SCALEAGDATA
MAKING DATA COUNT

SCALEAGDATA.EU

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

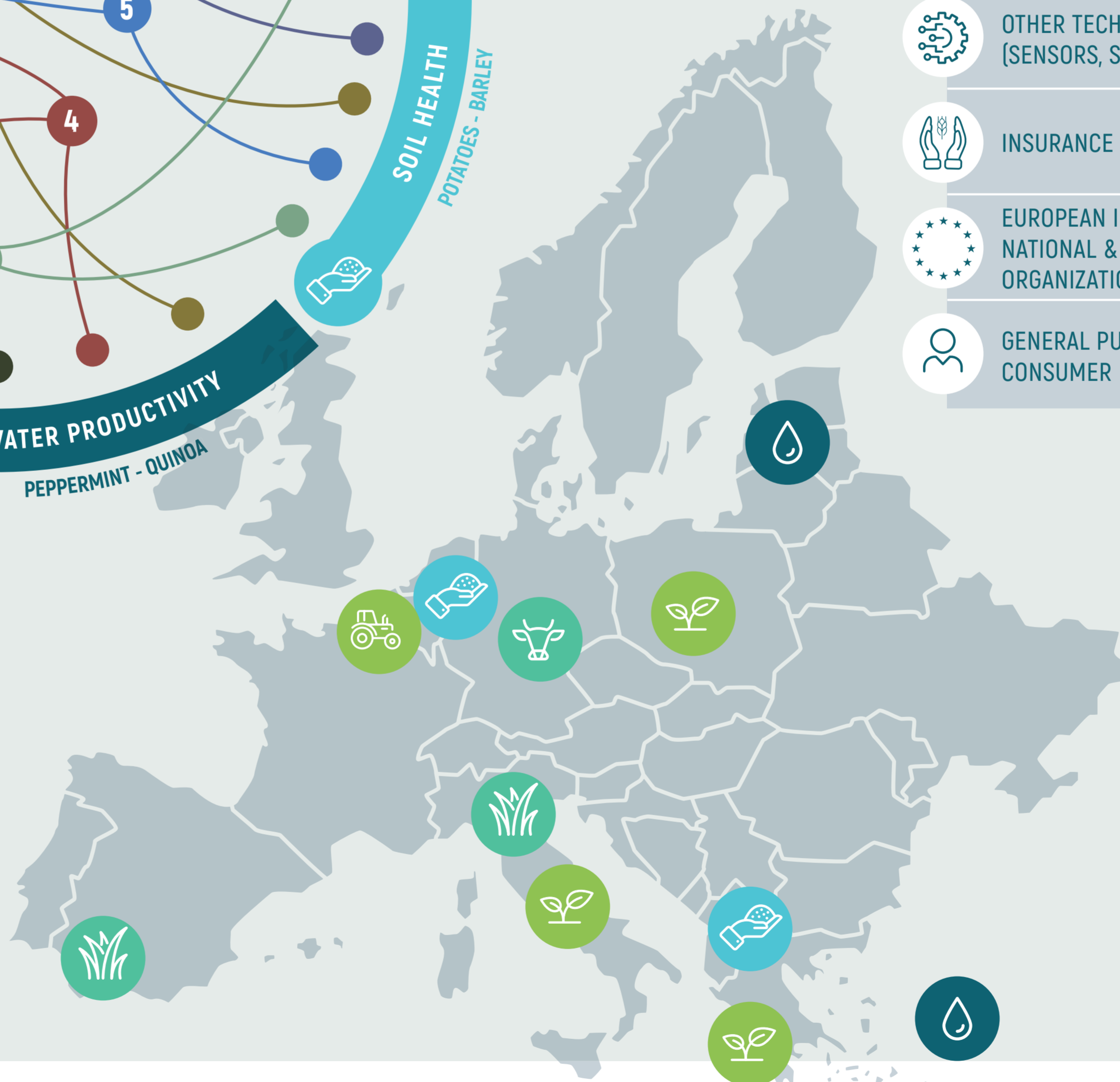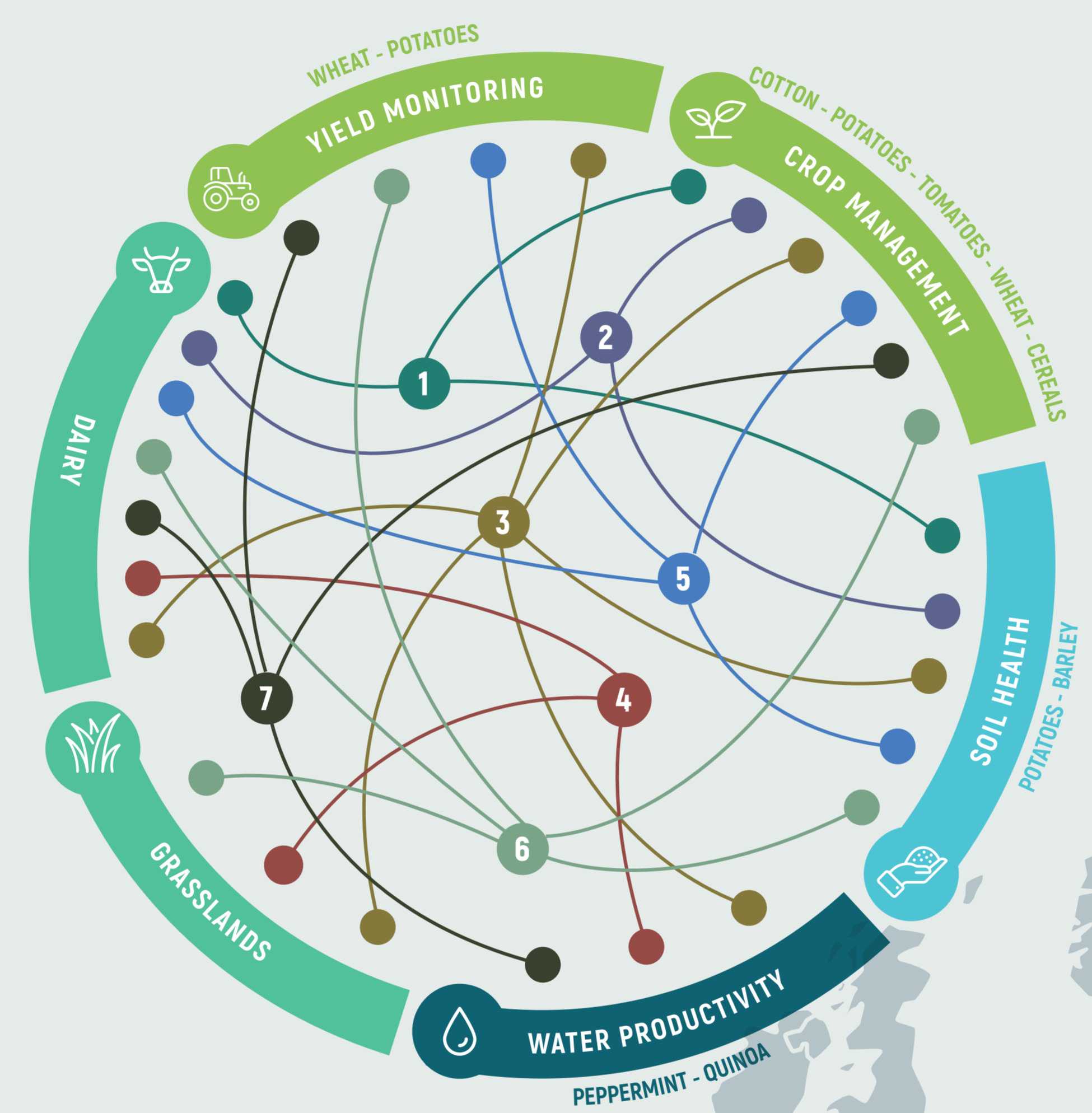### 6 RESEARCH & INNOVATION LABS WORKING ON:

- 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

Circular diagram segments:
- YIELD MONITORING — WHEAT - POTATOES
- CROP MANAGEMENT — COTTON - POTATOES - TOMATOES - WHEAT - CEREALS
- SOIL HEALTH — POTATOES - BARLEY
- WATER PRODUCTIVITY — PEPPERMINT - QUINOA
- GRASSLANDS
- DAIRY

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)

Partner logos: vito remote sensing, ILVO Flanders, deimos, ENIZET ICCS, VTT, Luke, KUVA SPACE, Wielkopolski Ośrodek Doradztwa Rolniczego w Poznaniu, PSNC, HORTA, Instituto Andaluz de Investigación y Formación Agraria, Pesquera, Alimentaria y de la Producción Ecológica — Consejería de Agricultura, Pesca, Agua y Desarrollo Rural, ATB, OHB DIGITAL, dmk Group, MIGAL, Institute for Environmental Solutions, egm, CNH INDUSTRIAL, AVR, ARISTOTLE UNIVERSITY OF THESSALONIKI SPECTRA LAB, eurac research, AGROINSURANCE www.agroinsurance.com, GHENT UNIVERSITY, DHI, FARM EUROPE