

**UPSCALING SENSOR DATA FOR EU-WIDE MONITORING OF PRODUCTION AND AGRI-ENVIRONMENTAL CONDITIONS**

**SCALEAGDATA CONSORTIUM**

DATA & TECHNOLOGY PROVIDERS
INFRASTRUCTURE PROVIDERS
TECHNOLOGY / AGRITECH SME & COMPANIES
RESEARCH INSTITUTES / UNIVERSITIES
MACHINERY & DATA PROVIDERS
USERS
AGRI-FOOD PROFESSIONAL ORGANIZATIONS
RISK MANAGEMENT INSURANCE & FINANCE
THINK TANK

**6 RESEARCH & INNOVATION LABS WORKING ON:**

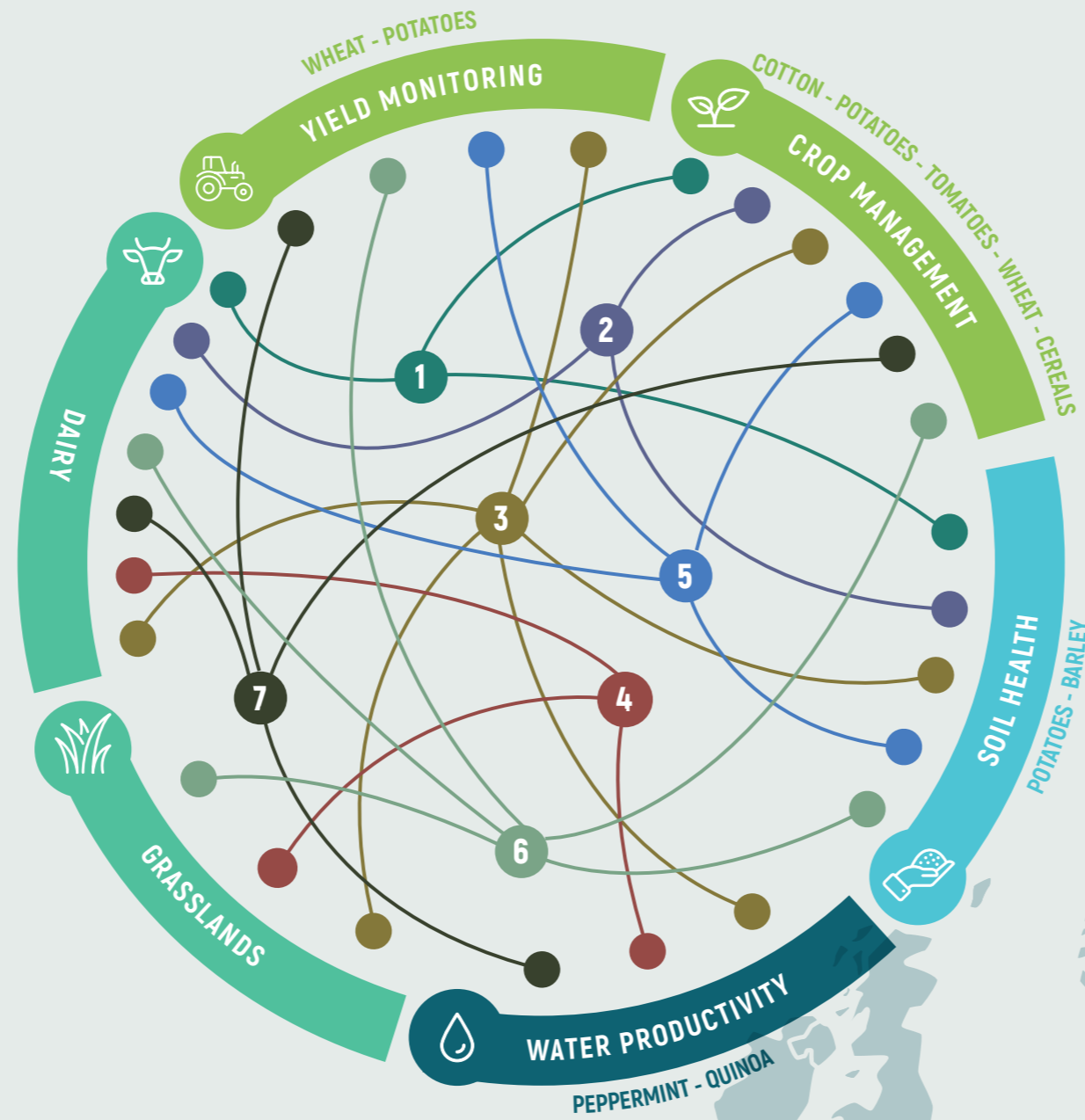
- SENSOR & SERVICE INNOVATIONS
- DATA PRODUCTS & INTEGRATION INNOVATIONS
- INNOVATIVE USE OF DATA PRODUCTS

**INNOVATIONS**

- 1** INNOVATIVE SENSOR TECHNOLOGY
- 2** EDGE PROCESSING
- 3** DATA SHARING ARCHITECTURE & GOVERNANCE
- 4** SATELLITE DATA AUGMENTATION
- 5** PRIVACY PRESERVING TECHNOLOGY
- 6** DATA INTEGRATION METHODOLOGIES
- 7** FROM DATA ASSIMILATION TO SERVICE DEVELOPMENT

**LAND MONITORING**

- CROP
- WATER
- SOIL
- LIVESTOCK



EU WIDE DATA PRODUCTS

**TARGET GROUPS**

- FARMERS, ADVISORS & THEIR ASSOCIATIONS
- SME / AGRIBUSINESS AGRITECH COMPANIES
- POLICY MAKERS / PUBLIC AUTHORITIES & GOVERNMENTAL BODIES
- SCIENTIFIC COMMUNITY & ACADEMIA
- OTHER TECHNOLOGY PROVIDERS (SENSORS, SATELLITE, CLOUD, AI)
- INSURANCE SECTOR
- EUROPEAN INSTITUTIONS NATIONAL & INTERNATIONAL ORGANIZATIONS
- GENERAL PUBLIC CONSUMER

**OBJECTIVES**

- INNOVATIVE APPROACHES FOR COLLECTING IN-SITU DATA & APPLYING DATA TECHNOLOGIES
- ENABLE & PROMOTE DATA SHARING ALONG ENTIRE DATA VALUE CHAIN
- SCALE SENSOR DATA TO AGRI-ENVIRONMENTAL DATA PRODUCTS AT NATIONAL, REGIONAL OR EUROPEAN LEVEL
- IMPROVE MONITORING CAPACITIES IN A PRECISION FARMING CONTEXT
- DEMONSTRATE BENEFITS OF UPSCALED REGIONAL DATASETS FOR AGRICULTURE

**SUPPORTING EUROPEAN POLICIES AND STRATEGIES BY**

1. STRENGTHENING CAPACITIES FOR SMART FARMING
2. ENHANCING ENVIRONMENTAL & ECONOMIC PERFORMANCE OF AGRICULTURAL SECTOR
3. STRENGTHENING CAPACITIES FOR AGRI-ENVIRONMENTAL MONITORING (SOIL & CROP CONDITIONS)



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