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Challenges to the integrity of the global food supply system

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Founder, The Institute for Global Food Security

Queen's University, Belfast

Oxford Farming Conference, 2018

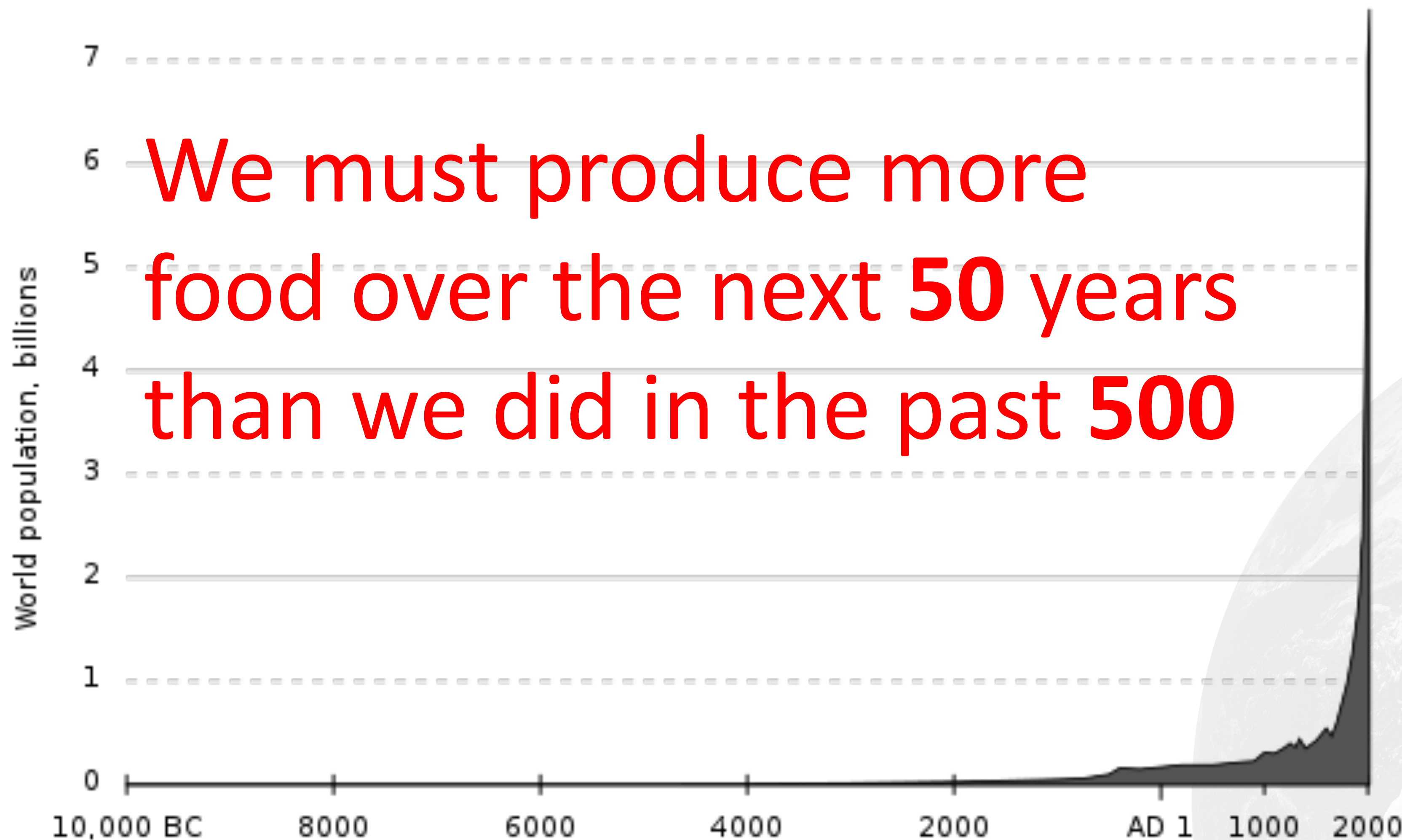




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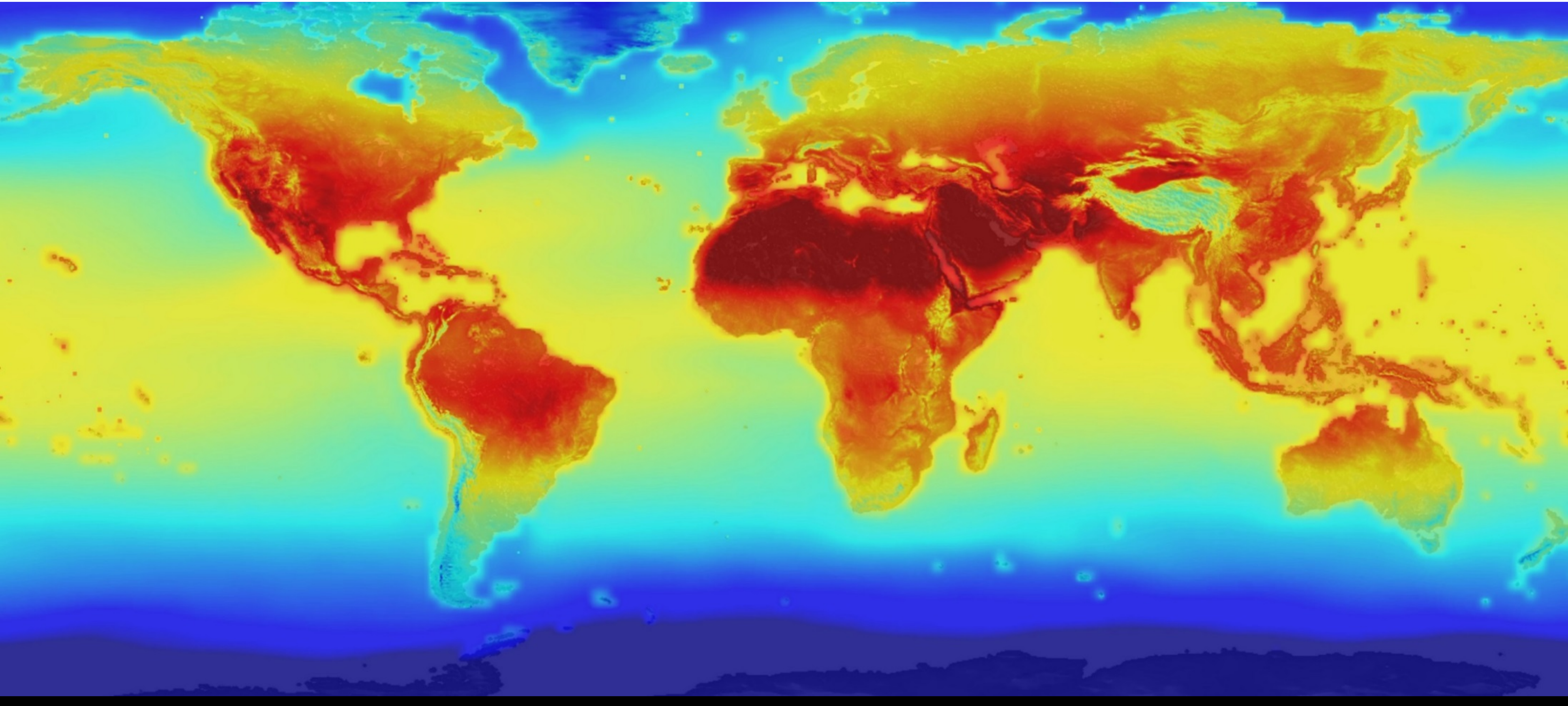




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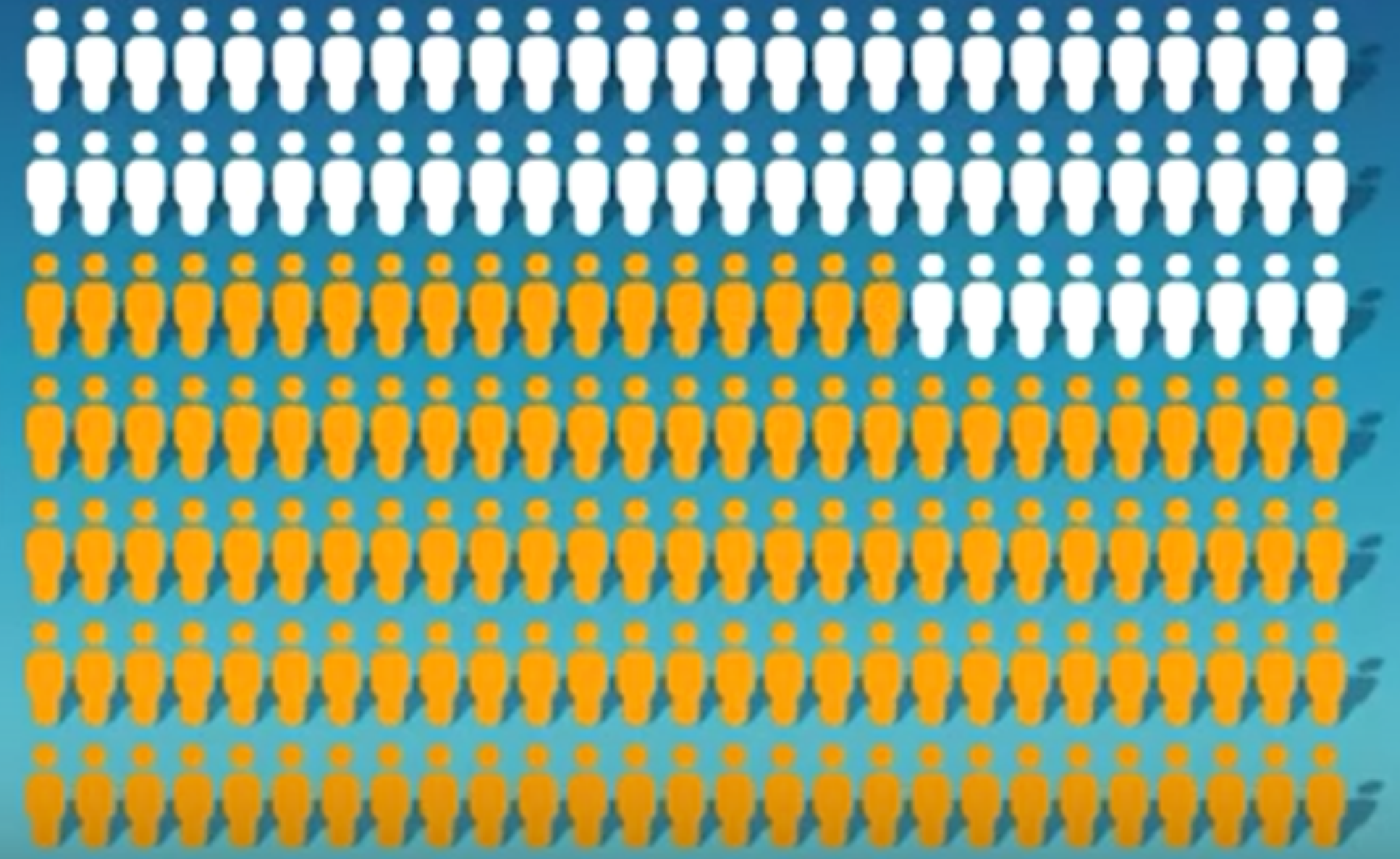
Currently, **one third** of the world population lives in countries where there isn't enough water or its quality has been compromised.

NOW



But by 2025 it is expected to rise to **two-thirds**

2025

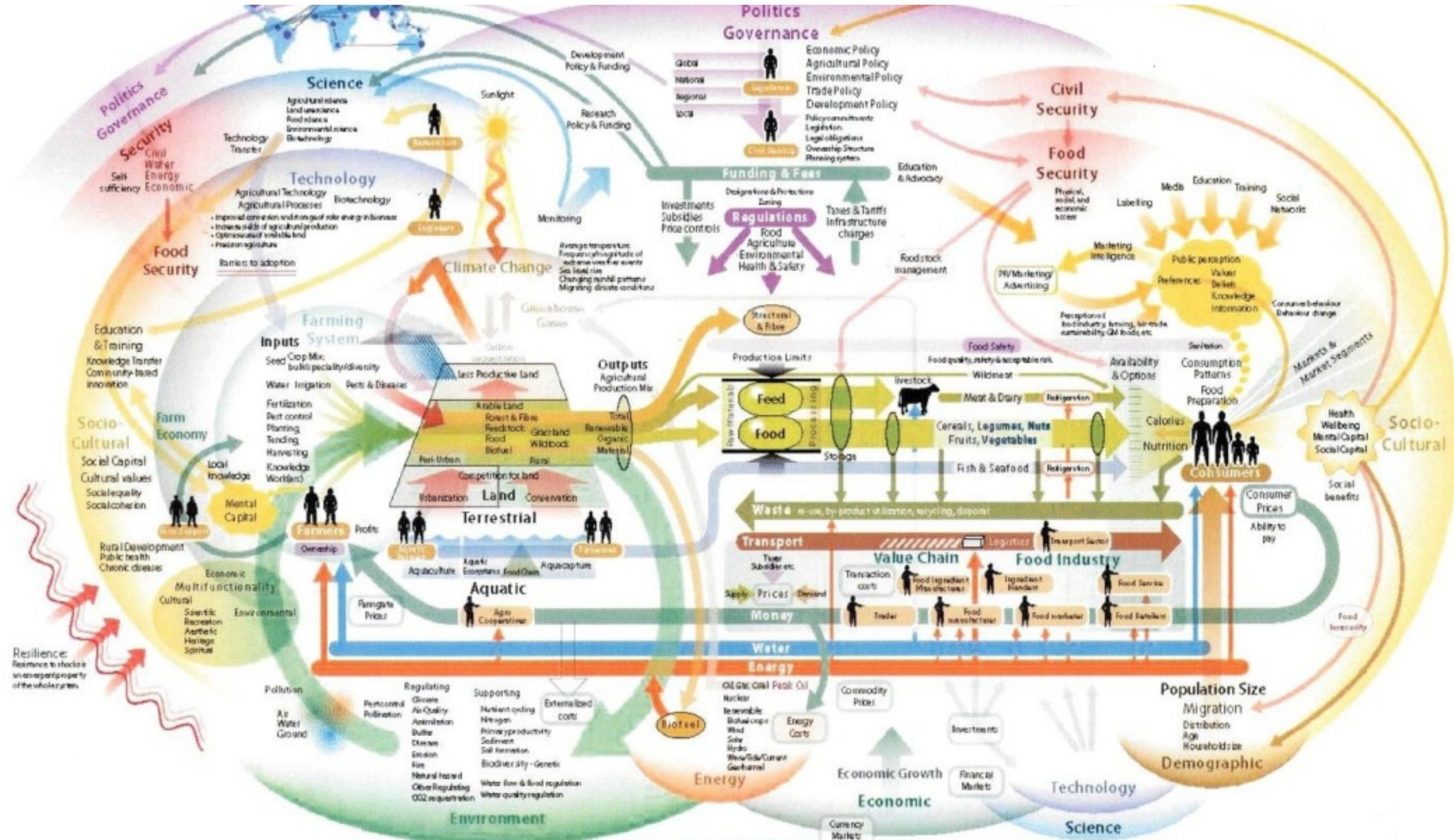




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Food security: when all people, at all times, have physical, social and economic access to sufficient, safe & nutritious **food** that meets their dietary needs and **food** preferences for an active and healthy life.





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Food integrity: when all people, at all times, have access to **food** which is safe, authentic and nutritious. The systems used to produce the **food** are sustainable, ethical, respect the environment and protect the human rights of all workers.





The 6 Principles of Food Integrity

- 1. The food we produce is safe**
- 2. The food we produce is authentic**
- 3. The food we produce is nutritious**
- 4. The systems used to produce our food are sustainable**
- 5. Our food is produced to the highest ethical standards**
- 6. We respect the environment and all those who work in our food industry**





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The food we produce is safe





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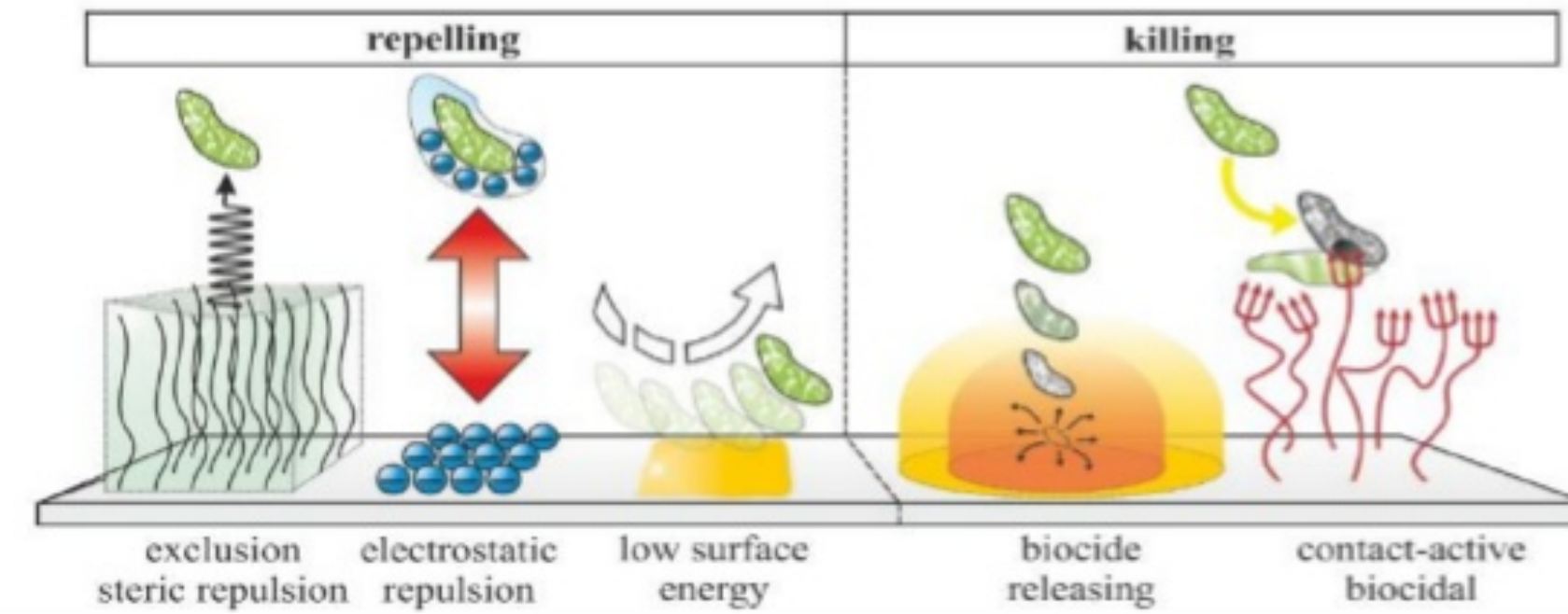
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Antimicrobial packaging

- Integration of antimicrobials agents into packaging materials
- To kill or to inhibit the pathogenic and spoilage microorganism





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The food we produce is authentic

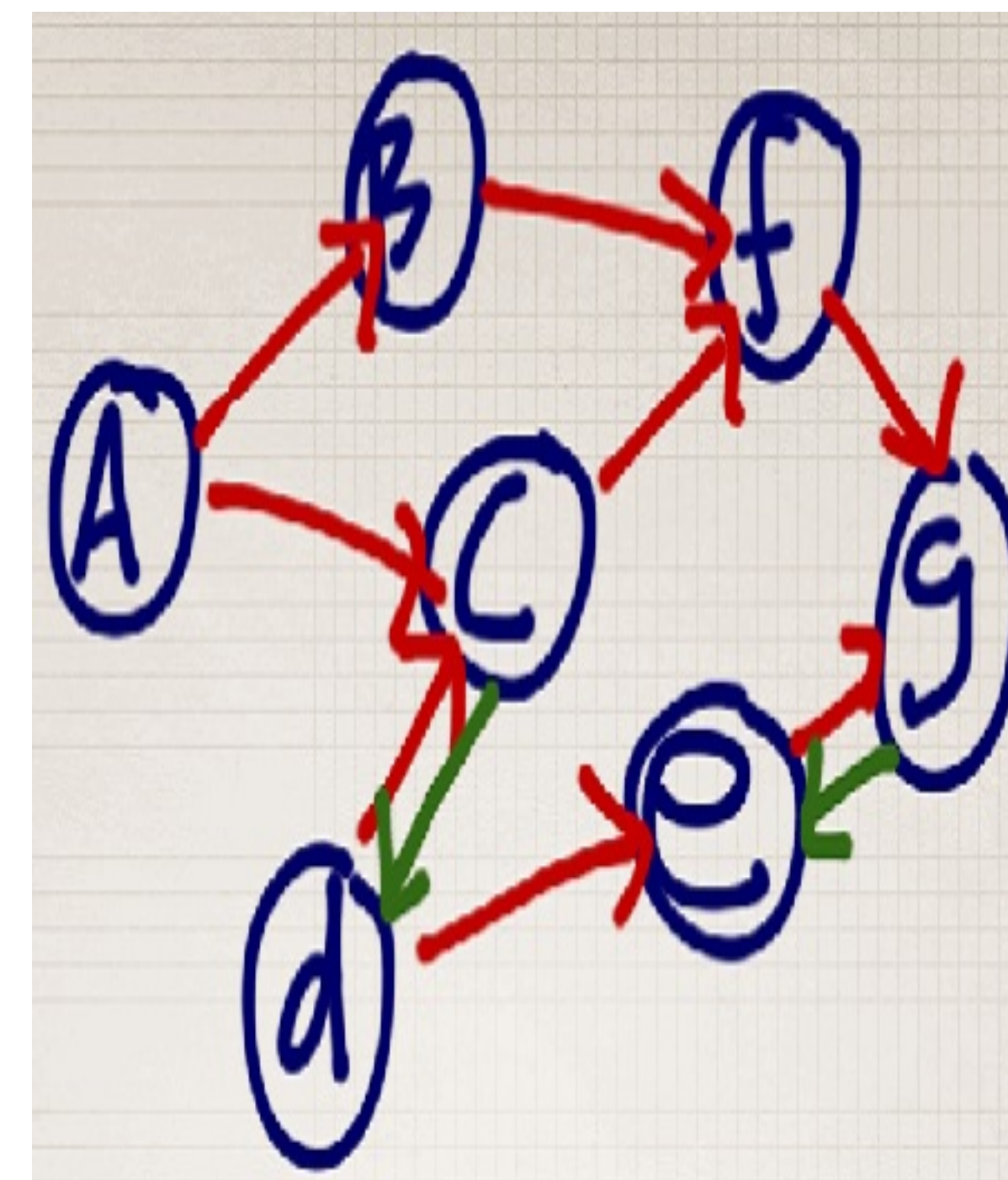




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The food we produce is nutritious

$$1 + 2 + 2 = 5$$





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The systems used to produce our food are sustainable





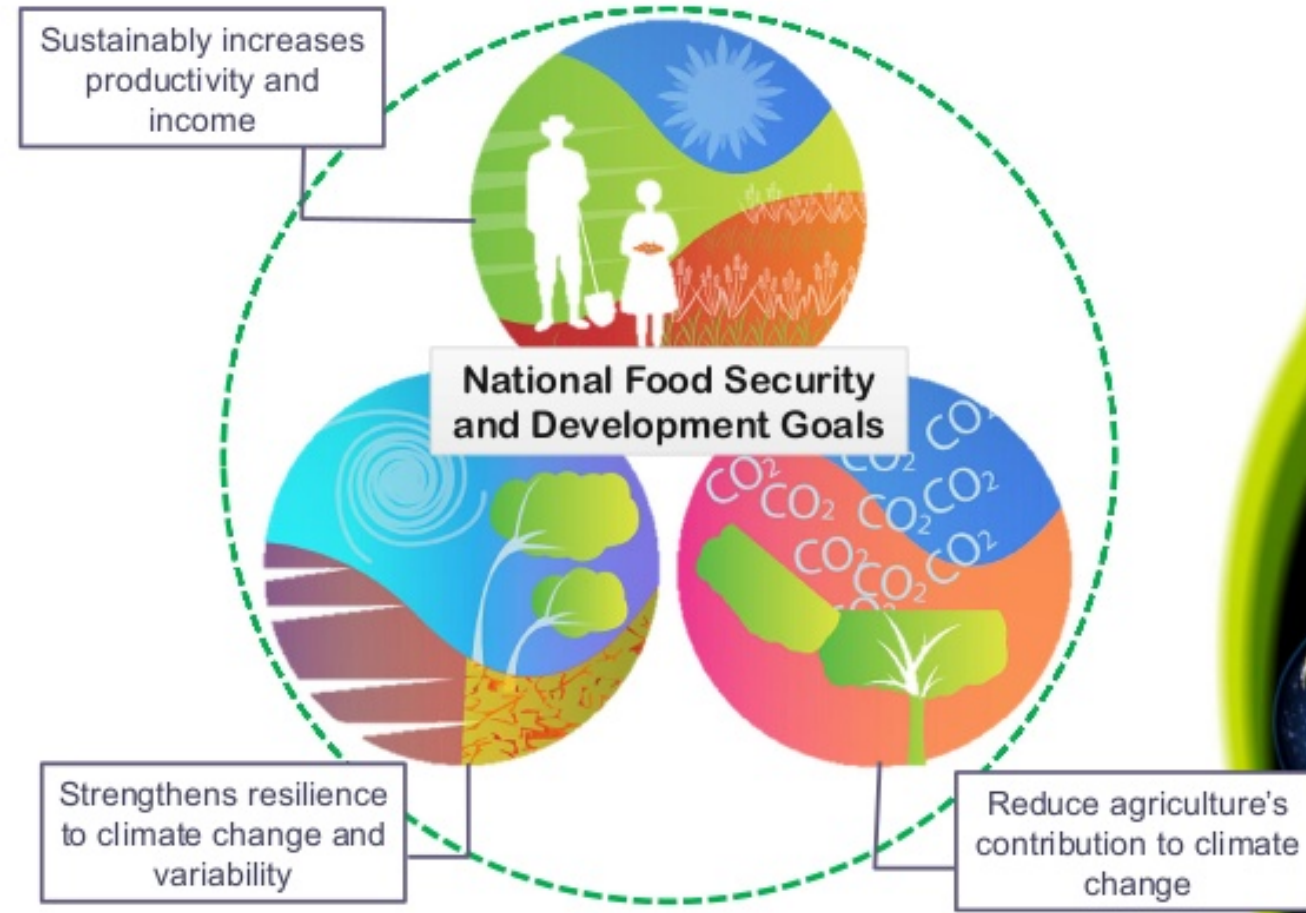
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What is CSA?



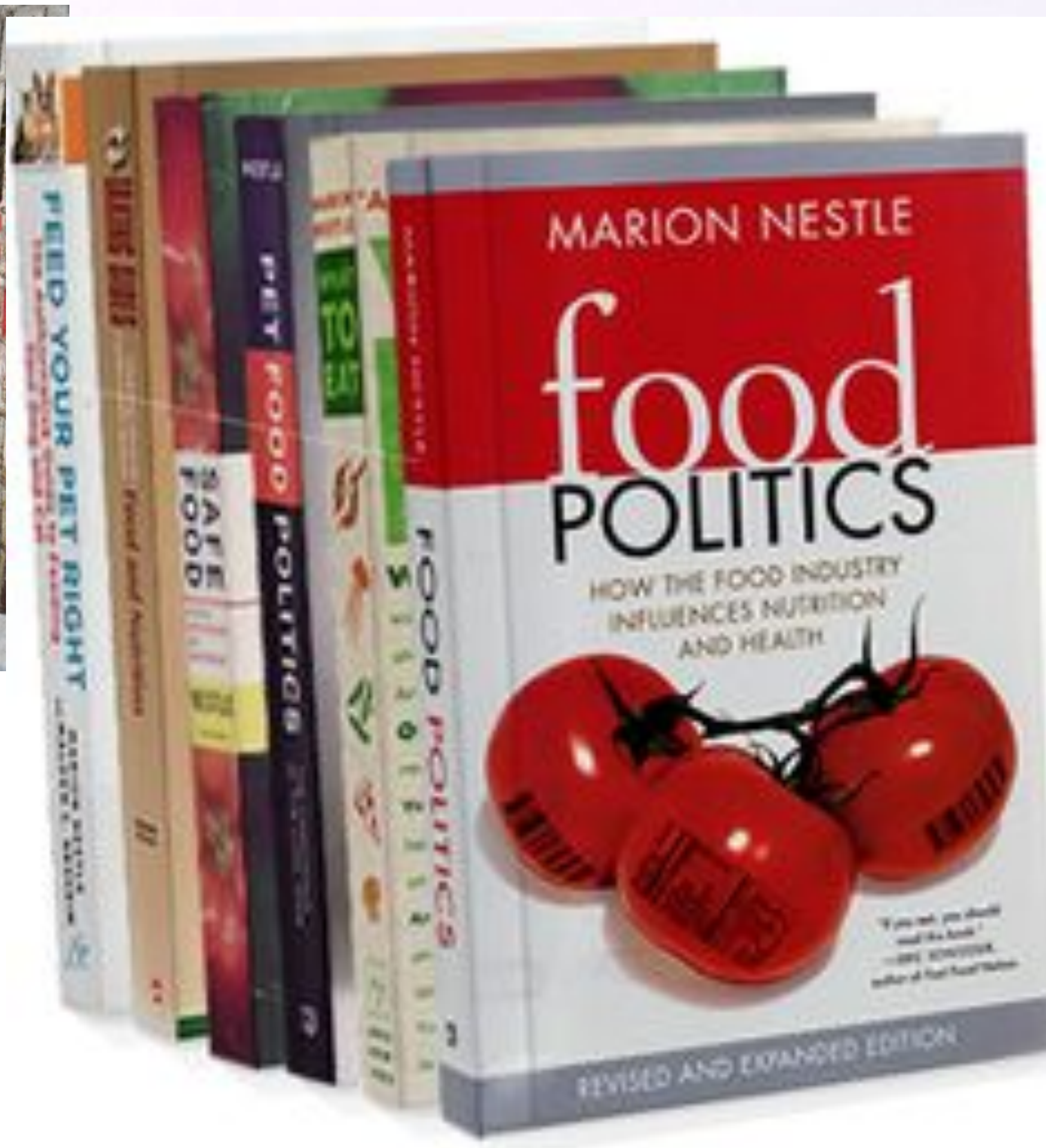


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Our food is produced to the highest ethical standards

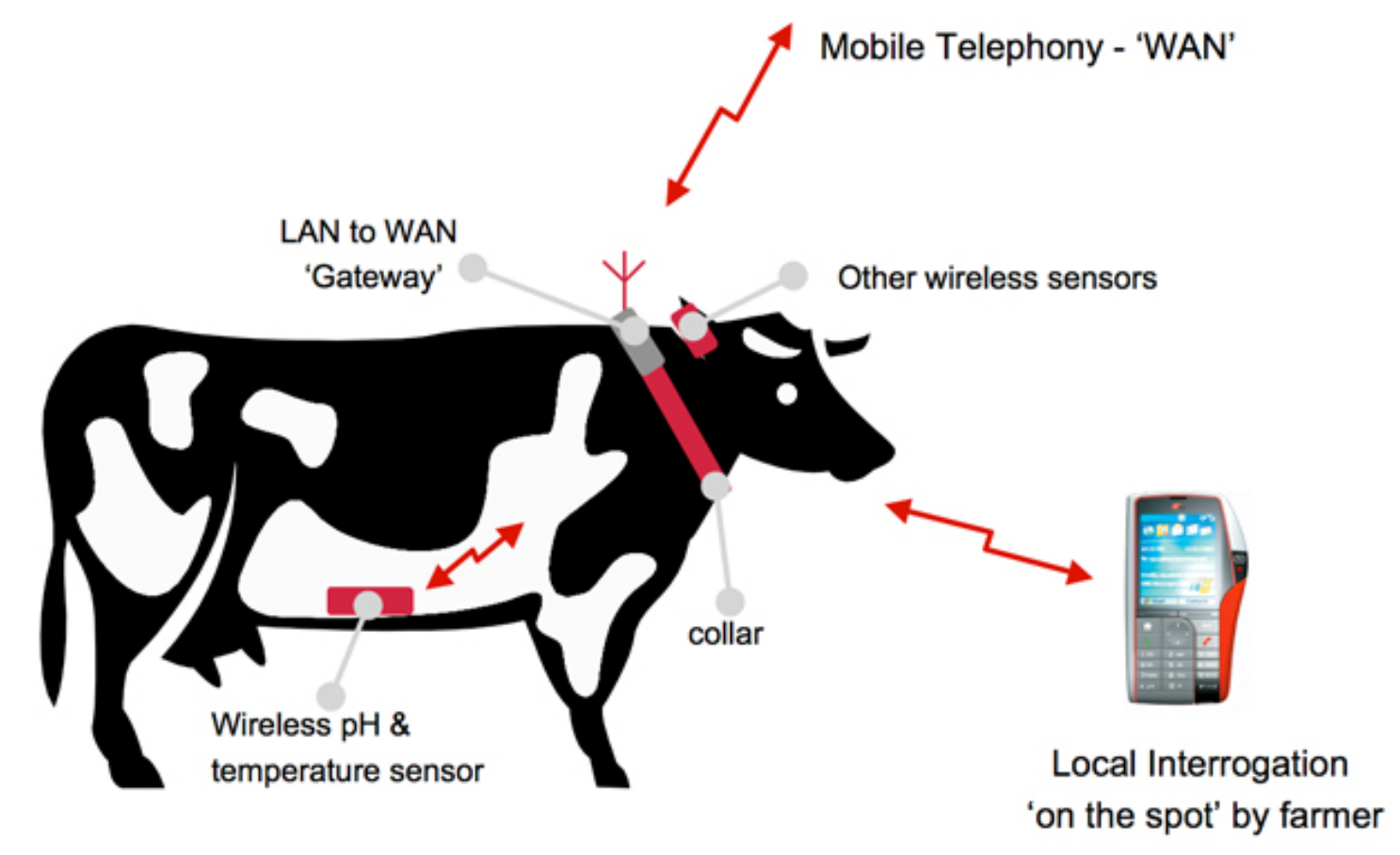
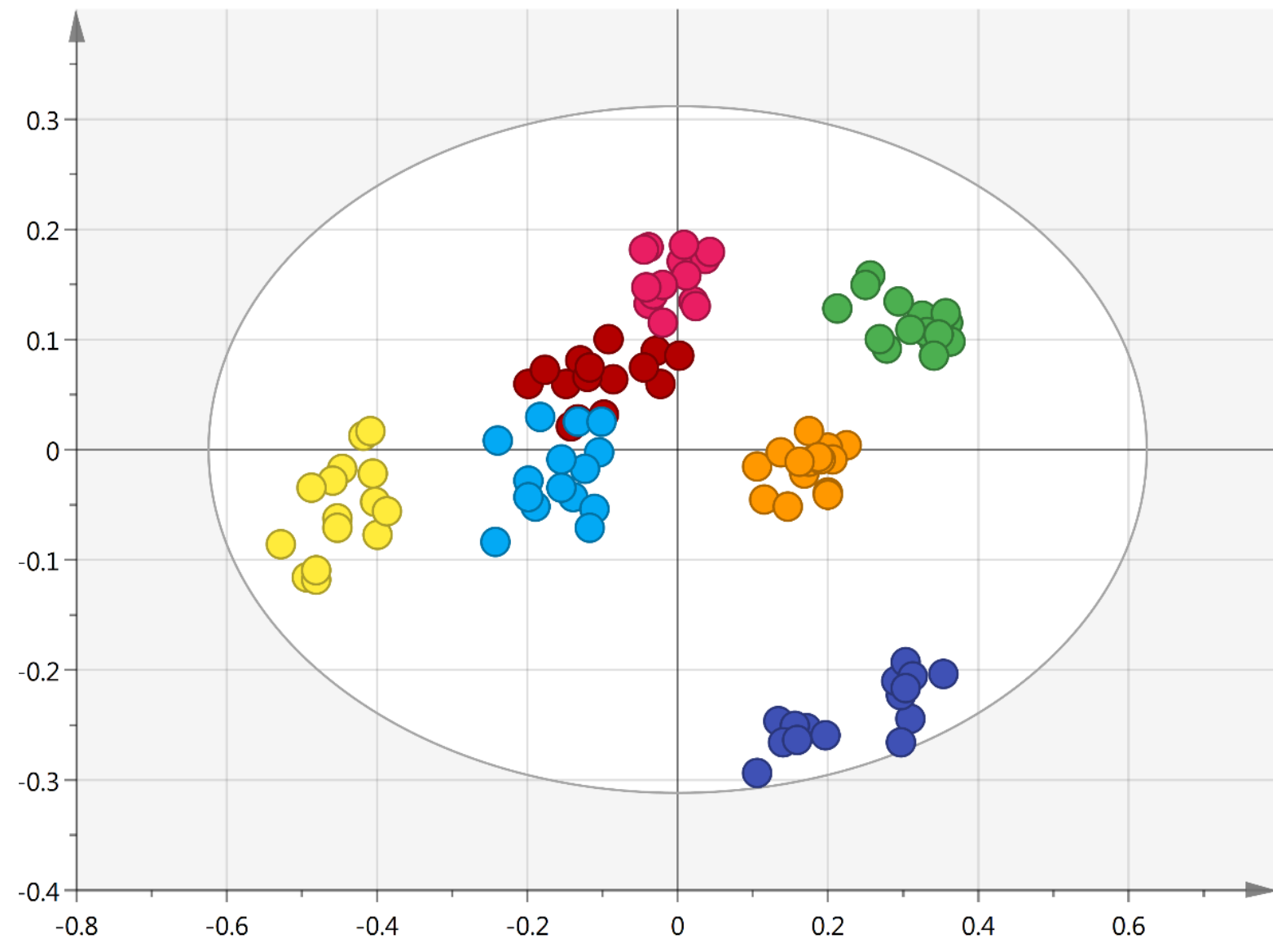




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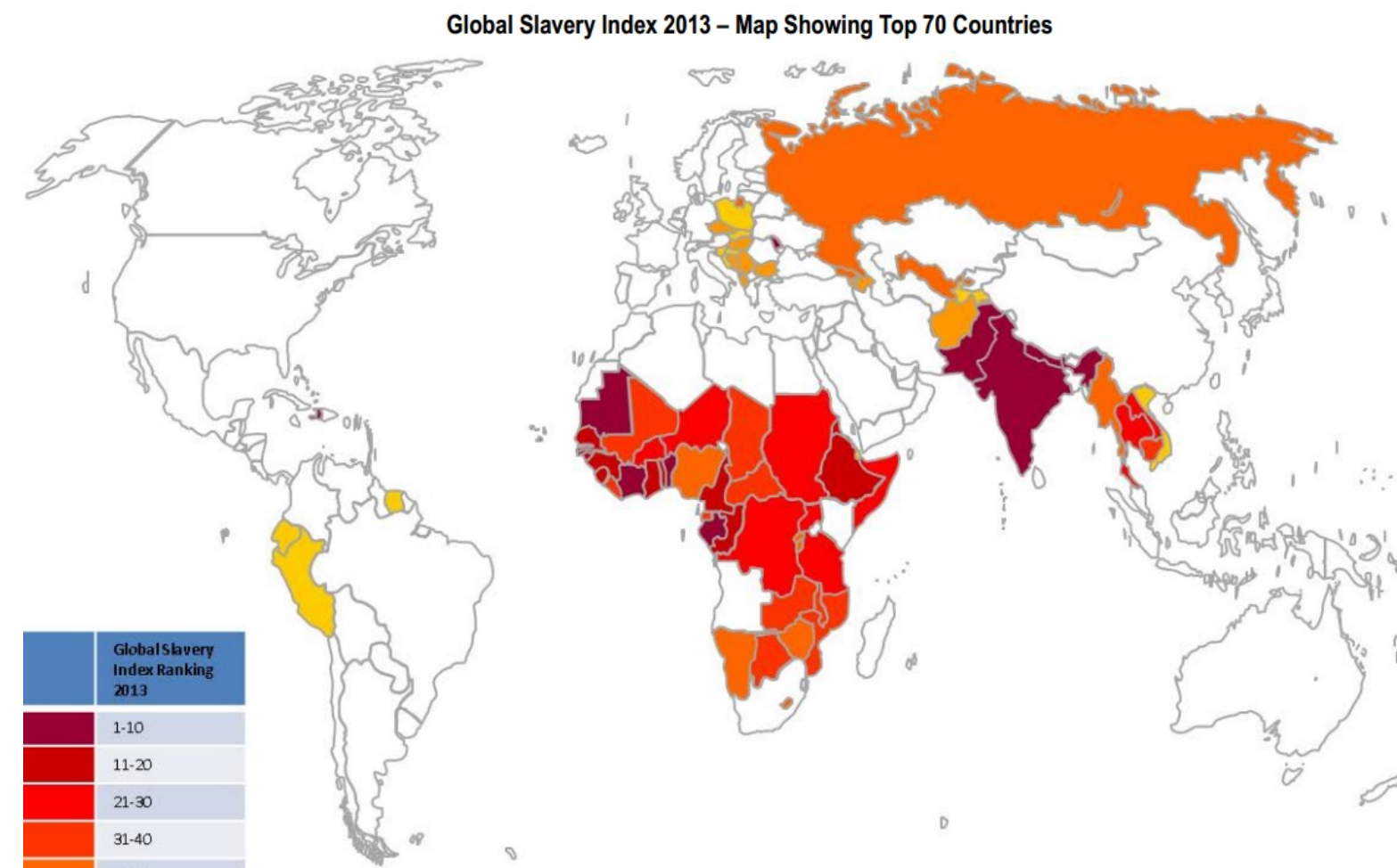
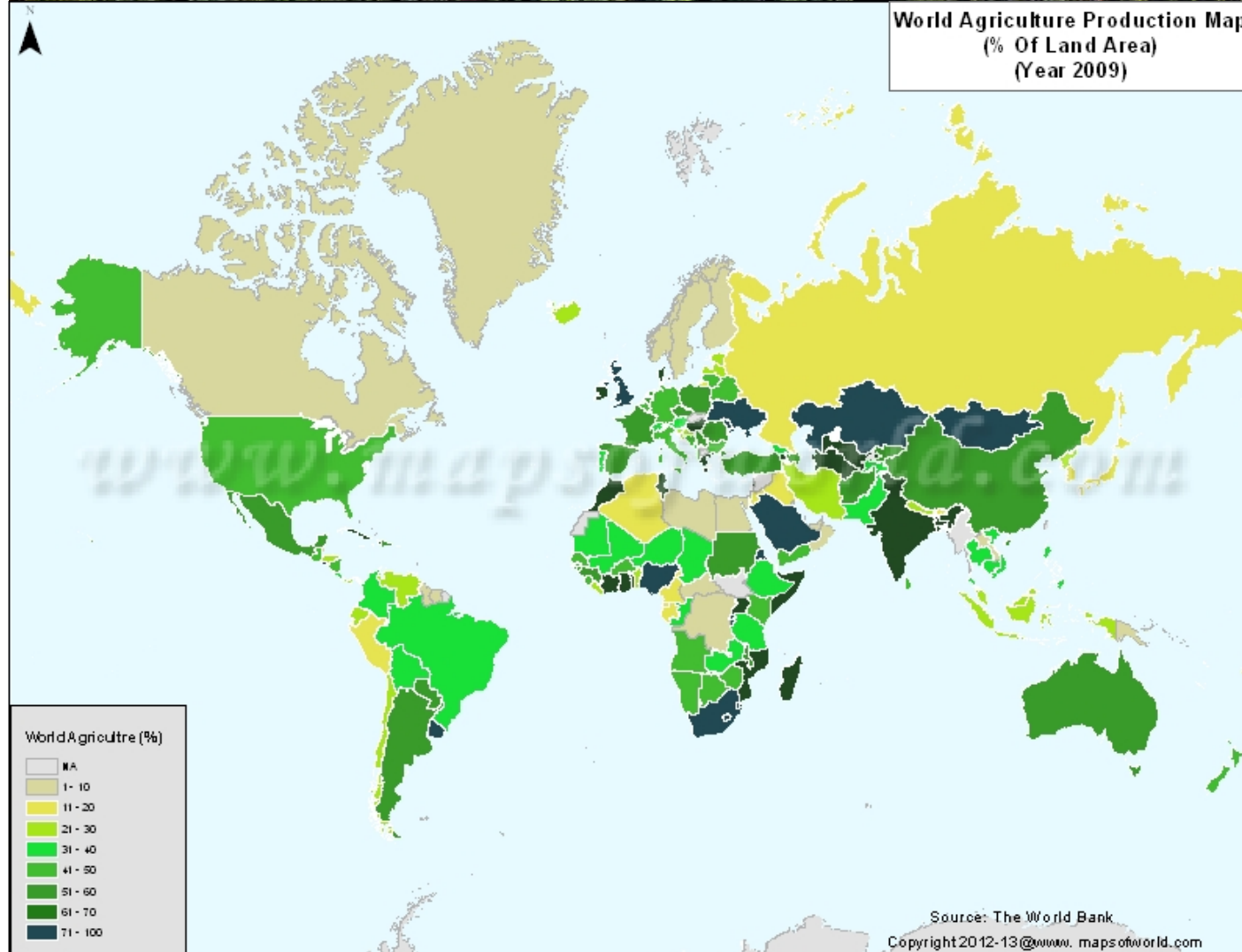


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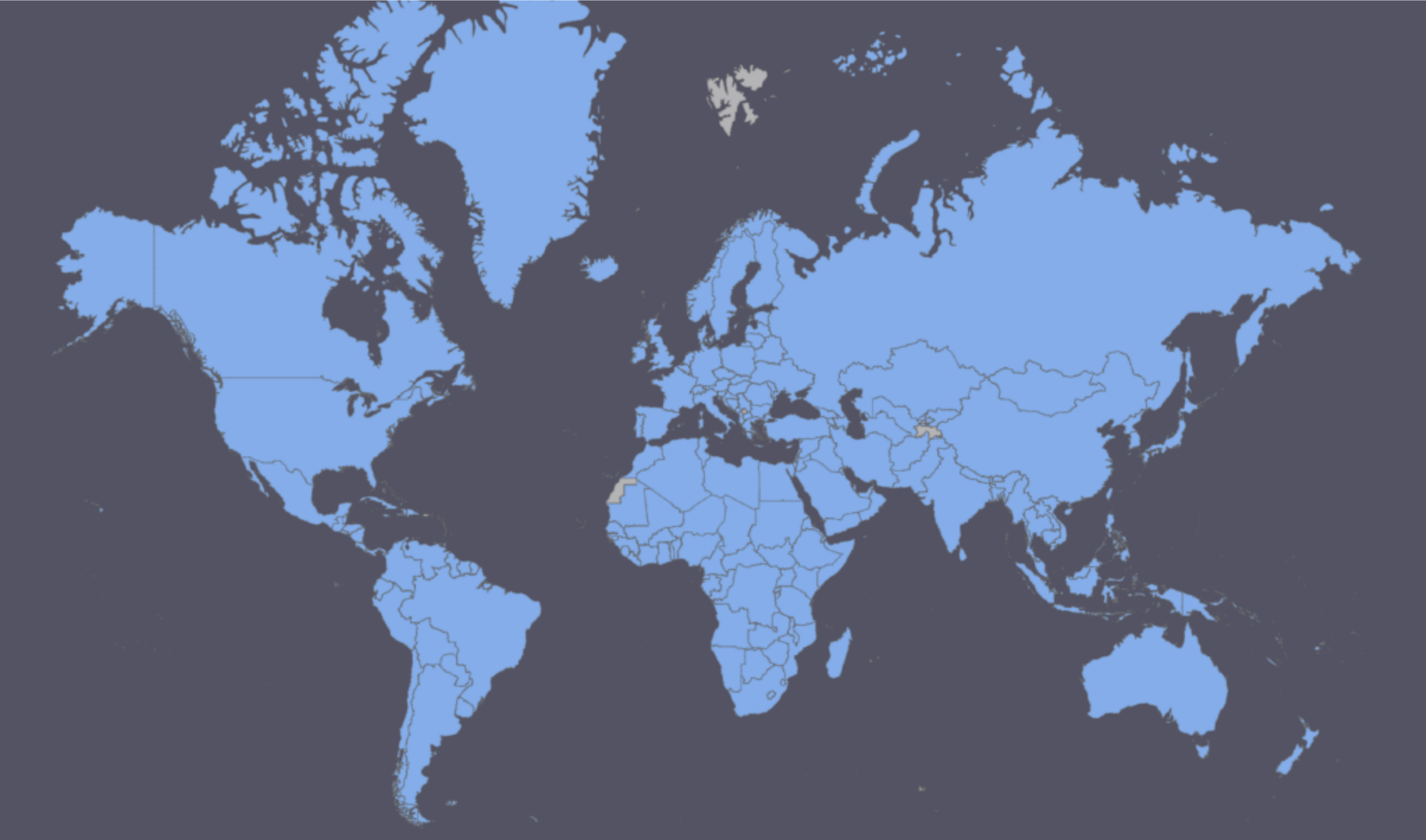




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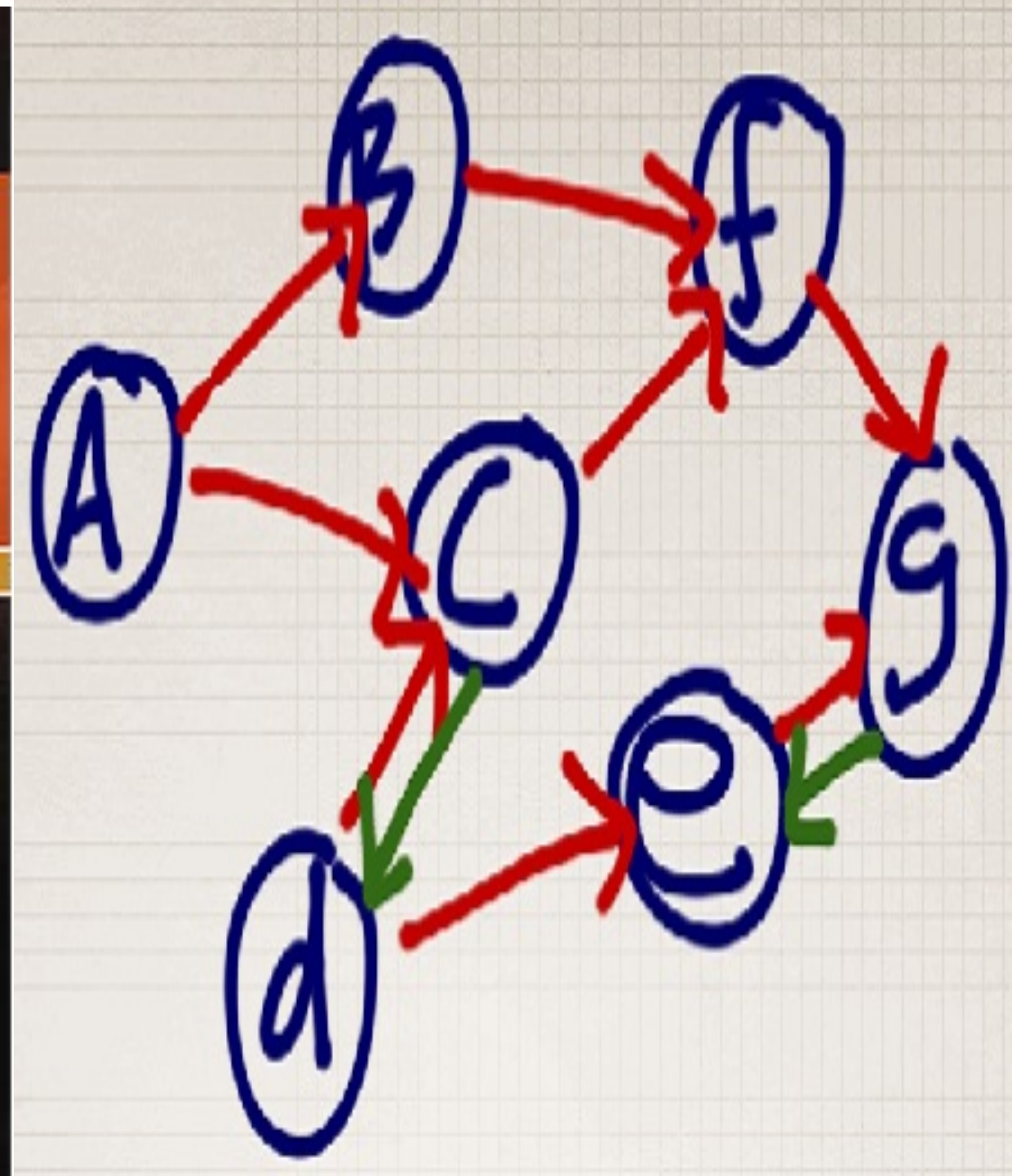




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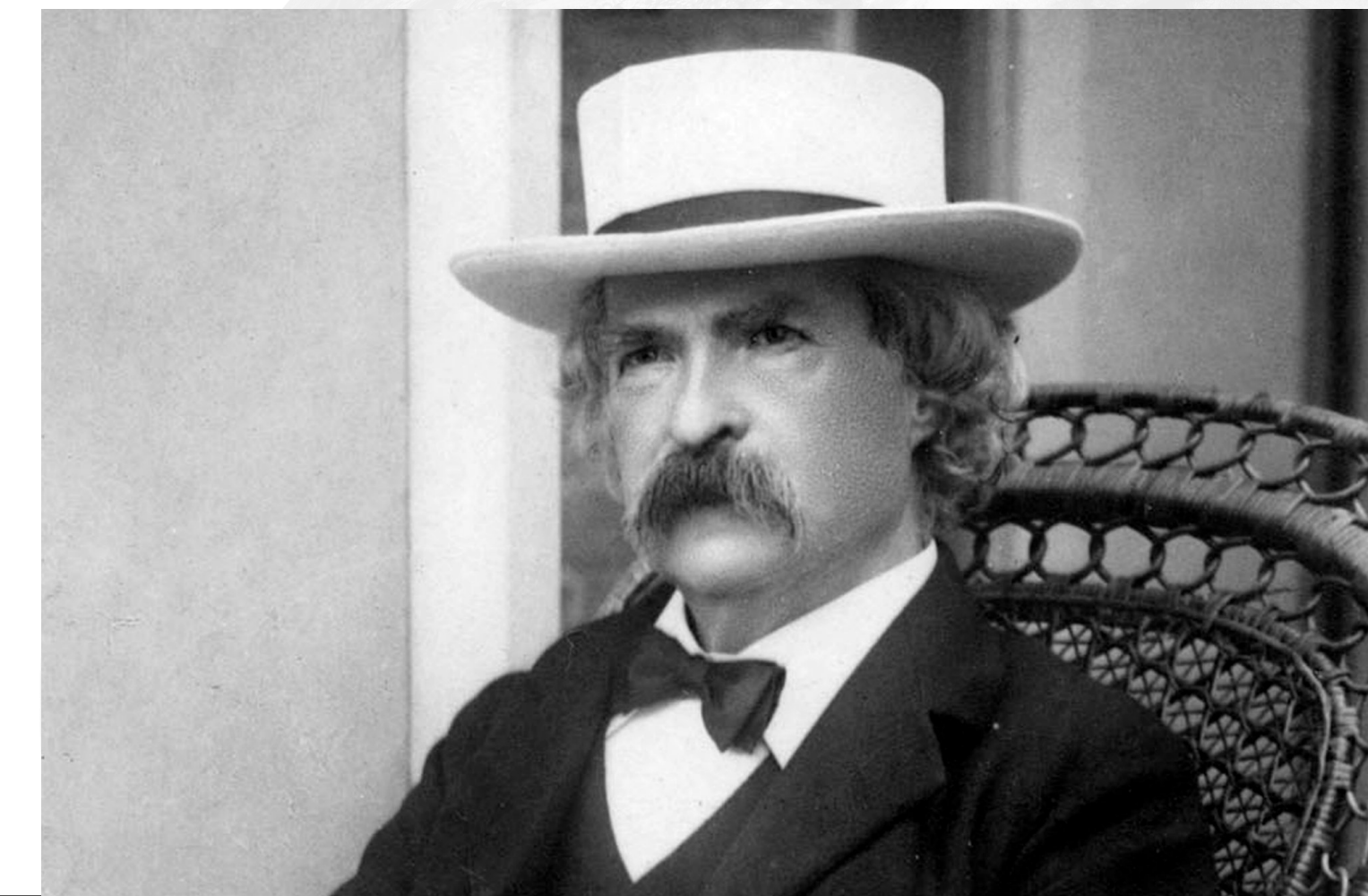
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Building a national food system based on integrity

- How many attributes of food integrity are already in place?
- What fundamental changes would have to take place?
- Could the UK agri-food and government work together to deliver?

‘ It’s never wrong to do the right thing’





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The Hub for Global Food Integrity

