Emerging Technologies

PPDC
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Agenda

- Introduction
- Problem Statement
- Examples (pictures are not EPA endorsements)
- EPA Efforts
- Potential Workgroup Charge Questions

Introduction

- How we use pesticides to help grow our food **tomorrow** will look very different from how we use them **today**.

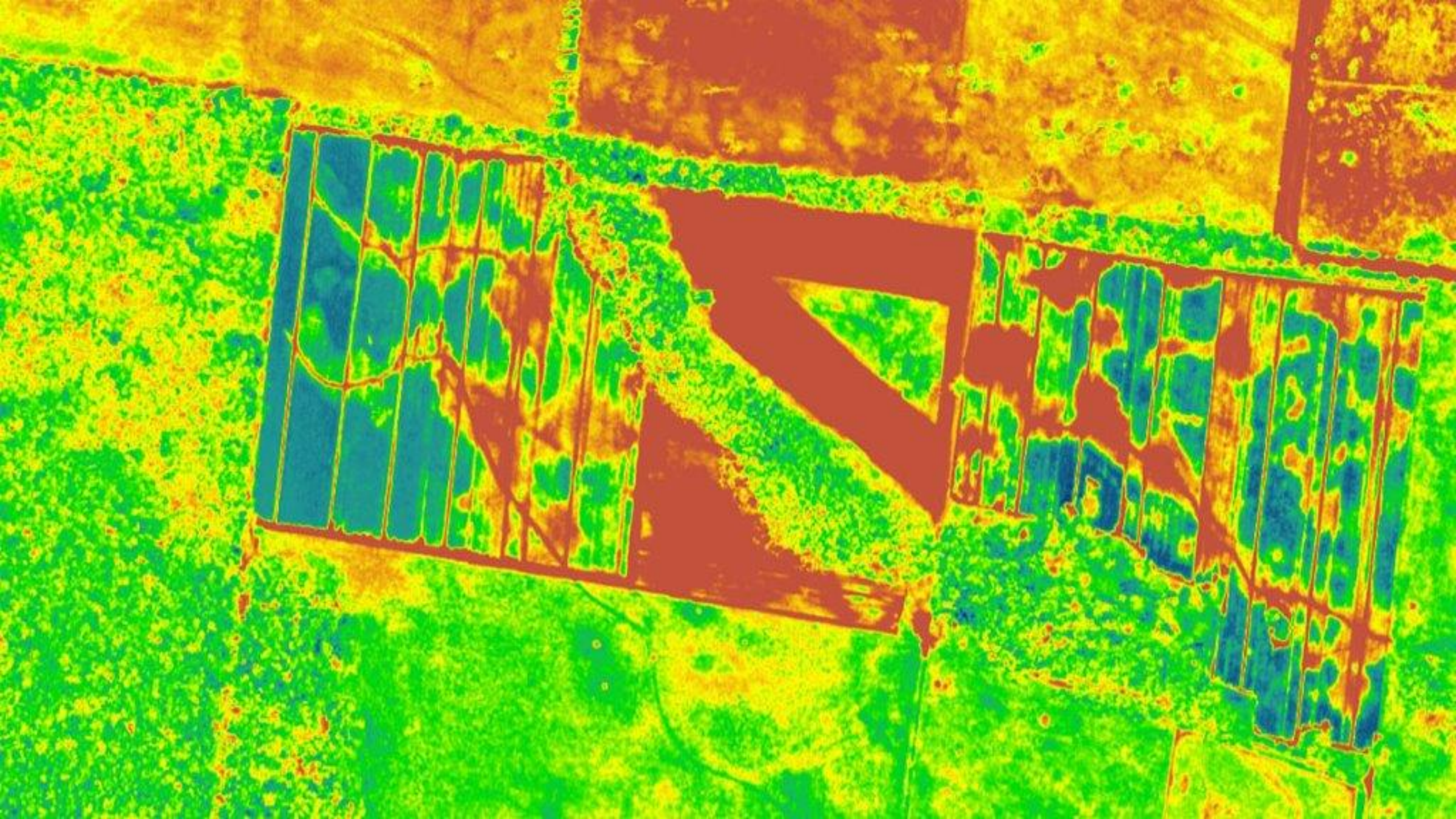
- What policy and label changes are necessary as a result?

Examples

- Precision Farming
- Robotics
- Artificial Intelligence
- Advanced Sensor Technology
- Hyperspectral Imaging
- Internet of Things
- QR (Quick Response) Codes
- Product Traceability
- Unmanned Aerial Applications
- Augmented Reality Farming


AGCO
riculture Company
FENDT
IDEAL
PROVEN PERFORMANCE
FOR FARM & FIELD


AGCO
Your Agriculture Compa
2400
2400
2400
SOURCE




Environment
75F
62
65F
95.3%
1,250 PV

EPA Projects

- OPP Information Technology Digital Transformation
- OPPEL
- QR Codes
- Web-distributed labeling
- EPA UAV Workgroup
- Commodity Classic (Association of Equipment Manufacturers)
- Participation in State Emerging Technologies Workgroup
- Other

Questions

- How should EPA obtain a greater understanding of how the use of emerging technologies leads to reduced or increased risks that differ from those resulting from current methods?
- What changes to EPA's approach to labels, if any, are needed to accommodate emerging technologies?

Credits

- https://arpost.co/2019/01/18/how-augmented-reality-could-revolutionize-farming/
- https://www.agritecture.com/blog/2018/11/27/the-hidden-potential-of-augmented-reality-in-farming
- https://www.youtube.com/watch?v=NNynnV1PJrk&list=PL290561E12DD924D9&index=81&app=desktop
- Ed's Photos
- Shutterstock
- Wikipedia (QR Code landing page)