

A mobile tool made available by Member States to all CAP beneficiaries

WHAT

ROLLOUT

WHY -2
Simplification and digitalisation

WHY -1
EU-wide reduction of diffuse pollution from nutrients beyond the traditional compliance model

FaST

The Farm Sustainability Tool for Nutrients

CONDITIONS FOR SUCCESS



A farmer wearing a blue jacket, grey cargo pants, and black boots stands in a lush green field. He is holding a black smartphone in his right hand and a silver and orange sensor tool in his left hand. The tool has a circular base on the ground and a vertical pole with a handle. The background is a vast field of tall grass under a clear sky.

WHY - 1

EU-wide reduction of diffuse pollution from nutrients beyond the traditional compliance model

FaST use by all CAP beneficiaries will provide the scale needed for EU wide positive environmental impact on diffuse pollution from agricultural nutrients


Buy-in and environmental gains *not* through new obligations, but through incentives and conditions for practices and behavioural changes that make sense also from an economic point of view

The farmer will activate the tool and provide necessary data entry, but will not be subjects to control/inspections on actual follow-up of instructions provided by the application.


Reduction of inputs and less nutrient leakage to water will come from the reliable win-win (agronomic/environmental) instructions provided by the tool.



FaST use by all CAP beneficiaries will provide **the scale** needed for **EU wide positive environmental impact** on diffuse pollution from agricultural nutrients

A person wearing a dark blue jacket and grey cargo pants is standing in a green field. They are holding a long, thin metal rod vertically, which is part of a soil sampling tool. The tool has a yellow handle and a blue circular base. The person is looking down at the tool. The background is a lush green field.

Buy-in and environmental gains **not through new obligations**, but through incentives and conditions for practices and **behavioural changes** that make sense also from an economic point of view

A farmer wearing a dark blue jacket, grey cargo pants, and brown boots is using a soil sampling tool in a green field. The tool has a yellow handle and a blue base. The farmer is holding the handle with their right hand. The background is a lush green field.

The farmer will **activate the tool and provide necessary data entry**, but will not be subjects to control/inspections on **actual follow-up of instructions** provided by the application.

Reduction of inputs and less nutrient leakage to water will come from the reliable **win-win (agronomic-environmental)** instructions provided by the tool.

WHY -2

Simplification and digitalisation

Data entry by farmer and data input duplication reduced to minimum - automatic data integration (IACS, LPIS, but also other databases and public records).

Simplification and clarification of farmer's tasks through incorporation of relevant legal limits and obligations.


Two-way communication between PA/MAs - allowing for direct communication to the farmer's device.

- Farm data returned to the farmer, accessible any time on mobile device;
- Improved statistics/monitoring on EU-supported interventions, with adequate data anonymization and protection;
- Modularity and interoperability, catalysing innovation and the development of digital services for the farming sector from the entire Agricultural Knowledge and Innovation System (AKIS).



A farmer wearing a red and blue vest and grey cargo pants stands in a green field. He is holding a black smartphone in his right hand. In the foreground, a yellow sensor is mounted on a silver pole. The background shows a line of trees under a cloudy sky.

Data entry by farmer and data input duplication reduced to minimum - automatic data integration (IACS, LPIS, but also other databases and public records).

A farmer wearing a red and blue long-sleeved shirt and grey cargo pants stands in a green field. He is holding a black smartphone in his right hand and a surveying instrument with a yellow base and a grey pole in his left hand. The background shows a line of trees under a cloudy sky.

Simplification and clarification of farmer's tasks through incorporation of relevant legal limits and obligations.

A person wearing a blue shirt and grey cargo pants is standing in a green field. They are holding a black handheld device in their right hand and a silver probe with a black handle in their left hand. The probe is inserted into the ground. The background is a dense field of green grass.

**Two-way communication
between PA/MAs – allowing
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- **Farm data returned to the farmer**, accessible any time on mobile device;
 - **Improved statistics/monitoring** on EU-supported interventions, with adequate data anonymization and protection;
 - **Modularity and interoperability**, catalysing **innovation and the development of digital services** for the farming sector from the entire Agricultural Knowledge and Innovation System (AKIS) .

WHAT

A **mobile tool** made available by Member States to all CAP beneficiaries

Starting from a functional Nutrient Management Planning core

Visualising the LPIS farm boundaries and other existing information (soil analysis data, satellite imagery etc.) in user-friendly customisable layers

Providing farm-tailored operational advice to farmers based on inputted data

Including a messaging component -> Two-way farmer-PA/MA communication

Open source and able to integrate further modules/apps/widgets (e.g. emissions or pesticides management modules)

On-farm landing spot for third-party digital services (precision farming etc).



A man wearing a blue vest over a red long-sleeved shirt is standing in a green field. He is holding a smartphone in his right hand and a small black device in his left hand. The background shows a line of trees under a cloudy sky.

**Starting from a functional
Nutrient Management Planning
core**

A man wearing a blue vest over a red long-sleeved shirt is standing in a green field. He is holding a smartphone in his right hand and a thin white stick or probe in his left hand. The background shows a line of trees under a cloudy sky.

Visualising the LPIS farm boundaries and other existing information (soil analysis data, satellite imagery etc.) in user-friendly customisable layers

A farmer wearing a red long-sleeved shirt and a blue vest is standing in a green field. He is holding a smartphone in his left hand and a yellow sensor probe in his right hand. The background shows a line of trees under a cloudy sky.

satellite imagery etc.) in user-friendly customisable layers

Providing farm-tailored operational advice to farmers based on inputted data

Including a messaging component -> **Two-way farmer-PA/MA communication**

Open source and **able to integrate further modules/apps/widgets** (e.g. emissions or pesticides management modules)

A man in a blue and red vest is standing in a green field, holding a smartphone. A yellow sensor is visible on the ground in the foreground. The background shows a line of trees under a cloudy sky.

**On-farm
landing spot
for third-
party digital
services
(precision
farming etc).**

ROLLOUT

A demonstrator FaST and its documentation, as well as an outline of an overall IT architecture supporting the functionalities of this tool for the MS will be made available by the European Commission early 2019. This would provide a level-playing field for all MS.


Member states that do not have any such system in place may develop one. They have the choice to start from, adapt and localise the FaST demonstrator tool provided by the European Commission or to develop one of their own.

MS having already developed similar tools will make any necessary adjustments to ensure compliance with the minimum requirements and functionalities indicated in Annex III of the CAP Plan Regulation.

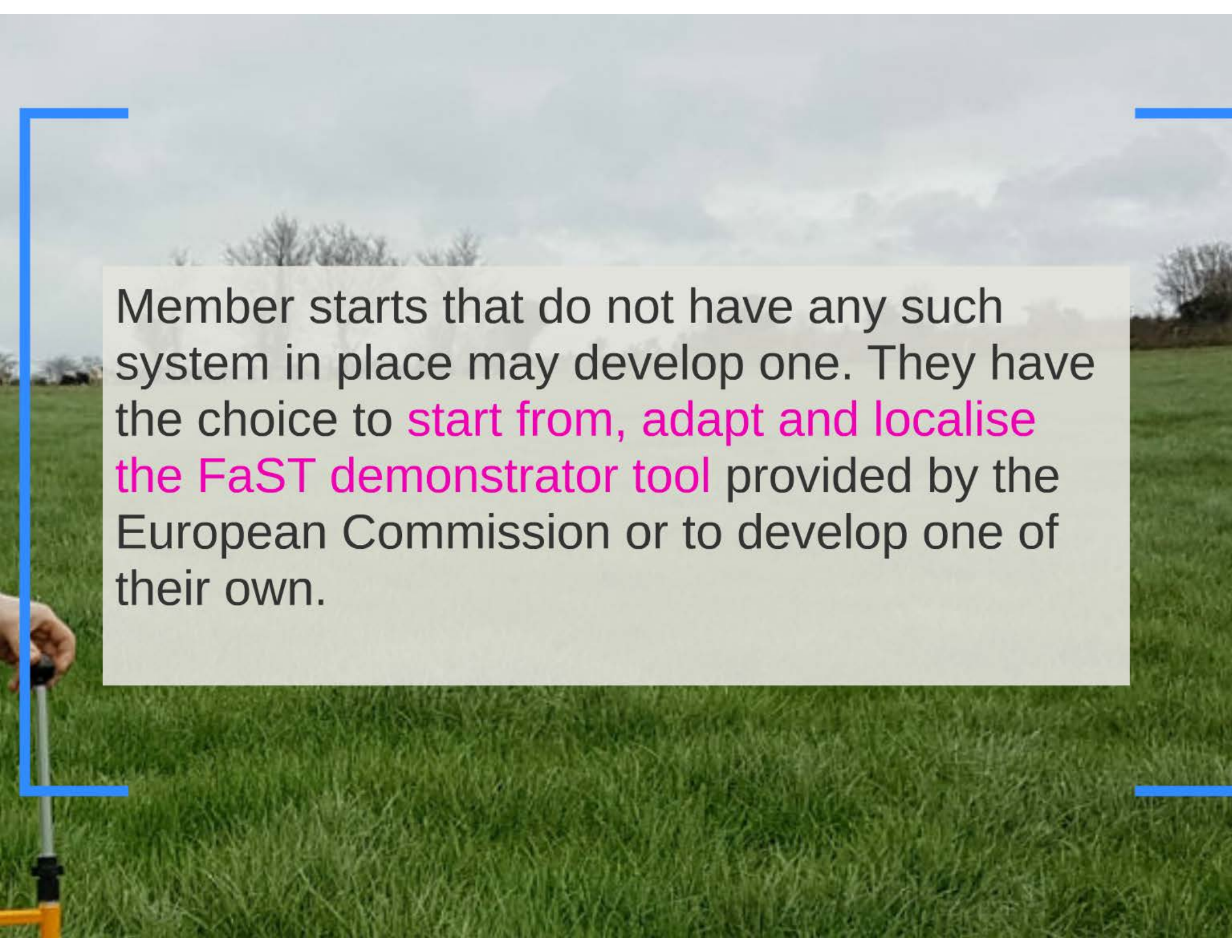
Need for strong Advisory services support;
Targeted, sustained preparatory communication actions (European Union, MS and local level);
MS actions consistent with the timing for post-2020 CAP implementation



A demonstrator FaST and its documentation, as well as an outline of an overall IT architecture supporting the functionalities of this tool for the MS will be made available by the European Commission early 2019. This would provide a level-playing field for all MS.

A person's hand is visible on the left side, holding a yellow surveying instrument. The background is a green grassy field with trees in the distance under a cloudy sky. A white text box with a blue border is overlaid on the image.

MS having already developed similar tools will make any necessary **adjustments to ensure compliance** with the minimum requirements and functionalities indicated in **Annex III** of the CAP Plan Regulation.

A person's hand is visible on the left, holding a surveying instrument (likely a total station or similar) in a grassy field. The background shows a line of trees under a cloudy sky. The text is overlaid on a semi-transparent white box in the center.

Member states that do not have any such system in place may develop one. They have the choice to **start from, adapt and localise the FaST demonstrator tool** provided by the European Commission or to develop one of their own.



Need for strong **Advisory services** support;

Targeted, sustained preparatory **communication actions** (European Union, MS and local level);

MS actions consistent with the timing for post-2020 CAP implementation