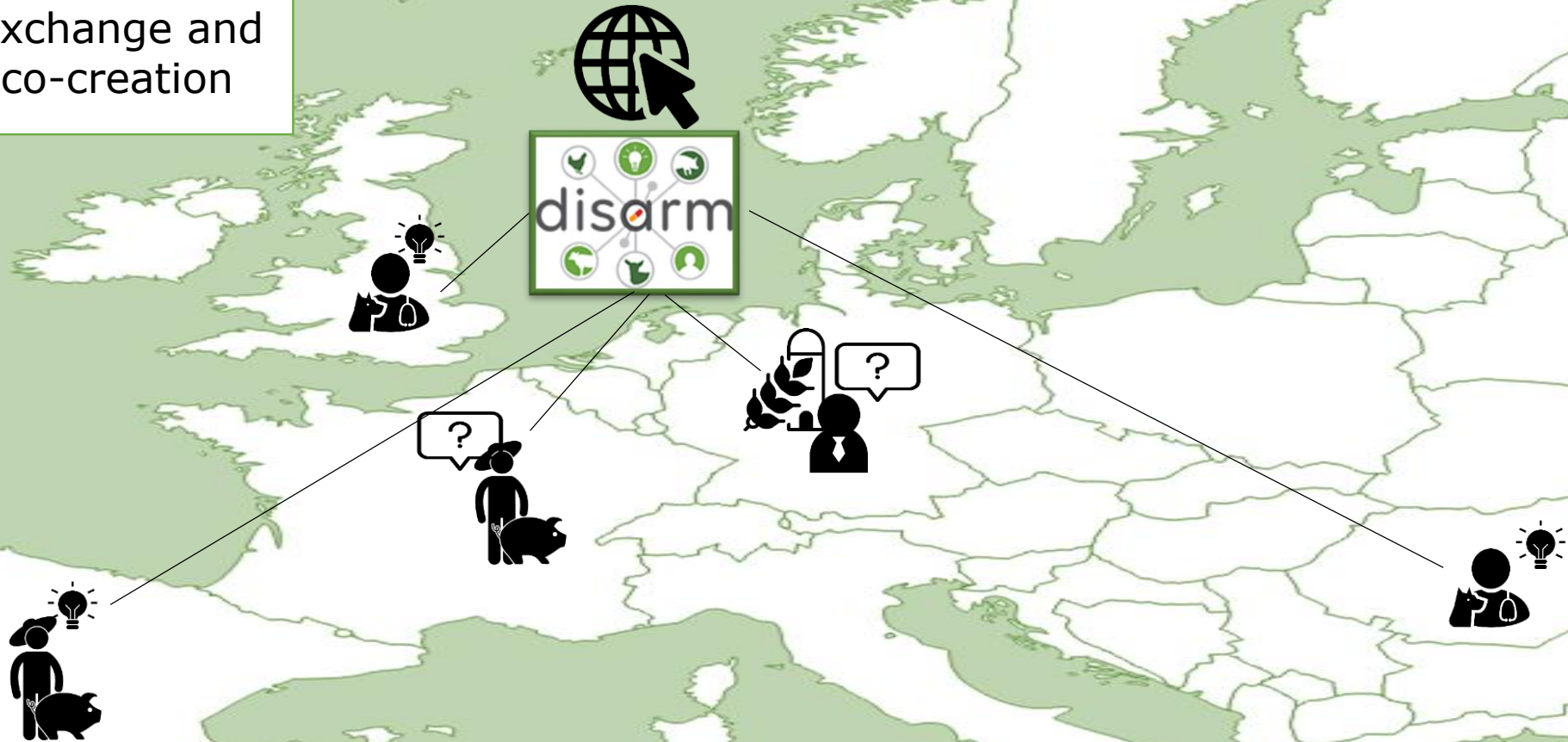


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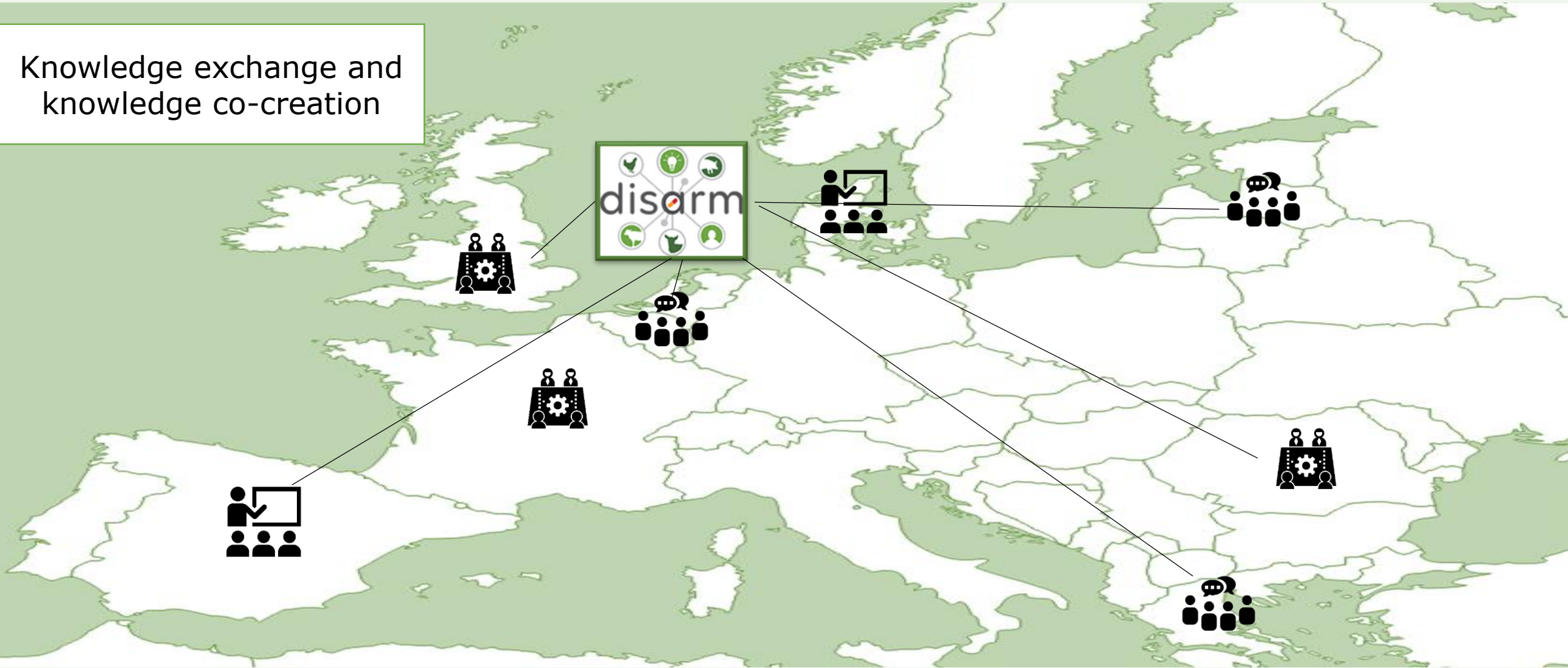


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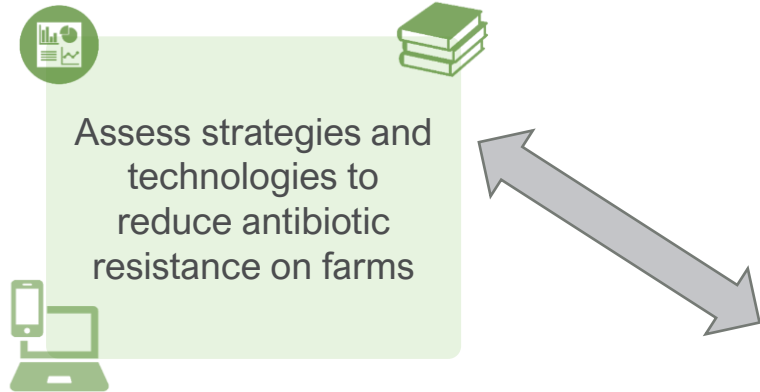


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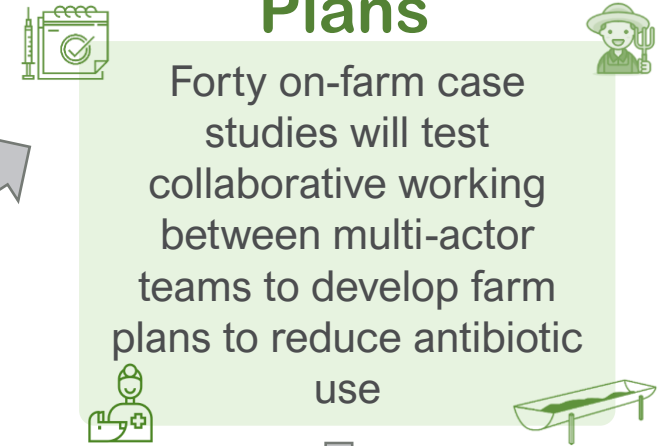
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DISARM: focus on coaching

- Coaching:
 - Help a person make a change in the desired direction in a desirable manner
 - Bring out the potential to improve performance
 - Building awareness
 - Motivate choices
 - Leads to change
- ABU reduction is demanding on farmer:
 - Sustain management changes
 - Sustain behavioural changes
- ABU reduction tailored to specific context of the farm

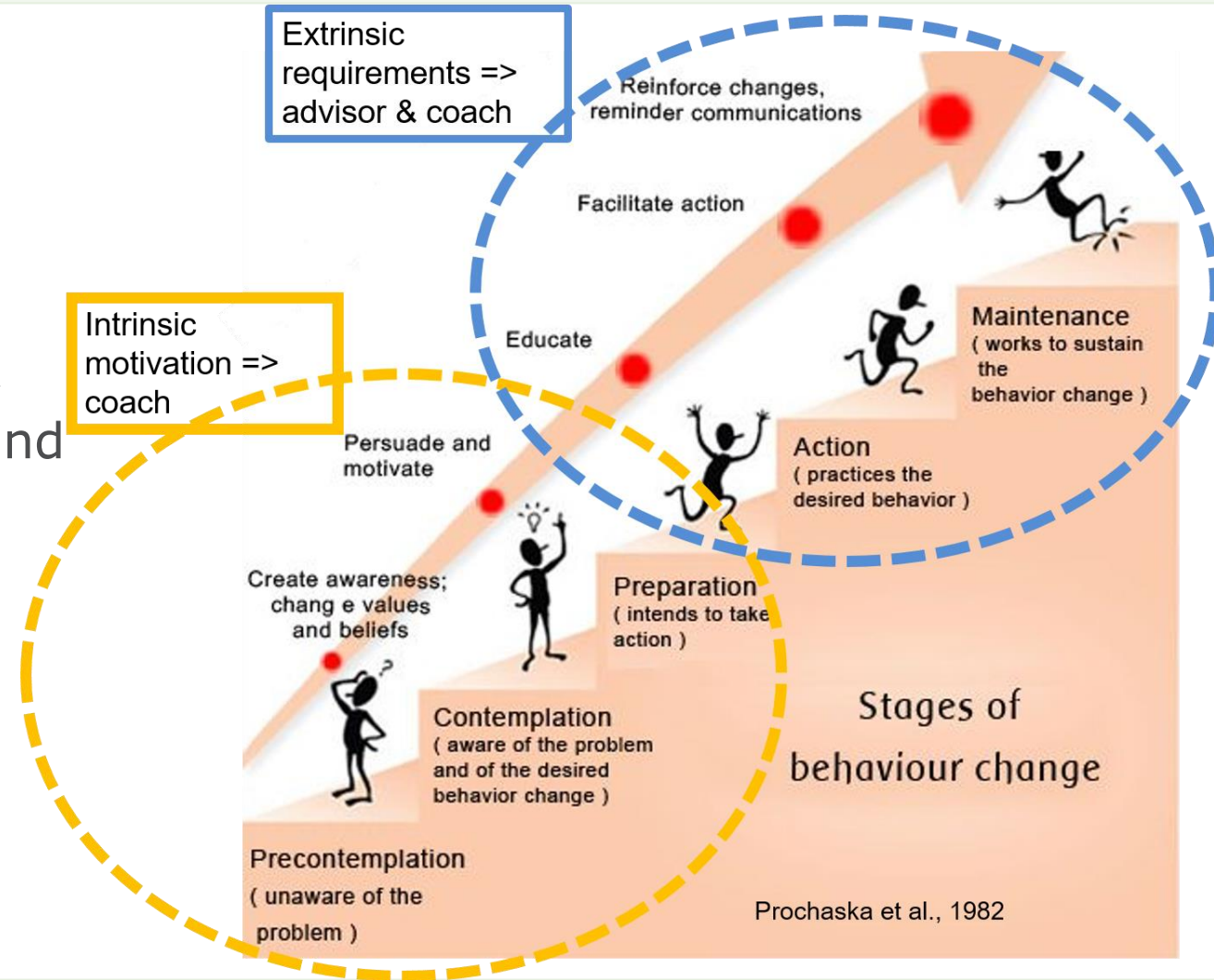


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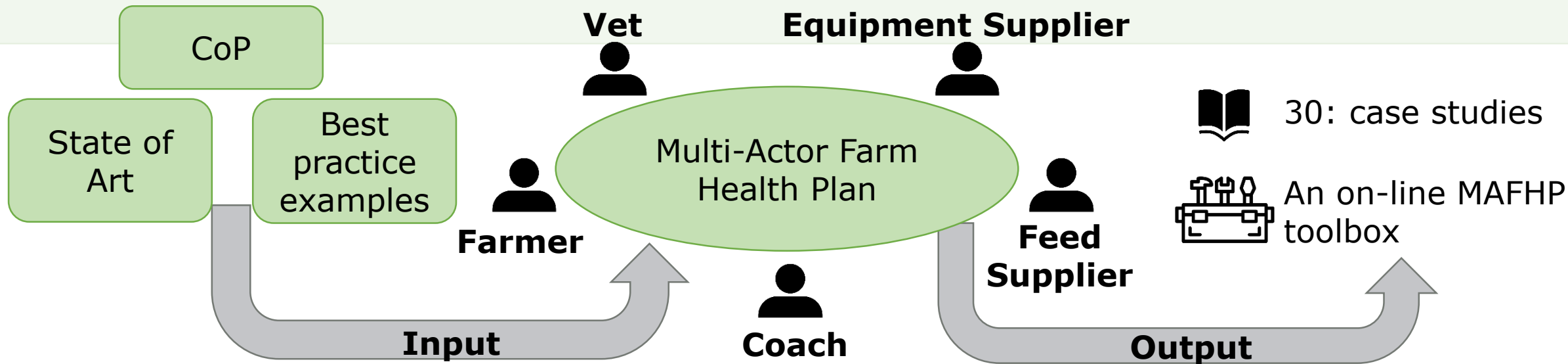


Need for coaching?

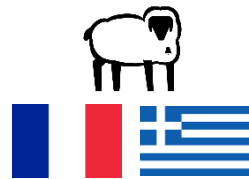
- Cfr. Presentation Dr. M Postma at [AACTING](#)
 - Coaching needed to:
 - change perception,
 - create awareness and desire,
 - build knowledge and ability and reinforce change of ABU practices
- Effects of coaching for farm specific ABU reduction see:
 - Rojo-Gimeno et al. 2016 Prev.Vet.Med.
 - Collineau et al. 2017 Prev.Vet.Med
 - Speksnijder et al. 2017 J.Dairy. Sci.



Multi-Actor Farm Health Plans



- Improve Farm Health Status
- Improve Farm Performance
- Reduce potential for AB resistance on farm



40 farms:
5 per country



Knowledge exchange between pilot farms and demo-events for other farmers and vets



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DISARM: Take home

- Join us and follow us
 - Become member and inspire the community!
- Get in touch and:
 - Invite us for events in your country
 - Enrich our database with innovative research, farm and industry level strategies on AMR reduction
- Changing farm management practices for lower ABU
 - Needs farm specific approach and tailored action plans
 - Requires behavioural change
 - Enhance succes rate through adapted coaching



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Disseminating Innovative
Solutions for Antibiotic
Resistance Management



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Coordinated by

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ILVO

Flanders research institute for
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Disarm thematic network



Disarm Project

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DISARM Community of Practice



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Credits for noun project icons

- Farmer Livestock by Gan Khoon Lay
- Knowledge by Nithinan Tatah
- Question by Saifurrijal
- Salesman by Kirby Wu
- Grains Silo by Ben Davis
- Internet by Adrien Coquet
- Meeting by Angelina
- Workshop by Nithinan Tatah



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