

DIONE



PROJECT OVERVIEW



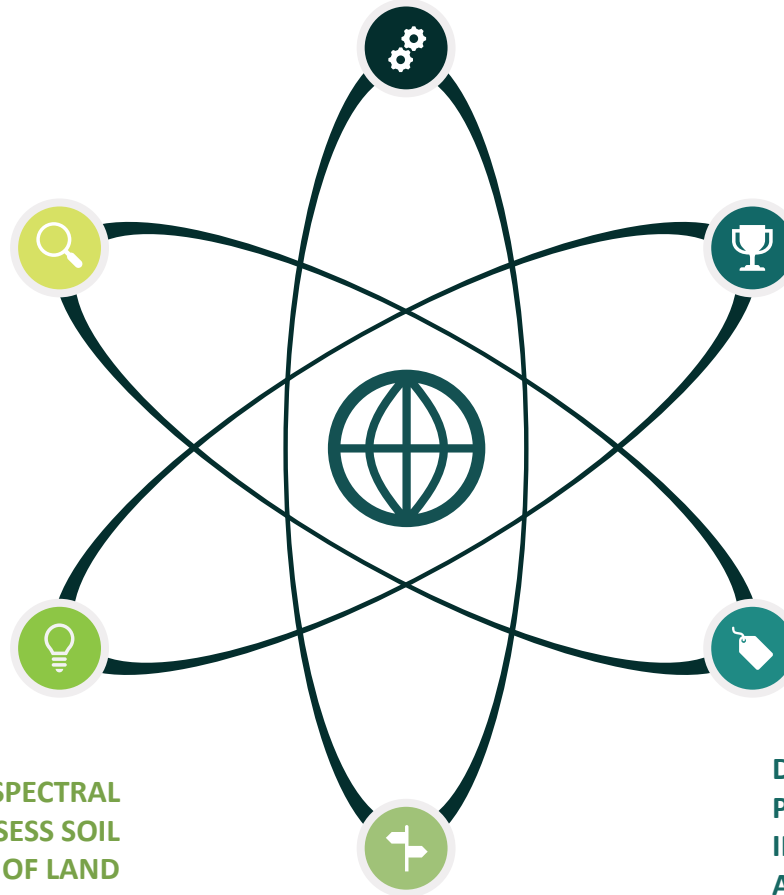
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No.870378.

DIONE OBJECTIVES

DEMONSTRATE TO A TRL7 THE CAPABILITIES OF COPERNICUS DIAS CLOUD PLATFORM, BUILDING EO-BASED MONITORING SYSTEMS FOR THE AUTOMATED MONITORING OF GREEN DIRECT PAYMENTS

DEVELOP AND DEMONSTRATE A -COMPLEMENTARY TO THE EO DATA- SYSTEM OF GROUND-BASED GEO-TAGGED PHOTOS

IMPLEMENT A LOW-COST SYSTEM BASED ON SPECTRAL SENSORS THAT ARE ABLE TO MEASURE AND ASSESS SOIL QUALITY AND QUANTIFY THE CURRENT LEVEL OF LAND DEGRADATION

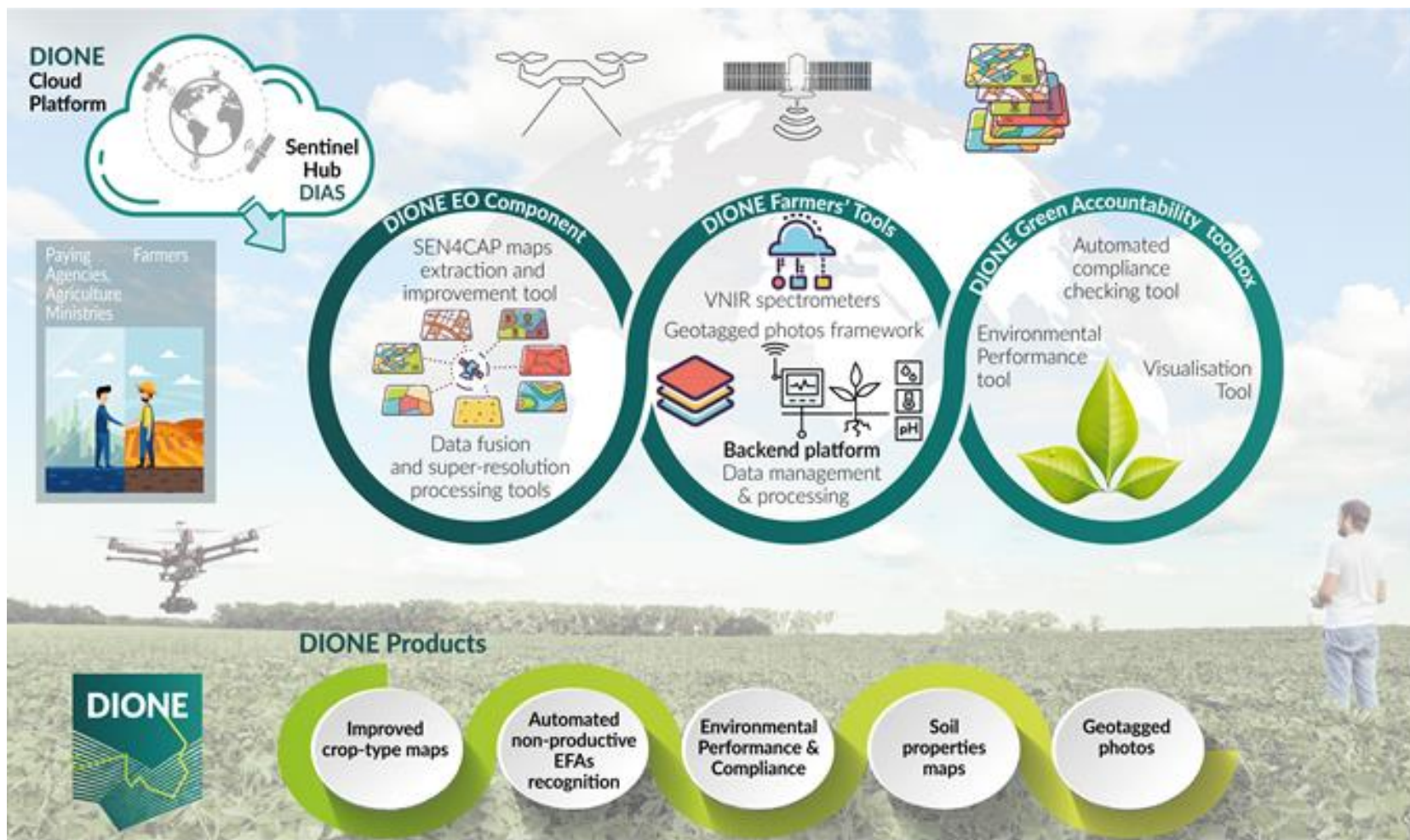


IMPROVE RESOLUTION OF FREE AND OPEN SENTINEL DATA; COMBINATION WITH HIGH RESOLUTION COMMERCIAL DATA, USING DATA FUSION AND SUPER-RESOLUTION TECHNOLOGIES SO THAT EFA TYPES OF INCREASED ENVIRONMENTAL IMPACT ARE CONSIDERED

INTEGRATE THE RESULTS INTO DIONE COMPLIANCE MONITORING TOOL ALLOWING TO MONITOR FARMERS' COMPLIANCE TO THE GREEN DIRECT PAYMENT SCHEME CONDITIONS

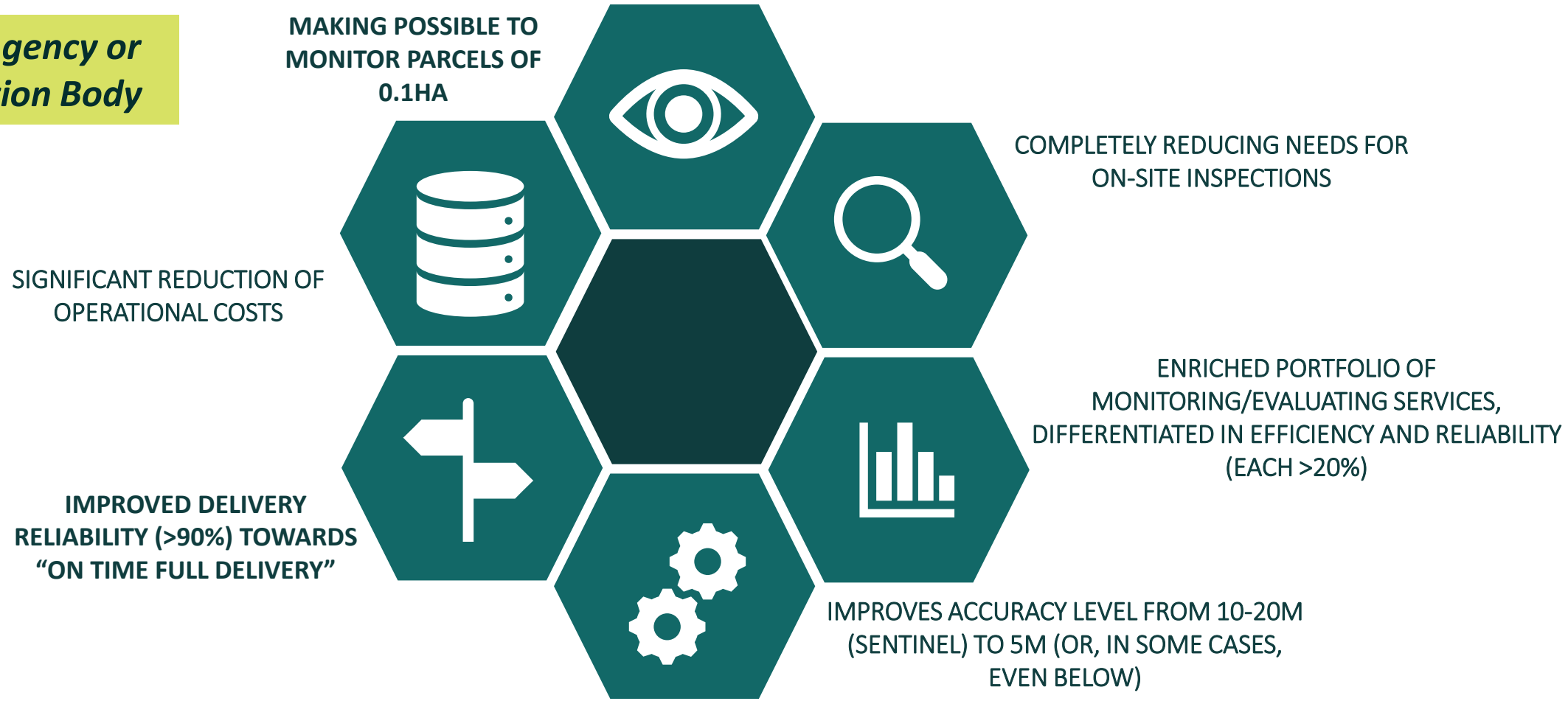
DESIGN AND IMPLEMENT AN ENVIRONMENTAL PERFORMANCE TOOL, EMPLOYING AN ML-BASED INFERENCE SYSTEM DEPLOYED ON REGIONAL AND/OR NATIONAL SCALES

DIONE CONCEPT



WHAT DIONE PROJECT BRINGS TO YOU ?

If you're Paying Agency or Control/Certification Body



WHAT DIONE PROJECT BRINGS TO YOU ?

If you're part of the EO industry



**ENABLES FORMATION
OF NEW PRODUCTS
AND SERVICES**



**SUPPORT DEVELOPMENT OF
COMMERCIAL PRODUCTS BY
USING COPERNICUS EO DATA**

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WHAT DIONE PROJECT BRINGS TO YOU ?

*If you're an EC institution or
Policy Maker*

**TOOLS FOR SIMPLIFIED AND
LESS EXPENSIVE MONITORING
OF AREA-BASED CAP PAYMENTS**



**MORE ACCURATE AND RELIABLE
ENVIRONMENTAL IMPACTS
ASSESSMENT OF THE CAP PAYMENTS**

WHAT DIONE PROJECT BRINGS TO YOU ?

If you're Farmer

**TOOL FOR LESS
ADMINISTRATIVE
COMPLIANCE CHECKS**

LESS FARM VISITS

**LESS STRESSFUL PROCESS
OF COMPLIANCE CHECKS**





WHAT DIONE PROJECT BRINGS TO YOU ?

If you're European Citizen

***A GAME-CHANGING INNOVATION THAT WILL PROVIDE REAL ACCOUNTABILITY
TO ENSURE THAT EUROPEAN TAXPAYERS' MONEY BEING SPENT ON
PRODUCTION OF SAFE AND HEALTHY FOOD IN HARMONY WITH ENVIRONMENT***

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DIONE INNOVATION POTENTIAL

**SUPER RESOLUTION
APPLIED ON OPEN
SENTINEL DATA SOURCES**

01



02

**TRUSTED, TAMPER-PROOF
GEOTAGGED PHOTOS
OBTAINED BY THE FARMERS**

**GREEN COMPLIANCE
TOOLBOX**

03



DIONE PILOTS

NPA



DIONE PILOTS

CAPO



DIONE IMPACT

ESTABLISH SUSTAINABLE SUPPLY CHAINS FOR INNOVATIVE EO VALUE ADDED PRODUCTS AND SERVICES WITH COMMERCIAL VALUE AND TARGETED CLIENT COMMUNITIES



DEMONSTRATE COMPLETE INTEGRATION INTO THE CUSTOMER'S EXISTING BUSINESS PROCESSES AND PROCESSING CHAINS, AS WELL AS THE ECONOMIC VIABILITY OF THE APPLICATION



ENHANCE EUROPEAN INDUSTRY'S POTENTIAL TO TAKE ADVANTAGE OF MARKET OPPORTUNITIES AND ESTABLISH LEADERSHIP IN THE FIELD



ESTABLISH SUSTAINABLE SUPPLY CHAINS FOR INNOVATIVE EO VALUE ADDED PRODUCTS AND SERVICES WITH INNOVATIVE TECHNOLOGY



LEAD TO NEW OR IMPROVED PRODUCTS, PROCESSES OR SERVICES ON THE MARKET, WHICH ARE CAPABLE OF GENERATING A SIGNIFICANT TURNOVER AND CREATING NEW JOBS



KEY EXPECTATIONS



DIONE ADVISORY BOARD

Bringing together relevant stakeholders that will



DIONE



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