



Digitalising the CAP to deliver the Green Deal Benefits of Digitalisation

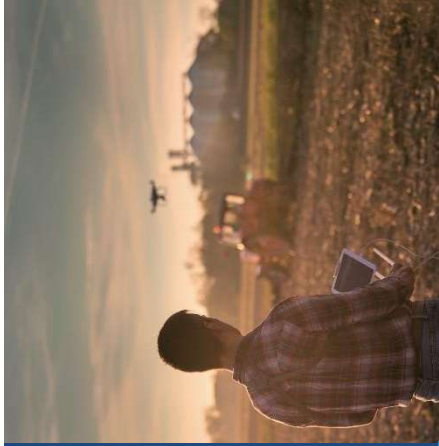
Fabio Slaviero, NIVA webinar – 10/11/2020



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ABACO

WE SUPPORT
 COMPETITIVENESS OF THE
 AGRI-FOOD, IMPROVING THE
 PROCESS TO PRODUCE
 MATERIALS WITH LESS
 WASTE AND IMPACT ON
 NATURAL RESOURCES



WE FOSTER
 SUSTAINABLE
 PRODUCTION WHILE
 CONSTANTLY
 MONITORING AGRO-
 ENVIRONMENTAL
 INDICATORS AND
 INNOVATING
 PRODUCTION PROCESSES



OUR DIGITAL SOLUTIONS

ARE BUILT TO ENSURE:

- SUSTAINABILITY
- TRACEABILITY
- PRODUCTIVITY
- PUBLIC AND PRIVATE FUNDS MANAGEMENT

CONTROL
 OF COSTS AND
 PRODUCTION
 FACTORS

1

ANALYSE
 AGRONOMICAL,
 ENVIRONMENTAL
 AND ECONOMICAL
 INDICES

2

MONITOR
 FARMING VIA
 SATELLITE AND
 FIELD / IOT
 SENSORS

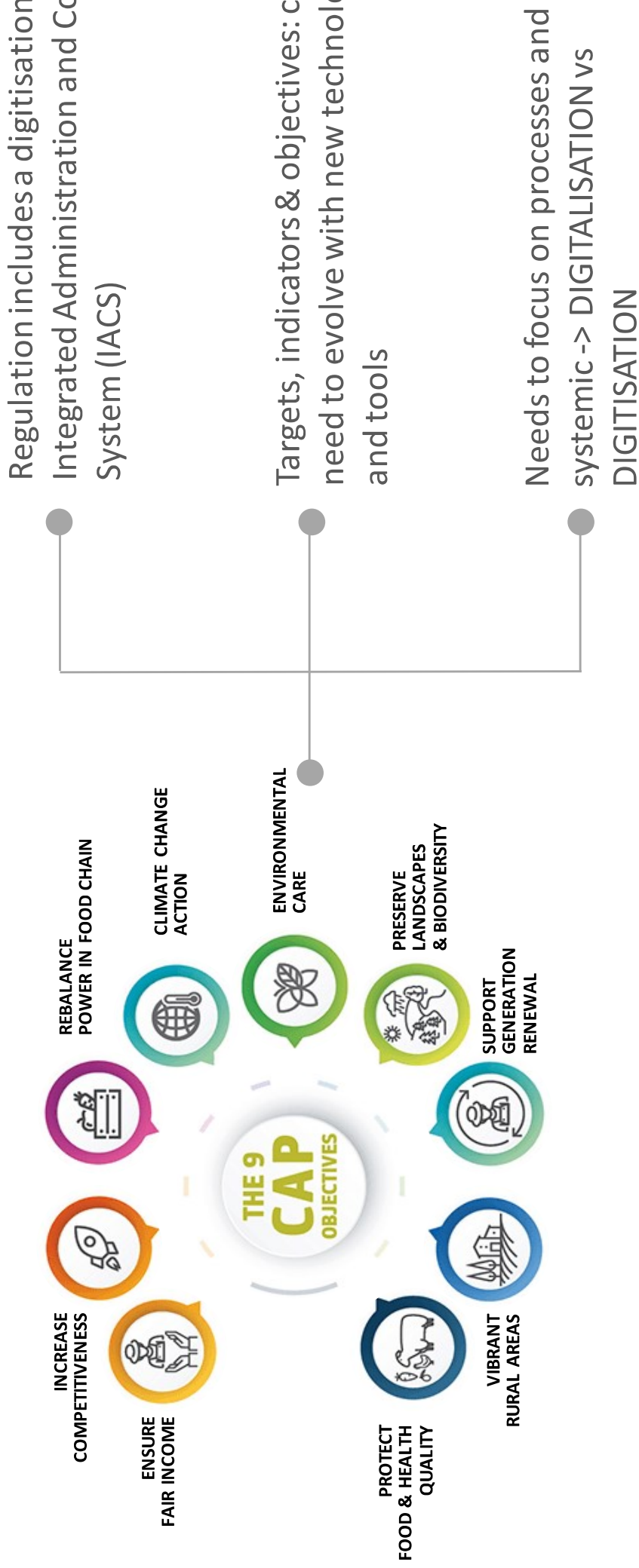
3

TRACK
 FARMING
 EQUIPMENT

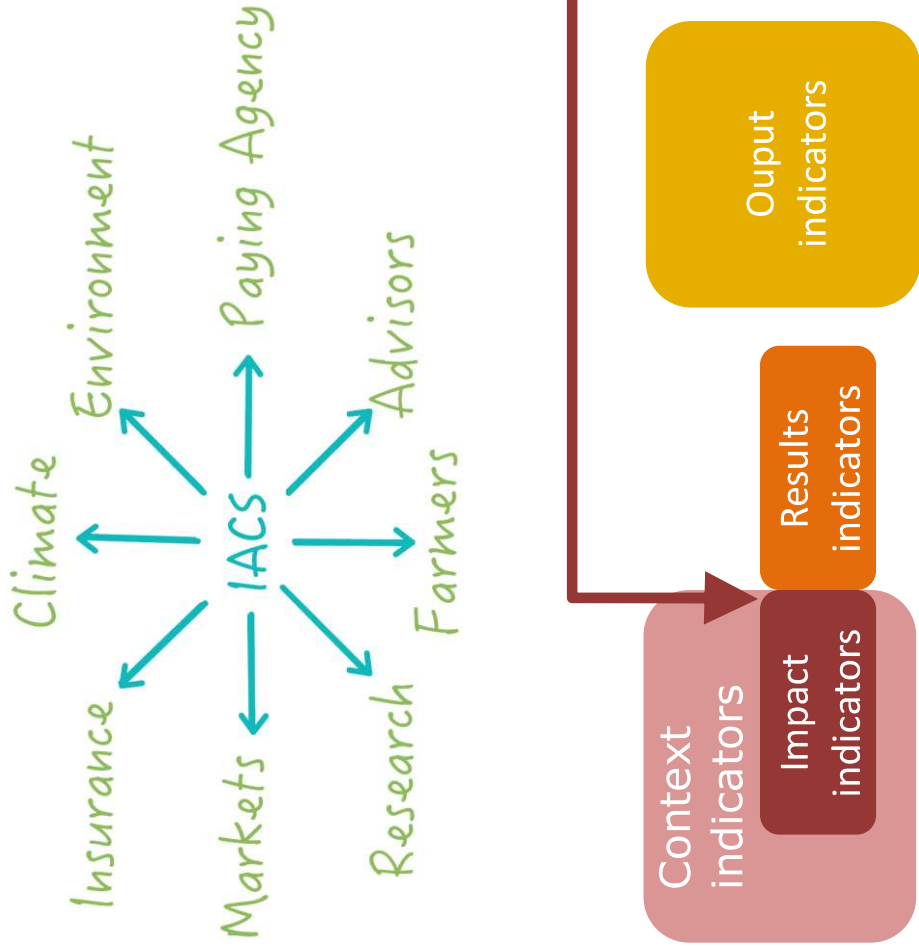
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CAP WAS BORN DIGITAL!



IACS TO ASSESS CAP PERFORMANCES AND MORE...



CAP DIGITALISATION AND THE GREEN DEAL

01



IACS Evolution

- Strategic Plan digitalisation
- Agricultural, Environmental and Economical indicators
- Harmonisation
- Automation
- Performance measurement
- Configuration

02



Green Deal (food) objectives

- Fair, system healthy and environmentally friendly food
- Preserve & restore ecosystems and biodiversity
- Zero pollution

03



2030 targets (food)

- Reduce chemical pesticides
- Reduce nutrient loss
- Reduce antimicrobials
- Increase organic production

LINKED: COMMON EUROPEAN AGRICULTURAL DATA SPACE

European Strategy for Data

- Give businesses the confidence and means to digitise
- Empower users to stay in control of their data
- Make data more widely available by opening up high-value publicly held datasets
- Businesses to innovate as a result of the data strategy

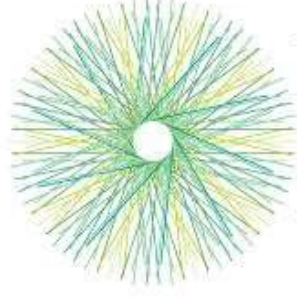


OTHER LINKED EU-LEVEL DIGITAL INITIATIVES

- EIP-AGRI
- Digital Innovation Hubs
- Connecting Europe Facility
- Smart Specialisation Platform (S3) Agri-food
- ICT-AGRI-FOOD
- FADN to FASN – Farm Accountancy Sustainability Network
- ...and many H2020 projects



European
Commission



eip-agri
AGRICULTURE & INNOVATION

#CEF2dig

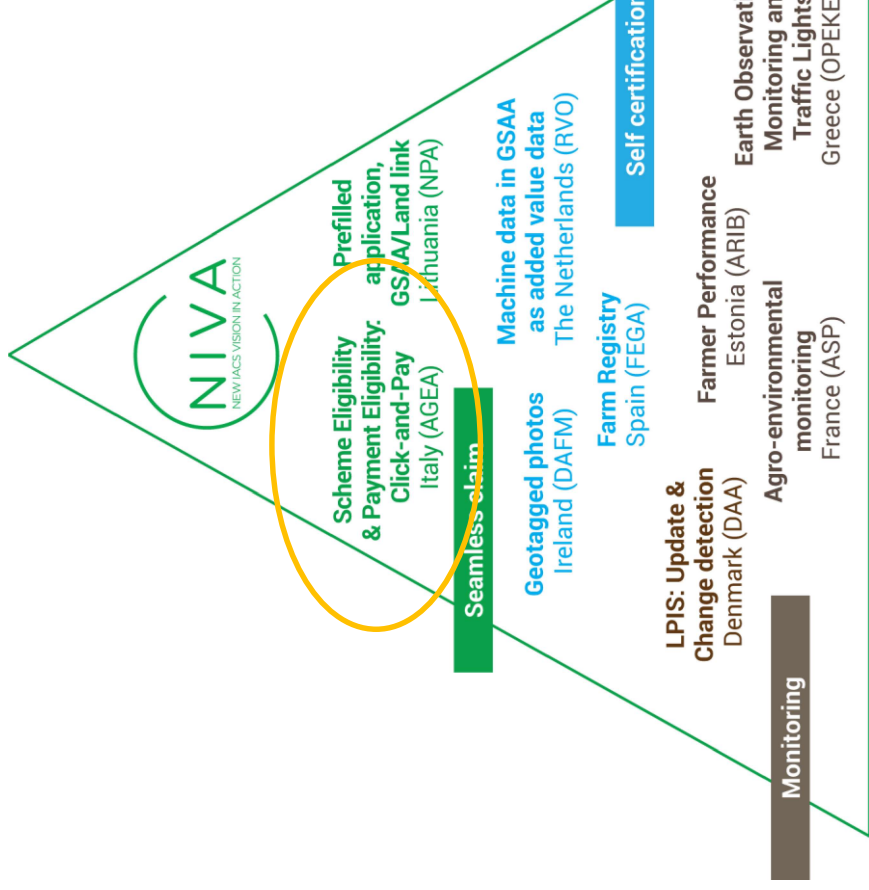


NIVA DIGITALISATION USE CASES

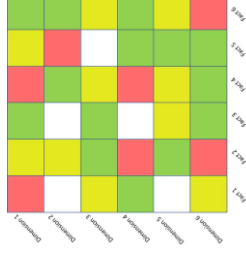
NIVA Use Case 5b: “Click-And-Pay”

Disrupting the CAP application process... through DIGITALISATION

“Automating CAP interventions and exploiting IACS data to deliver a payment to farmers without filling any forms”



[1] NIVA CLICK-AND-PAY: SEAMLESS CAP INTERVENTIONS



Expression of Interest

- Express Interest to receive funding
- Payment based on measurable performance
- No application, no sanction

Smart Rule Engine and Indicators

- Rule Engine with CAP business logic
- Automated checks by monitoring
- Easy Management of interventions and indicators of EU and National Strategic Plans
- Any indicator (agronomical, environmental, economical, social)

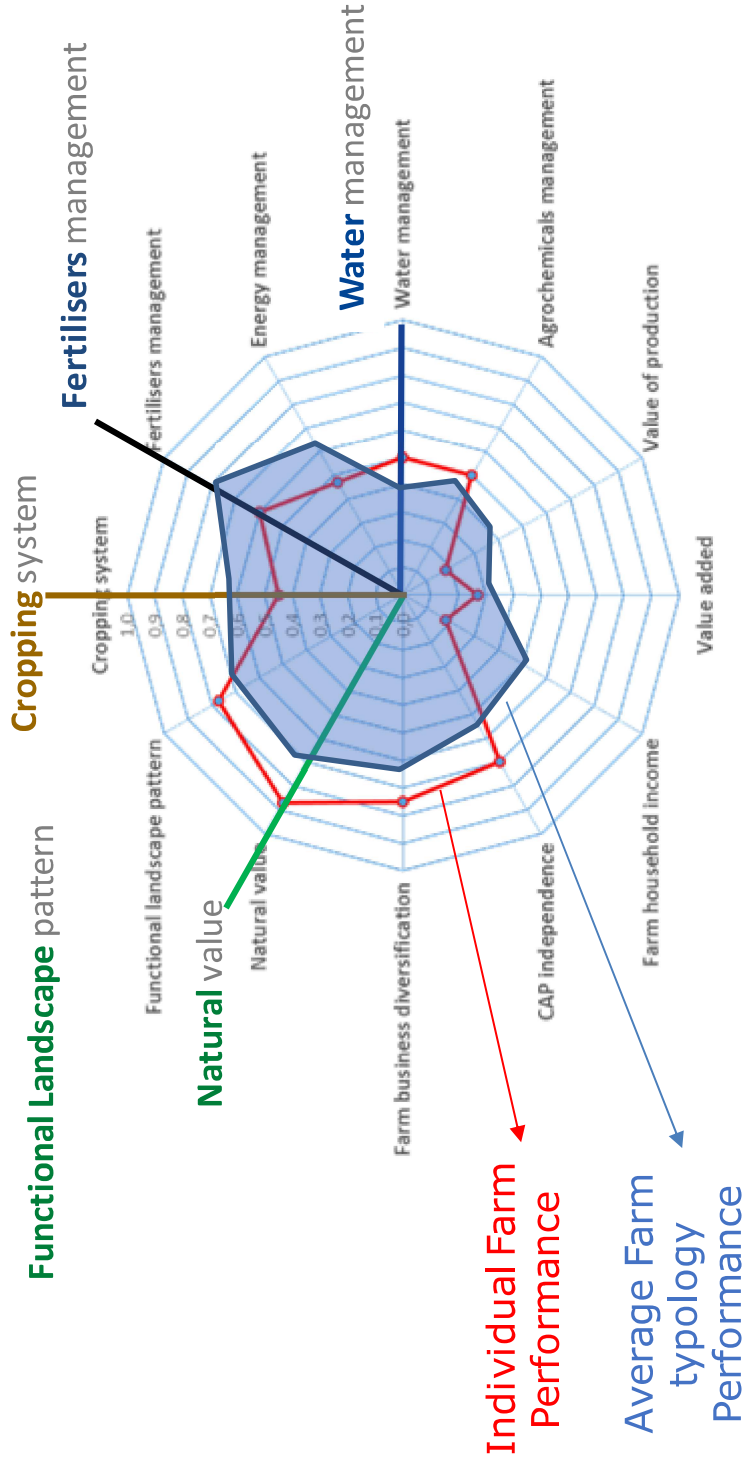
Payment

- Smart and automated p



[2] ECO-SCHEMES: REWARD FARM PERFORMANCES

See **SOSTARE**



Digitalisation

- easy to use by farmers
- easier to target advice
- easier to identify weaknesses and define action plans
- do more, pay more



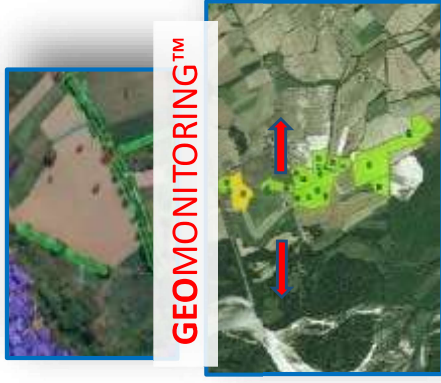
With courtesy of: **Joint Rese**

[3] ECO-SCHEMES: SCORING BIODIVERSITY

1. Know land tenancy

2. Know connected semi-natural elements

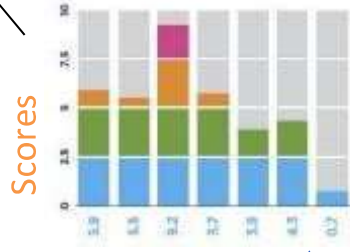
Structure



1. Farmer report species diversity and activities

2. Hedge tree species composition
Native vs alien or cultivated

Natural value

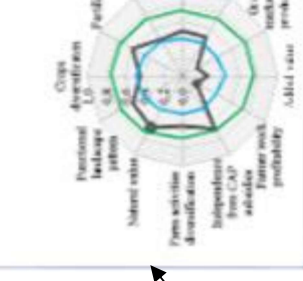


Overall score



Perform
Benchmark
Evolution over
time

Advice
Action
Give Re



With courtesy of:



Joint Rese

THANK YOU




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