



FAIRWAY Dissemination & Communication Strategy

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**Foundation for Sustainable
Development of
Mediterranean (MEDES)**

*Date: 2 November 2020
Version: 3
Series: Deliverables*

Deliverable 8.1

*This report was written in the context of the
FAIRWAY project*

www.fairway-project.eu



DOCUMENT SUMMARY	
Project Information	
Project Title	Farm systems that produce good water quality for drinking water supplies
Project Acronym	FAIRWAY
Call identifier	H2020-RUR-2016-2
Topic	RUR-04-2016 Water farms – improving farming and its impact on the supply of drinking water
Grant agreement no	727984
Dates	2017-06-01 to 2021-05-31
Project duration	48 months
Website addresses	www.fairway-project.eu www.fairway-is.eu
Project coordination	Stichting Wageningen Research, NL
EU project representative & coordinator	Lara Congiu (REA)
Project scientific coordinator	Gerard Velthof
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Deliverable information	
Title	FAIRWAY Dissemination & Communication Strategy
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Author email	cjanebrandt@gmail.com
Deliverable number	8.1 v3 (November 2020)
Workpackage	8
WP Lead	MEDES
Type and dissemination level	Report (Public)
Editor	Gerard Velthof
Due date	January 2018
Publication date	January 2018
Copyright	© FAIRWAY project and partners

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1 ORIENTATION

(The headings in this section are those listed in the IPR Helpdesk's Fact Sheet "The Plan for the Exploitation and Dissemination of Results in Horizon 2020" July 2015)

1.1 WHAT KINDS OF NEEDS DOES THE PROJECT RESPOND TO?

(sources: FAIRWAY GA Part B 1.1 Objectives, Project leaflet)

Safe drinking water is vital for human health and the economy. However, throughout the EU, diffuse pollution by nitrogen and pesticides from agriculture is the main obstacle to meeting drinking water quality targets. Policies to protect drinking water resources are not achieving a consistent level of implementation and effectiveness across all member states.

The productivity of agriculture in the EU has greatly increased over recent decades, due to the availability of fertilisers and pesticides, which have boosted crop production and, indirectly, animal production. However, these increased inputs of fertilisers, pesticides and manures to agricultural soils have also led to increased losses to the environment and thereby contributed to the pollution of ground and surface water.

To address this issue, the EU has developed an extensive set of directives, guidelines and policies. The requirements of the Drinking Water Directive (DWD) set an overall minimum quality for drinking water within the EU. The Water Framework Directive (WFD), Groundwater Directive (GWD), Nitrates Directive (ND) and the Directive on the Sustainable Use of Pesticides (PD) require Member States (MS) to protect drinking water resources against pollution in order to ensure that it is safe.

However, regulations arising from these directives are not achieving a consistent level of implementation and effectiveness across all MS. The DWD particularly regulates large water suppliers, but about 65 million people are served by small suppliers, often located in rural and remote areas where monitoring and reporting on water quality is not mandatory, and adequate protection and treatment facilities are often missing. Consequently, many areas still have vulnerable water resources where limits for nitrate (50 mg/l) and pesticides (0.1 µg/l) content are still exceeded.

EIP Water identified 'inconsistency and fragmentation of policies, regulations and governance structures' as 'low hanging fruit' in the development of the sector. At the same time, there is a movement away from top-down management of water issues by national governments towards governance approaches at regional/local levels with all relevant actors involved. However, it is unclear what specific governance arrangements and regimes, under what circumstances, will result in better ground and surface water quality.

1.2 WHAT KINDS OF PROBLEM WILL THE PROJECT SOLVE AND WHY THIS SOLUTION IS BETTER THAN EXISTING ONES?

(sources: FAIRWAY GA Part B 1.1 Objectives; 1.3.4 Overall approach and methodology)

Within the EU there is a huge diversity in farming systems, climate, geomorphology, hydrology, soils, education level of farmers, quality of extension services and type of water supplies. This means that site-specific measures and good practices are required to decrease nitrate and pesticide pollution of drinking water resources. Various measures and good practices have been developed and partly implemented at a farm level. In some cases and regions, measures and practices have been successful, especially on the so-called 'early adaptors' or 'frontrunner' farms. However, to step up from 'proof of concept' at farm level to a durable and long-lasting implementation at regional level requires additional approaches and engagement of more regional actors. Coherent, but site-specific packages of measures are needed. However, the critical success factors that determine the effectiveness of these measures on a site by site basis are not well-known.

Additionally, it has been recognized that a number of EU environmental directives (e.g., DWD, WFD, ND, PD) and the Common Agricultural Policy could be better integrated when focusing on the protection of drinking water resources.

FAIRWAY's basic premise is that safe drinking water is a result of multi-actor, multi-sector and multi-level efforts and that solutions to the problems of nitrate and pesticide pollution can be found by taking a four-pronged approach.

- Firstly, using experience and evidence from 13 case study sites in 11 countries, tools and measures to mitigate nitrate and/or pesticide pollution from agriculture will be analysed and assessed in multi-actor settings (actors include local farmers, land managers and citizens, ministries at national/regional level and supra-national organisations). The views of the actors on the success and failure factors of drinking water protection programs will be obtained. The capability, ability and willingness of farmers and land managers to implement drinking water protection programs will be analysed and assessed.
- Secondly, in areas of vulnerable drinking water resources there will be a thorough and integrated analysis of initiatives that have been launched to diminish diffuse pollution. The success and failure factors (social, legal, technical, environmental) will be analysed bringing added value to these cases through innovative approaches to support farmers, exchange and improve existing farmer advice tools.
- Thirdly, site-specific management tools, measures and good practices, indicators for monitoring and communication tools will be developed, taking into account variation across different pedo-climatic zones.
- Fourthly, different governance approaches (ranging from central- to interactive- to self-governance) will be identified, evaluated and further developed. Together with the actors, the critical environmental factors for these approaches will be identified, as well as the mix of suitable communicative, economic and regulatory instruments and practical indicators to monitor effective governance.

FAIRWAY will extract lessons learned from the case studies, literature and other projects to identify success and failure factors for wide-ranging and long-duration implementation of cost-effective mitigation options. The effects, costs, and benefits for society of preventive and curative measures will be analysed in a harmonized approach. Consequences for farmers' income will be calculated. Measures will be evaluated from a proof of concept at the level of an individual farm to the scale of capture zones / recharge areas of drinking

water supplies, with focus on evaluation of the social, economic and technical barriers to the effective implementation.

1.3 WHAT NEW KNOWLEDGE WILL THE PROJECT GENERATE?

(source: GA Part B 1.1 Objectives)

FAIRWAY will generate:

- i) increased scientific understanding of the relationship between agriculture and drinking water protection;
- ii) increased understanding of the barriers to practical implementation of protection measures, delivering innovative measures, tools and instruments to overcome these barriers;
- iii) harmonized monitoring protocols and data-sets for monitoring key farming practices and water quality;
- iv) effective governance approaches, and
- v) increased awareness and involvement of farmers and other citizens in improving drinking water quality.

1.4 WHO WILL USE THE RESULTS?

(source: GA Part B 2.2.1 Dissemination and exploitation of results)

The target audiences for FAIRWAY's key messages include individuals and organisations from the local to European level, from the scientific community to the general public. Representatives from each of these groups will be included in the multi-actor platforms.

- Local level - the most important users of the project's results are the people who implement measures to reduce nitrogen and pesticide contamination. They include farmers, land users, farm advisory services, water companies and authorities. An important part of the dissemination effort will focus on these groups through the multi-actor platforms. These activities will be crucial to the improved utilization of decision support tools.
- Regional and national level - project and case study partners at regional and national levels will identify actors to invite to events in the case study sites and be presented with relevant project outputs and information. These will include amongst others the following:
 - policy makers, water bodies, authorities, environment agencies and regulatory bodies;
 - national level relevant institutions and networks concerned with drinking water protection;
 - professionals (engineers) and practitioners (land managers, users, and consultants) and their respective representative bodies (farmers unions / agricultural chambers);
 - water companies and industries, especially those focussing on agricultural inputs such as fertiliser and pesticides; and
 - intermediary, advisory, and NGOs.
- European level - European policy makers concerned with agriculture and water quality. Specifically these include: DG Environment, DG for Agriculture and Rural Development, and DG Research. Other target audiences are the European Innovation Partnership (EIP) for 'Agricultural Productivity and Sustainability', farming organisations such as Copa-Cogeca and the farm advisor organisation EUFRAS.
- Scientific community.
- Public.

1.5 WHAT BENEFITS WILL BE DELIVERED AND HOW MUCH BENEFIT?

(Source: GA Part B 2.1 Expected impacts)

FAIRWAY expects to deliver the following.

- Good cooperation between actors on pesticides, fertilisers and irrigation management practices capable of reducing point source and diffuse pollution in different contexts.
- Harmonised datasets on pesticide and fertiliser contamination of drinking water resources.
- Greater involvement of farmers and other citizens in the monitoring of water quality.
- Water governance models that are more conducive to the adaptation and long-term durability of efficient on-farm and land use strategies.
- Integrated scientific support for relevant EU policies (e.g. CAP, WFD, ND, PD, Fertiliser regulation).

As a result, the following environmental and societal benefits should also accrue.

- Sufficient drinking water of high quality for human consumption.
- Improved surface water quality will also improve aquatic biodiversity and increase the quality of water for recreation and swimming.
- Lower use of fertilisers and pesticides will result in higher resource efficiency and lower greenhouse gas emissions.
- Improved soil quality.
- Increased understanding of citizens of the issues that play a role in the supply of high quality drinking water.
- Cost-effective measures for mitigation of water pollution and cheap water monitoring tools and indicators will result in increased cost-efficiency in drinking water protection.
- Good cooperation between all the actors resulting in reductions in point source and diffuse pollution.
- Better understanding of the role of gender in drinking water protection.

1.6 HOW WILL END USERS BE INFORMED ABOUT THE GENERATED RESULTS?

(source GA Part B 2.2.1 Dissemination and exploitation of results)

A range of different material will be prepared to inform end users about the projects results:

- scientific publications;
- summaries of and extracts from the project deliverables;
- flyer/s or leaflets summarising the principal aims and objectives of the research;
- a series of videos and infographics explaining different key messages;
- press releases;
- policy briefs.

This material will be disseminated through a variety of channels including:

- two websites, each one with a different function and target audience;
- social media (Facebook Page, Facebook Groups, Twitter, YouTube);
- scientific media (peer-reviewed journals, LinkedIn, ResearchGate);
- regular newsletter.

2 VISUAL IDENTITY

The purpose of establishing a distinctive visual identity for FAIRWAY is to ensure the consistent, memorable, attractive visual presentation of all the information products delivered as part of the project.

2.1 LOGOS, BACKGROUND IMAGE AND COLOURS

2.1.1 Logo

The droplet-shaped logo can be used with or without the project name and extended title.



2.1.2 Background image

The background image is used as a banner on Facebook, Twitter, YouTube and on posters.



2.1.3 Colours

Colours used in the logo are:

- Blue: #5AA3CE
- Dark Green: #1E882E
- Light Green: #8BB93D
- Brown: #3E2E21

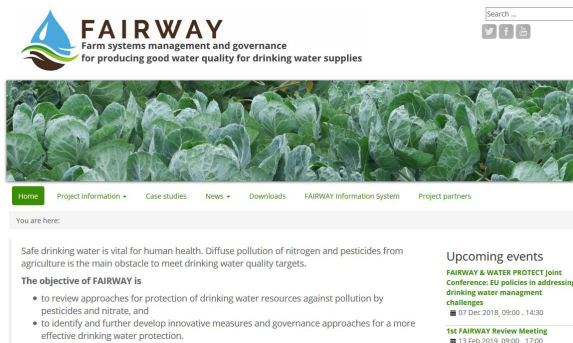
2.1.4 Fonts

Fonts (not strictly prescribed).

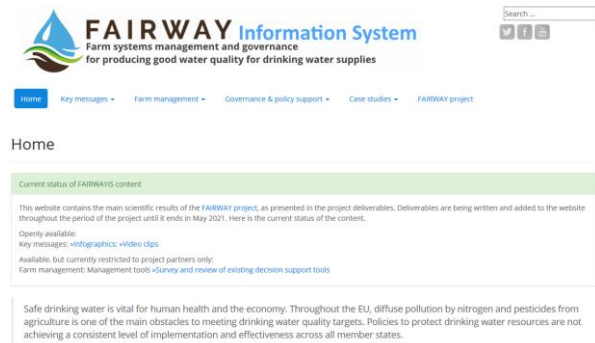
- Raleway (where available) for headings
- Calibri or Arial for documents and presentations

2.2 EXAMPLES OF THE USE OF DESIGN ELEMENTS AND COLOURS IN DIFFERENT DISSEMINATION AND COMMUNICATION PLATFORMS AND MEDIA

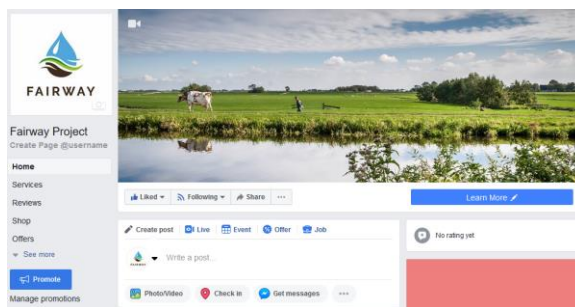
FAIRWAY Project website home page



FAIRWAYiS website home page



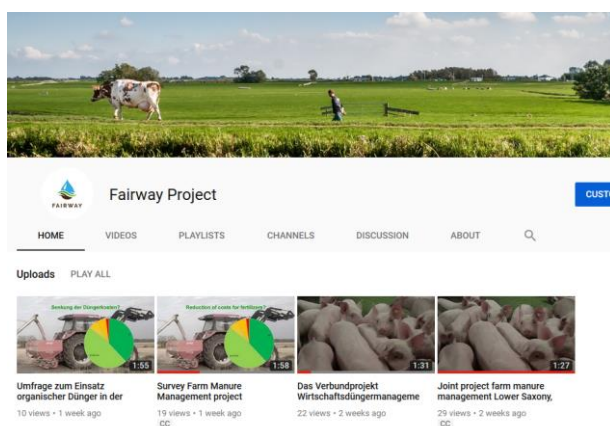
FAIRWAY Facebook Page



FAIRWAY Twitter



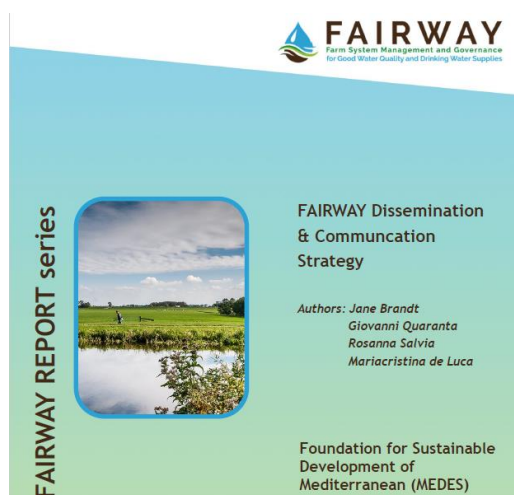
FAIRWAY YouTube channel



Templates for infographics



Report template



Presentation template



Infographic, document and presentation templates are available for the partners to download from the project website and can be adapted as necessary.

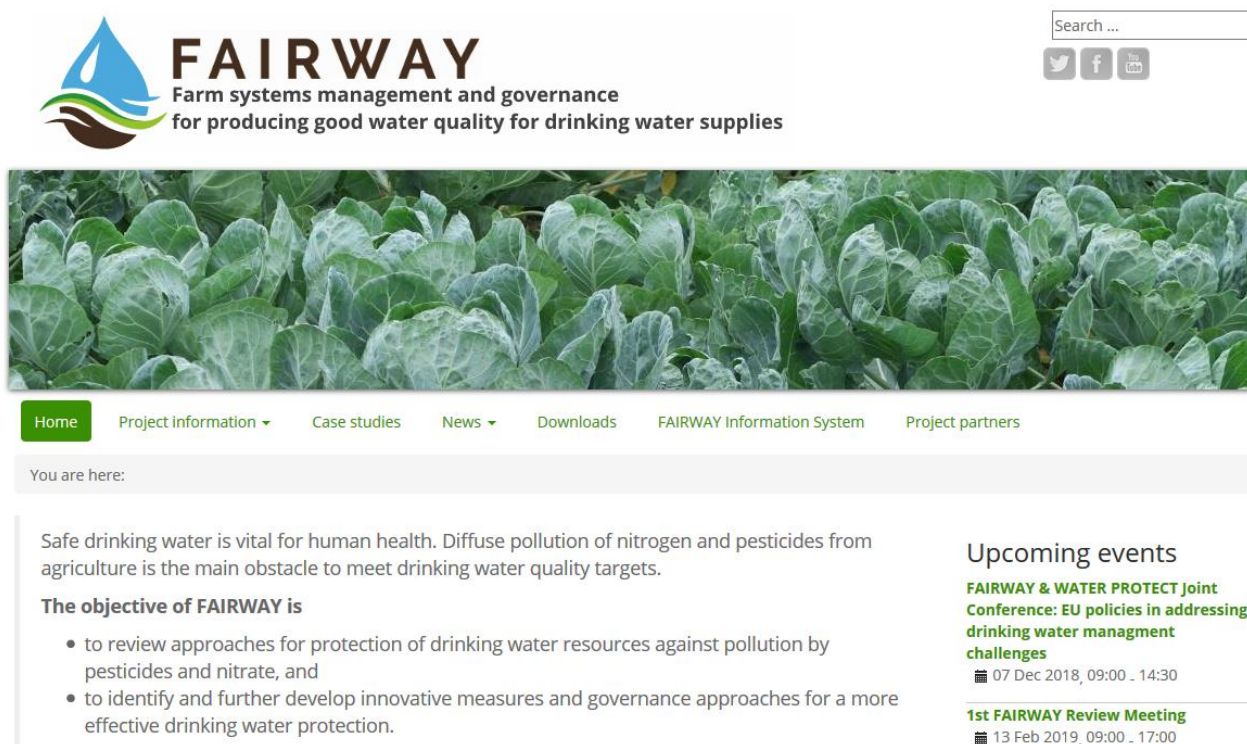
3 DISSEMINATION CHANNELS

3.1 WEBSITES

FAIRWAY has two websites, each one with a different function and target audience. The project site is concerned with the organisation and running of the project while the information site contains and explains the results. The project site will initially be the more important of the two. The two websites are linked.

3.1.1 FAIRWAY project site

www.fairway-project.eu



For the first year or so the FAIRWAY project website will be the main source of information about the project to our public audiences. It contains

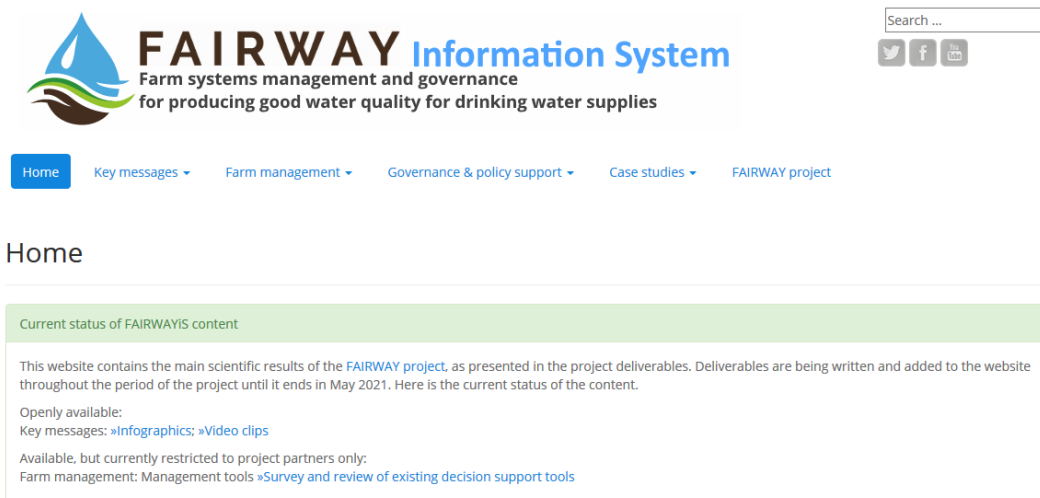
- Essential information about the project, partners, funding, work packages, study sites
- News, newsletter, forthcoming events
- Public documents – project leaflet, infographics, press releases

Its second function is to be the place that partners will go to when they need resources such as:

- copies of the project logo, document and presentation templates
- meeting presentations
- restricted documents such as deliverables
- current email address list for partners
- information relating to project planning

3.1.2 FAIRWAY Information System

www.fairway-is.eu



The FAIRWAY Information system is the major dissemination product of the project and the long-term repository of the results. Most of the content will come from the project deliverables which will be edited to tell a coherent story about the measures and governance that can be used to protect drinking water from contamination, and to provide that story in different levels of detail and in different formats. It will be the most comprehensive source of information for all our target audiences.

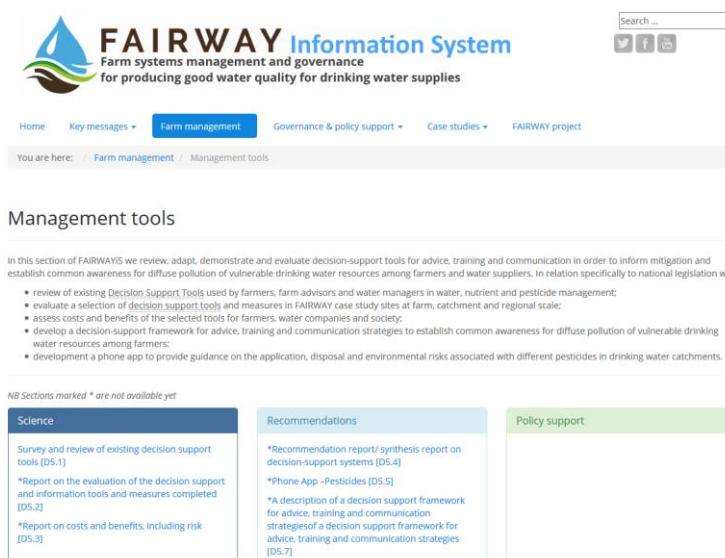
Content is grouped in two broad thematic categories

- Farm management
- Governance & policy support

A third category provides case study specific information

- Case studies

Each category has subsections that correspond to the work packages and, within each subsection, the work package deliverables have been grouped into those that advance scientific understanding, make practice recommendations or provide policy support.



Each deliverable is introduced by an executive summary followed by (typically) about 8-10 short articles dealing with scientific principles, experimental methods and case study examples in more detail.

Survey and review of existing decision support tools

Main authors: F.A. Nicholson, J.R. Williams, R. Cassidy, D. Doudy, A. Ferreira, A. Janssen, B. Kaste, S. Langen, R. K. Laurson, P. Schipper, H. Sunjki, L. Tondler, J. van Vliet and K. Verloop
 Editor: Jane Brandt
 Source document: Nicholson, F.A. et al. (2018) Survey and Review of Decision Support Tools, FAIRWAY Project Deliverable 5.1 166 pp.

This section is currently restricted and is only visible to project partners who have logged in.

This section of FAIRWAY contains a comprehensive overview of decision support tools (DSTs) used by farmers, farm advisors, water managers and policy makers in the EU for water, nutrient and pesticide management. It encompasses expert-based guidelines, farm-level software and web-based apps, and complex models intended for research studies. The overall purpose of the review was to identify a subset of DSTs that could be further assessed by the multi-actor platform project leaders for their potential suitability in managing water quality within the case study catchments of the FAIRWAY project (small-scale platforms).

Structured searches of the scientific literature largely returned details of research-based modelling tools; therefore the unique combination of expert and practical experience of the project participants was used to identify farm-scale tools and other locally developed DSTs that were assessed as being important in a regional context.

More than 150 DSTs were identified in total, of which 36 were selected for further investigation based on their national importance and relevance to the project area. For these DSTs, a set of information sheets were produced to provide an easily accessible source of key information on tool capabilities, and a subset were demonstrated to a group of project partners and MAP leaders at a Workshop.

Decision support tool short list

Executive summary

A classification scheme was devised to better understand the target users of the DSTs and the types of support they were intended to provide. The DSTs were separated into those developed to support water quality/agriculture policy makers operating at a regional or national level, and those intended to support sustainable nutrient management at the farm level. The DSTs were further divided into groups depending on whether they provided support for (i) evaluation of current practices; (ii) strategic advice for farm management and implementation of measures; or (iii) on-farm operational management.

Types of decision support tool

Four of the selected DSTs were primarily aimed at improving water quality. Rather than being farm (nutrient/pesticide) management tools and their inclusion in this review was based on the assumption that the efficient use of nitrogen and pesticides indirectly improves water quality; most participants reported using this type of DST. One of the shortlisted DSTs was explicitly developed to consider the impact of mitigation methods on water quality (FARMSCOPE (Lis, Environmental Variables for Pesticides (EVL) and Catchment Lake Modelling Network (CLM)), however, tools that support the efficient and smart application of nutrients or pesticides (e.g. by taking into account weather forecasts), can be said to provide indicative information on management measures for reducing losses to the water environment. Economic and financial impacts of mitigation methods were infrequently covered by the shortlisted DSTs.

Representation of water quality, mitigation methods and economic and financial aspects in decision support tools

All the DSTs examined in this review operate within the context of the wider advisory framework in place in their respective countries, and this will clearly impact on the uptake of a DST and its usefulness/effectiveness. It may not always be straightforward to transfer a DST from one country to another because the advisory framework are likely to be different, in addition to issues around language and requirements for country-specific data or calibration.

National and international use of decision support tools and barriers to their uptake

Selected DSTs will be evaluated in the FAIRWAY case studies for their ability to assist in implementing mitigation methods and managing water quality.

Related articles

Definitions and terminology

Decision support tool short list

Types of decision support tools

Representation of water quality, mitigation methods and economic and financial aspects in decision support tools

National and international use of decision support tools and barriers to their uptake

References

8 – 10 short articles

Table 1: The current status of FAIRWAYiS content

Available on FAIRWAYiS (restricted access - to allow partners time to publish)	Available on FAIRWAYiS (public access)	Deliverables are available but the material has not yet been extracted for FAIRWAYiS	Deliverables not available yet
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Key messages	Research Highlights	Infographics	Video Clips
	Science	Recommendations	Policy support
Farm management			
Farming practices: review of measures and practices	4.1: Review on effective pesticide mitigation measures	4.3: Report on most promising measures and practices	
	4.2: Review on effective nitrate leaching mitigation		
Monitoring & indicators	3.1: Review report of Agri-Drinking Water quality Indicators and IT/sensor techniques	3.2: Report and leaflets with evaluation of all indicators	

		3.3: Database containing harmonized dataset	
Management tools	5.1: Technical report of the review of existing support tools	5.4: Recommendation report/ synthesis report on decision-support systems	
	5.2: Report on the evaluation of the decision support and information tools and measures completed	5.5: Phone App – Pesticides	
	5.3: Report on costs and benefits, including risk	5.7: A description of a decision support framework for advice, training and communication strategies of a decision support framework for advice, training and communication strategies	
Governance & policy support			
Policy & governance	6.1: Report on policy analysis on EU and national level MS	6.3: Paper on lacks and spillover, narrative on actor perspectives	6.5: Policy brief providing input and options for coherent, legitimate and sustainable governance approaches
	6.2: Report on governance arrangements in case studies	6.4: Report on cost efficient management models	
Science & policy support	7.1: Evaluation report on barriers and issues in providing integrated scientific support for EU policy		7.3: Recommendation report on the most promising activities, policies and tools
	7.2: Report on actors' feedback on the evidence-based practices for water quality improvement of the different FAIRWAY case studies and FAIRWAY project interim results.		7.4: Synthesis report on the iterative process of knowledge and practice exchange in the FAIRWAY project for integrated scientific support for relevant EU-policies
Multi-actor platforms		2.4: Report with recommendations for Water Safety Plans	2.2: Report summarising all the MAP activities and

			experiences conducted during the project period
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Case Study descriptions			
Island Tunø, DK	Aalborg, DK	Anglian Region, UK	La Voulzie, FR
Lower Saxony, DE	Axios river, GR	Derg catchment, UK	Overijssel, NL
Noord-Brabant, NL	Vansjø, NO	Baixo Mondego, PT	Arges-Vedea, RO
Dravsko Polje, SI			

3.2 SOCIAL MEDIA (FACEBOOK, TWITTER, LINKEDIN, YOUTUBE)

Social media has become an important channel for projects to communicate concise and visual pieces of information about their research to a broad target audience. FAIRWAY is using Facebook, Twitter, LinkedIn and YouTube as our main social media platforms.

3.2.1 FAIRWAY Facebook Page

www.facebook.com/Fairway-Project-118107408845897/

Fairway Project
@FairwayEU · Agricultural service

Learn More

fairway-project.eu

Home Services Reviews Shop More ▾

Liked Message 🔍 ⋮

About See all

- EU Funded research project working in 13 case studies in Europe to review approaches for protection of drinking water resources against pollution by pesticides and nitrate.
- Farm System Management and Governance for Producing Good Water Quality for Drinking Water Supplies
- 24 people like this, including 1 of your friends
- 32 people follow this
- <http://www.fairway-project.eu/>
- Send message
- fairwayprojectmedia@gmail.com
- Agricultural service
- FairwayEU

Create Post

Photo/Video Check In Tag Friends

Fairway Project
4 October at 07:35 · 🌐

Environmental Yardstick is a decision support tool that shows the environmental impact of pesticides permitted on the Dutch market. For each crop there is an accompanying environmental impact sheet with all pesticides that can be applied. It enables the user to compare and choose the least harmful crop protection strategy.

<http://ow.ly/25z650Bn4d6>

ENVIRONMENTAL YARDSTICK

DST that shows the environmental impact of pesticides permitted on the Dutch market. It enables the user to compare and choose the least harmful crop protection strategy.

www.fairway-project.eu

The Facebook page is used in parallel with Twitter and LinkedIn to announce news and event and communicate key messages from the project results using infographics and short videos. The top three posts to date reached 107 (Vansjø case study infographic), 44 (FAIRWAY & WaterProtect Joint Conference) and 25 (Derg River catchment review) people.

The page currently has 32 followers and has made 56 posts.

3.2.2 FAIRWAY MAP Facebook groups

At the start of the project it was suggested that, if it is useful or appropriate, each MAP may also set up Facebook Groups to enable members of the group to communicate with each other. However, following a review of dissemination and communication activity at the plenary meeting in Ljubljana (September 2019), most of the case study leaders considered that this would not be effective. Social media is often not used by farmers and, where it is, it would be preferable to build on any existing networks that are used.

3.2.3 FAIRWAY Twitter

<https://twitter.com/FairwayEU>

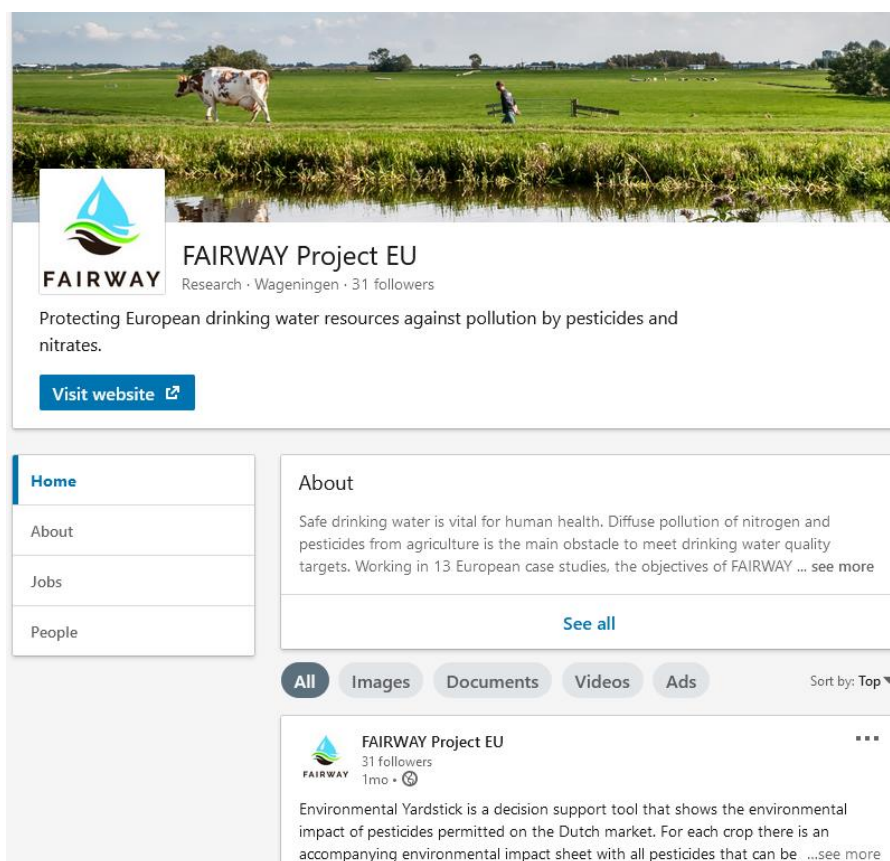


Twitter is used in parallel with Facebook and LinkedIn to announce news and event and communicate key messages from the project results using infographics and short videos.

There are currently 37 followers and we have made 72 tweets.

3.2.4 LinkedIn

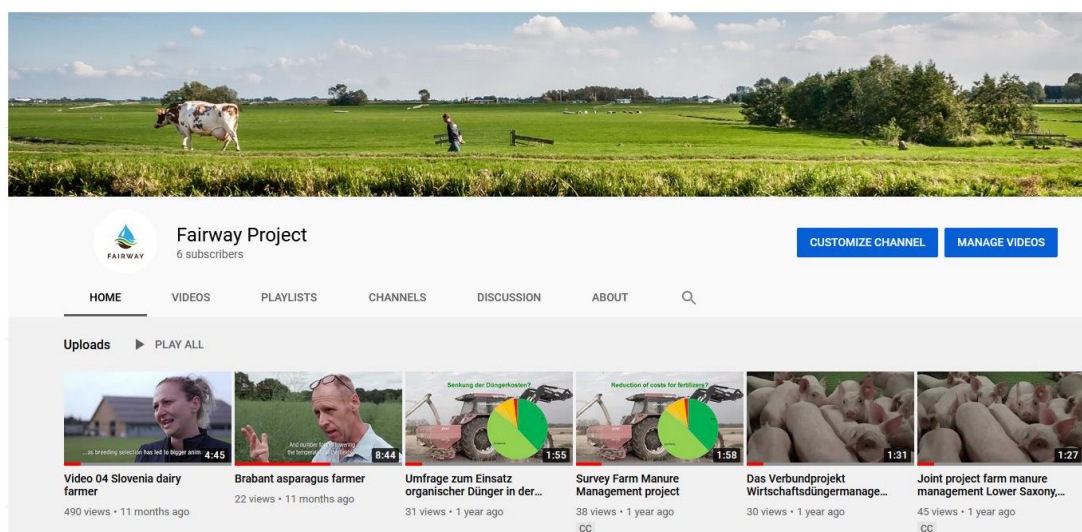
<https://www.linkedin.com/company/fairway-project-eu/>



The LinkedIn page has 31 followers and has made 22 posts since it was set up in August 2020.

3.2.5 FAIRWAY YouTube channel

www.youtube.com/channel/UCtixNzL_7zjRXNnHqvJTgpQ



The FAIRWAY YouTube channel hosts the video clips and short films. During this reporting period, two new videos have been added to the channel, both made by a professional production company. They record the work done by farmers in two of the FAIRWAY case studies to mitigate their impact on nutrient and pesticide pollution.

The channel has 6 subscribers and there have been a total 654 (112 in the last reporting period) views of all videos.

3.3 SOCIAL MEDIA CAMPAIGNS

News of events and publications (including Research Highlights summaries of project deliverables) is published across all social media platforms as and when it is received. Occasionally we have more sustained campaigns, posting regularly on a particular theme.

Table 2: Social media campaigns run to date

Name of campaign	Dates	Information posted
Case study spotlights	May - July 2020	Infographics

3.4 NEWSLETTER

Since October 2017 we have issued 9 newsletters to coincide with events, announce new infographics or videos or focusing on particular study sites.

Previous editions of the newsletter are available on the project website (www.fairway-project.eu/index.php/news-events/newsletter-archive).

Table 3: Newsletters produced to date

Date	Theme	Sent to	% opens	% clicks
12-Oct-17	FAIRWAY and WaterProtect launch meetings	79	63	0
26-Apr-18	WP5 meeting, focus on Lower Saxony CS	84	37	11
31-Jul-18	Aalborg Plenary, site visit, infographic	93	33	6
05-Nov-18	WP6 meeting Oslo, Conference, filming in Slovenia CS	99	34	4
18-Mar-19	Joint Policy Conference with waterProtect, First Review Meeting, first FAIRWAY publication	106	42	11
24-Apr-19	DST workshop, infographic	106	36	7
26-Nov-19	Videos of farmers in case studies	113	22	9
15-Apr-20	Deliverable 7.1 highlights, Knowns and unknowns of Herbicide MPCA (Derg Catchment), new publication, Knowledge and Innovation Day (Anglia Region)	114	31	11
21-Jul-20	Decision support tools: Research highlights from Deliverables 5.1 and 5.2 with accompanying infographic	115	36	7

The newsletter is currently sent to 115 subscribers including project partners, individuals and organisations that sponsored the project proposal, and others that the partners have suggested. People can subscribe to the newsletter via the project website.



Newsletter 27 November 2018

Hello Visitor,

Among many other things, the last few months have seen: the second FAIRWAY plenary meeting, a visit from two of the Commission's policy makers to one of the case studies and the production of first FAIRWAY infographic.

Second plenary meeting held in Aalborg, DK



3.5 MAP / OTHER STAKEHOLDER MEETINGS

A series of workshops and consultations will be held in each of the case study sites with members of the local multi-actor platforms. Throughout the project the various actors will be engaged and involved in a flexible manner in ways suiting their interest and ability. These meetings will provide many opportunities for exchanging information between the actors and the project partners. These meetings will be coordinated by the WP2 rather than WP8.

3.6 EXTERNAL EVENTS

A key dates planner will be compiled listing external events (world days, major conferences, EU policy cycles), audiences and the focus of potential key messages for each in order to structure and schedule the higher level dissemination strategy.

This will be done in the next reporting period.

4 MATERIAL FOR DISSEMINATION

4.1 DELIVERABLES

The most extensive source of material for dissemination and communication will be the project deliverables. Each deliverable will be formulated in a number of different ways so that it can be used on all the dissemination channels.

- Deliverable (20-25 pages) - FAIRWAYiS website
- Executive summary (1 page) - FAIRWAYiS website, newsletter
- Highlight results (formulated as key messages (short text, image, video clip) - Facebook, Twitter, YouTube, Newsletter
- Scientific paper - peer-review journals, ResearchGate

4.2 FLYER



A project flyer has been prepared giving a short, 1-page summary of the objectives and expected outcomes of FAIRWAY, written and illustrated for general audience. It is currently available in English, Portuguese and Slovenian and can be downloaded from the project website







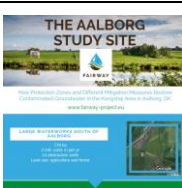
www.fairway-project.eu/index.php/downloads/category/17-fairway-leaflets






4.3 INFOGRAPHICS


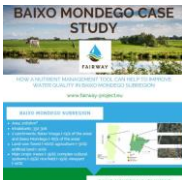


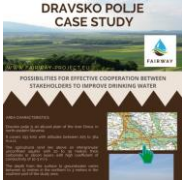
Key messages for each work package and case study site are explained using infographics, 17 of which have been produced to date (www.fairway-is.eu/index.php/key-messages/infographics).

Table 4: Infographics produced to date

Infographics relating to the main research themes addressed by FAIRWAY
Decision support tools

	Decision support tools for nutrient management	<p>Decision support tools help farmers and their advisers apply the right amount of nutrients at times when crops can use them most effectively</p>
	A successful decision support tool	<p>Successful decision support tools designed to help reduce pollution of water resources should fulfil a number of criteria relating to their access, use, functionality and output.</p>
	Environmental Yardstick	<p>Environmental Yardstick is a decision support tool that shows the environmental impact of pesticides permitted on the Dutch market. For each crop there is an accompanying environmental impact sheet with all pesticides that can be applied. It enables the user to compare and choose the least harmful crop protection strategy.</p>
	Danish nutrient management on German farms	<p>Denmark has achieved great success in water protection in the past decades. Land size and farm structure of Denmark and Lower Saxony are quite comparable. Application of Danish fertilization legislation on farms in Lower Saxony by using a Danish Decision Support Tool. Do farms in Lower Saxony meet Danish requirements?</p>
Science and policy support		
	Agriculture and water quality	<p>Barriers and solutions in science and policy interaction.</p>
Infographics relating to the FAIRWAY case studies		
Case Studies 1 & 2: Island Tunø & Aalborg, Denmark		
	How protection zones and land management restored nitrate contaminated groundwater on the Island of Tunø	<p>Tunø is an example of successful groundwater protection on a small island with one small waterworks where the aquifer is vulnerable to nitrate pollution and salt-water intrusion. The case provides valuable lessons learned.</p>
	How protection zones and different mitigation measures restore contaminated groundwater in the Kongshøj area in Aalborg	<p>Since 2004 mitigation measures have included general regulations, set-aside or reduced use of N fertilization, afforestation, campaign on correct use of herbicides.</p>


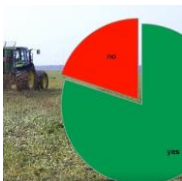




	Working hypotheses for the Danish case studies	<p>Five working hypotheses have been developed to assist the various groups of stakeholders achieve a common goal.</p>
	Danish farmers' recommendations	<p>Based on practical experience, three Danish farmers from the FAIRWAY case study of Aalborg make recommendations which they believe can ease groundwater protection processes when nitrate and /or pesticide restrictions are discussed for agricultural land.</p>
Case Study 3: Anglian Region, England		
	Using different methods of farmer engagement to reduce the use of pesticides.	<p>In the predominantly arable Anglian Region (England) the drinking water company has funded a number of Catchment Officers responsible for reducing the amount of pesticides, particularly metaldehyde, reaching water treatment works. This case study focuses on: the social science lessons behind two approaches to reducing on-farm pesticide use; collecting comparable data in a third control area with metaldehyde challenges; testing a third 'new network engagement' approach.</p>
Case Study 5: Lower Saxony, Germany		
	Closing nutrient cycles by manure transport: analysis of potential and reported experience	<p>In Lower Saxony the public advisory authority for agriculture has initiated a program that aims at closing nutrient cycles on supra-regional scale. "Farm Manure Management" examines the (potential) export of farm manure from regions with intensive pig and poultry farming to arable farming regions.</p>
Case Study 9: Noord-Brabant, Netherlands		
	Collective actions to improve water quality	<p>In Noord-Brabant the use of pesticides is a threat to ground water in some of the drinking water abstraction areas. A simple contract has been made between farmers and the province including an agreement on reduced use of pesticides. The farmers take measures and (try to) implement innovations and new techniques, they choose pesticides with low environmental impact and register their pesticide use. The municipalities have reduced their pesticide use to zero on hard surfaces and they aim for zero use in parks, sport pitches and golf areas.</p>
Case Study 10: Vansjø, Norway		

	Multi-actor processes and collective action for improving water quality	<p>Vansjø is a complex lake-river system with varying long-term nutrient loads. The aim is to elucidate for the various stakeholders the possible effects on drinking water quality of modelled scenarios in which climate change, agricultural land use and the water regulation scheme are changed.</p>
Case Study 11: Baixo Mondego, Portugal		
	How a nutrient management tool can help improve water quality	<p>In Baixo Mondego the soils are being used as a medium to dispose of organic waste within a circular economy strategy that aims to close energy and matter loops at the local scale. However, this is not done without risk, and the addition of residues to the soil has to be controlled in order to keep under the legal pollutant concentration limits for both ground and surface water, all year round and particularly during the summer dry period.</p>
Case Study 12: Arges Vedeia, Romania		
	When best agricultural practices are applied there is less nitrogen pollution in water bodies	<p>The area of Arges-Vedeia (Romania) is affected by high nitrate concentration in the groundwater. About 75% of drinking water is taken from private wells located on household sites. Most of the households have animals and very rudimentary manure storage facilities so the main pollution sources for nitrates is animal waste. A World Bank project related to “Integrated Control of Fertilizer Use” is being implemented with the objectives of developing measures to mitigate the nitrate flow to surface and groundwater.</p>
	Optimized nitrogen management plans for human health and welfare using a fertilization plan	<p>The fertilization plan is accomplished for a period of 4-5 years for crops within a certain rotation at farm level and contains economic optimum doses (for a maximum economic benefit) and technical doses (for maintaining soil fertility). The fertilization plan is carried out going through three stages: the field stage, laboratory stage and desk stage.</p>
Case Study 13: Dravsko Polje, Slovenia		
	Possibilities for effective cooperation between stakeholders to improve drinking water	<p>FAIRWAY opens new areas of research into the organisation of multi-actor platforms and contributing to the formalisation of current occasional meetings between farmers and government.</p>

4.4 VIDEO CLIPS

Key messages for work packages and case study sites are also explained and illustrated using short video clips, of which 5 have been completed to date fairway-is.eu/index.php/key-messages/video-clips). A professional film maker is also part of the consortium.

Table 5: Video clips produced to date

Introducing the FAIRWAY Case Studies		
	Lower Saxony, DE	<p>The Joint Project Farm Manure Management is investigating how much of the farm manure accumulating in the west of Lower Saxony (where husbandry dominates) can be transported to the southeast (a mainly arable area) in an environmentally-sound way, to substitute mineral fertilizers and close the nutrient cycle on a supraregional scale.</p> <p>»Video also available in German</p>
	Lower Saxony, DE	<p>Around 250 farmers in the south east of Lower Saxony were questioned about the use they make of organic manure. Because of variability in the quality of manure, most farmers prefer long-term cooperation with farmers they know in person and whom they can trust.</p> <p>»Video also available in German</p>
	Dravsko Polje, SI	<p>A dairy farmer in Dravsko Polje (Slovenia) tells how she has replaced the old cattle shed with a new one using a deep bedding system. The bedding material mixed with slurry is applied to the fields, providing much needed additional organic matter and a reduced risk of leaching.</p>
	Brabant, NL	<p>An asparagus farmer in Brabant (Netherlands) tells his personal story about how he tries to reduce pollution risk while keeping his farm economically sustainable.</p>
	Vansjø, NO	<p>Cross-municipal and sectoral cooperation has enabled the implementation of measures to improve water quality.</p>
Other videos by partners		
	Environmental Yardstick for Pesticides	<p>FAIRWAY partner CLM has developed the Environmental Yardstick for Pesticides for use in Noord-Brabant. The tool provides an overview of the environmental pressures generated by all crop protection agents permitted on the Dutch market. It enables the user to compare these agents and choose the least harmful crop protection strategy.</p>

4.5 NEWS ITEMS

Press releases and announcements are prepared for special events, significant project milestones and major project results.

To date there have been 29 news items posted on the FAIRWAY project website (<https://www.fairway-project.eu/index.php/news-events>).

4.6 RESEARCH HIGHLIGHTS

Succinct summaries of the research results are given in as short highlight articles (<https://fairway-is.eu/index.php/key-messages/research-result-highlights>). The objective is to have at Research Highlights articles at least for every deliverable.

Table 6: Research highlights articles produced to date

Title	Source
Survey and review of decision support tools	D5.1
Evaluation of decision support tools	D5.2
Barriers and issues in providing integrated scientific support for EU policy	D7.1
Actors' feedback on practices for improvement of water quality in FAIRWAY case studies and interim project results	D7.2

5 EVALUATION OF THE EFFECTIVENESS OF THE DISSEMINATION AND COMMUNICATION STRATEGY

The following metrics are being used to monitor the effectiveness of the Dissemination and Communication Strategy.

At this stage many of the local stakeholders at levels A and B are identified only by type (e.g. farmers, private well owners). However at the levels C, D and E most of the organisations have already been identified by name.

Stakeholders	Number of groups or organisations
A – Local farmers, land managers	20
B – Local research institutes, technicians & advisors, farmer unions, enterprises, NGOs	57
C- Regional payment agencies, government offices, research institutes, policy makers, NGOs	42
D – National payment agencies, government offices, research institutes, policy makers, NGOs	28
E – International organisations	30

Details of activities in the MAPs are generally reported separately under WP2. The number of dissemination events and products is expected to keep increasing in the next period as an increasing amount of data is available for publications.

Dissemination events and products	Number
Workshops, demonstrations, meetings – local and regional stakeholders	131
Meeting presentations – national stakeholders	2
EU level workshops	3
Conference presentations – scientific	11
Newsletters – regional, national, technical journals	5
Report of activities – technical, local, national media, other websites	24
Infographics	17

Videos	6
Research Highlights articles	4
Scientific publications	7 (of which 5 are open access)

Activity on the digital dissemination platforms is also expected to increase. Particular effort will be paid to increasing the numbers of followers and subscribers on social media.

Digital platforms	Metrics
FAIRWAYiS website	10 deliverables added to content
FAIRWAY Project website	29 news items
Facebook Page	32 Followers, 56 posts, top 3 reaches to date 107, 44 and 25 people.
Facebook Groups	0
Twitter	37 followers, 72 tweets
LinkedIn	31 followers, 22 posts
YouTube	6 subscribers, 654 views in total
Newsletters	9 issues, 115 subscribers, av 37% opens, 7.3% links clicked.

6 ANNEX 1: RECORD OF DISSEMINATION ACTIVITIES

6.1 PROJECT-WIDE

WPs 1 and 8:		Coordination and Dissemination & Communication					
WP leaders:		Gerard Velthof, Gianni Quaranta					
Contact email address:		gerard.velthof@wur.nl, giovanni.quaranta@unibas.it					
Page last updated:		04-Nov-20					
News items		Dissemination channel and date					
No	Title	Author	Website	Facebook	Twitter	YouTube	Newsletter
1	The project FAIRWAY started officially on the 1st June 2017	Gerard Velthof	19-Jul-17	14-Nov-17			
2	Launch meeting & afternoon Workshop for FAIRWAY and WaterProtect – Press release	Gerard Velthof	21-Nov-17	21-Nov-17	21-Nov-17		12-Oct-17
3	FAIRWAY meeting in Naples, November 2017	Jane Brandt	11-Dec-17	11-Dec-17	11-Dec-17		08-Jan-18
4	FAIRWAY and WaterProtect Joint Launch, 6 December 2017	Gerard Velthof	12-Dec-17	08-Jan-18	08-Jan-18		08-Jan-18
5	Waterkwaliteit beter, maar nog niet op orde	Gerard Velthof		19-Dec-17	19-Dec-17		
6	FAIRWAY workshop event in Brussels, December 2017	Jane Brandt	08-Jan-18	08-Jan-18	08-Jan-18		08-Jan-18
7	FAIRWAY decision support tool workshop, April 2018	Rikke Krogshave Laursen	23-Apr-18	23-Apr-18	23-Apr-18		26-Apr-18
8	EIP-AGRI workshop May 2018	Marina Pintar	18-Jun-18				
9	International Conference: Water Science for Impact, October 2018	Sandra Boekhold	05-Nov-18	05-Nov-18	05-Nov-18		05-Nov-18
10	Legal Policy & Governance WP meeting, 2 Oct 18	Sandra Boekhold	05-Nov-18	05-Nov-18	05-Nov-18		05-Nov-18
11	Second FAIRWAY Plenary meeting, June 2018	Gerard Velthof	05-Nov-18	20-Jun-18	20-Jun-18		31-Jul-18
12	FAIRWAY & WATERPROTECT Joint Conference	Marina Pintar	20-Nov-18	20-Nov-18	20-Nov-18		
13	Aalborg plenary meeting	Gerard Velthof			31-Jul-18		
14	WP6 Oslo meeting, 8-9 October 18	Sandra Boekhold		05-Nov-18	05-Nov-18	05-Nov-18	
15	Water Science for Impact conference	Sandra Boekhold		05-Nov-18	05-Nov-18	05-Nov-18	
16	Filming for Davsko Polje video	Matjaž Glaven			05-Nov-18		
17	Carvalho et al publication in STOTEN	Sindre Langaas		08-Jan-19		08-Jan-19	
18	Joint Policy Conference with WaterProtect, Dec 18	Marina Pintar			18-Mar-19		
19	1st FAIRWAY Review - Brussels	Jane Brandt			18-Mar-19		
20	Paper publication - March 19, Barriers and issues in providing EU policy support	Matjaž Glaven		18/03/2019 28-Jan-20	18-Mar-19	28-Jan-20	
21	DSS tools workshop - March 19	Rikke Krogshave Laursen		27-Mar-19	23-Apr-19	27-Mar-19	
22	Joint FAIRWAY-WaterProtect meeting, DK	Rikke Krogshave Laursen		02-Jul-19	15-Apr-20	02-Jul-19	
23	The Knowns and Unknowns of the Herbicide MCPA	Donnacher Doody		03-Jan-20	15-Apr-20	03-Jan-19	
24	Nicholson et al publication	Fiona Nicholson		06-Apr-20	15-Apr-20	06-Apr-20	
25	KID event, Anglian Region case study	Jenny Rowbottom		15-Apr-20	15-Apr-20	15-Apr-20	
26	Klages et al, Nitrogen surplus publication	Susanne Klages		07-May-20		07-May-20	
27	Research highlights: D5.1	Rikke Krogshave Laursen		14-Sep-20		21-Jul-20	
28	Research highlights: D5.2	Rikke Krogshave Laursen		21-Sep-20		21-Jul-20	
29	Environmental Yardstick - new infographic	Alice Blok		04-Oct-20		03-Aug-20	
30	Kim et al. Time lag as an indicator publication	Hyojin Kim		10-Sep-20		10-Sep-20	

Deliverables				Research Highlights			
No.	Title	Authors	FAIRWAYIS	FB, Twitter, LinkedIn	Newsletter	FAIRWAY	FAIRWAYIS
3.1	Review report of Agri-Drinking Water	Klages et al.	22-Jan-19				
3.2	Report and leaflets with evaluation of all	Kim et al.	17-Apr-20				
4.1	Review on effective pesticide mitigation	Oenema et al.	04-Dec-18				
4.2	Review on effective nitrate leaching	Commelin et al.	04-Dec-18				
5.1	Survey and review of existing decision	Nicholson et al.	20-Aug-18	27-Jul-20	21-Jul-20	21-Jul-20	01-May-20
5.2	Report on the evaluation of the decision	Krogshave Laursen et al.	24-Apr-20	30-Jul-20	21-Jul-20	21-Jul-20	01-May-20
5.3	Report on costs and benefits, including	Hasler et al.	29-Jan-20				
6.1	Report on policy analysis on EU and	Platjouw et al.	10-Feb-20				
7.1	Evaluation report on barriers and issues	Glavan et al.	28-Jan-20				16-Sep-20
7.2	Report on actors' feedback on the	Rudolf et al.	04-Feb-20				16-Sep-20
Flyer			Dissemination channel and date				
No.	Title	Author	Website	Facebook	Twitter	YouTube	Newsletter
1	FAIRWAY leaflet_EN	Velthof	16-Jul-18				
2	FAIRWAY leaflet_SI	Glaven	16-Jul-18				
3	FAIRWAY leaflet_PT	Ferreira	06-Sep-18				
Videos			Dissemination channel and date				
No.	Title	Authors	Youtube	FB & Twitter + LinkedIn (from 8May)	Newsletter	FAIRWAY	FAIRWAYIS
1	Joint project farm manure management Lower Saxony, DE	Tendler	13-Nov-18				15-Nov-18
2	Survey Farm Manure Management Project	Tendler	08-Nov-18				15-Nov-18
3	Environmental Yardstick for Pesticides	van Vliet	Not hosted by FAIRWAY				
4	Slovenia dairy farmer	Viverra Films	26-Nov-19		26-Nov-19		26-Nov-19
5	Brabant asparagus farmer	Viverra Films	26-Nov-19		26-Nov-19		26-Nov-19
6	Vansjø, NO	Kober	Not hosted by FAIRWAY				05-Nov-20
Infographics			Dissemination channel and date				
No.	Title	Authors	FB & Twitter + LinkedIn (from 8May)	Newsletter	FAIRWAY	FAIRWAYIS	
1	Agriculture and water quality	WP7	23-Jul-18	31-Jul-18		23-Jul-18	
2	Decision support tools for nutrient management	Rikke Krogshave Laursen, John Williams	15-Oct-18	23-Apr-19		15-Oct-18	
3	The Danish case study sites	Birgitte Hansen				27-Jun-19	
4	The Aalborg study site	Birgitte Hansen	11-May-20			27-Jun-19	
5	The Tunø study site	Birgitte Hansen	14-May-20			27-Jun-19	
6	The Lower Saxony case study	Linda Tendler	18-May-20			06-Aug-19	
7	The Vansjø case study	Ingrid Nesheim	21-May-20			05-Sep-19	
8	The Noord Brabant case study		25-May-20			14-Oct-19	
9	Baixo Mondego case study	Inês Amorim Leitão	26-Nov-19			26-Nov-19	
10	Danish nutrient management on German Farms	Linda Tendler	02-Jan-20		02-Jan-20	02-Jan-20	
11	Arges Vede case study	Irina Calciu	01-Jun-20			28-Apr-20	
12	Anglian Region case study	Jenny Rowbottom	04-Jun-20			28-Apr-20	
13	Optimized nitrogen management plans	Irina Calciu				05-May-20	
14	La Voulzie case study	Nicolas Surdyk				07-May-20	
15	Environmental Yardstick DST + Environmental Impact Sheets	Marje Hoogendoorn	06-Aug-20		03-Aug-20	20-Jul-20	
16	Dravsko Polje case study	Gregor Kramberger	22-Jul			20-Jul-20	
17	The successful decision support tool	Rikke Krogshave Laursen	03-Aug	21-Jul-20		21-Jul-20	
18	Danish farmers' recommendations	Rikke Krogshave Laursen			30-Sep-20	30-Sep-20	
Social media campaigns							
No.	Title	Material	Channels	Dates			
1	Case study spotlights	Infographics	FB, Twitter, LinkedIn	May-July 2020			

6.2 FURTHER DETAILS FOR EACH WORK PACKAGE

6.2.1 Work package 02 Multi-actor platforms and case studies

WP 02:	Multi-actor platforms and case studies
WP leader:	Alma de Vries, Cors van den Brink, Frode Sundnes
Contact email address:	alma.de.vries@rhdhv.com , cors.van.den.brink@rhdhv.com , frode.sundnes@niva.no

Page last updated:	05/nov/20
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KEY MESSAGES

1	MAPs fuel stakeholder engagement
2	Each MAP is unique in size and structure, and in a different stage of engagement
3	Broad and true stakeholder interaction is a prerequisite for improvements to water quality

STAKEHOLDER GROUPS

MAP participants and other secondary level stakeholders	International	Scientific community	General public
ABCD	E	F	G
Individuals, local, regional and national levels	European Commission, International bodies		Media, students
Farmers		Scientific community	
Advisers			
Water quality managers			
Municipalities			
Environment agencies			
River Trusts			
Government departments			
Water companies			
Case study leaders			

TASKS FROM THIS WP INVOLVING MAPs

Task No.	Description	Task type	Date	Stakeholder groups involved
D2.3	MAP Workshop	Workshop	31.02.2018	A
D2.1	Compilation of MAPs	Report	31/05/2018	A
D2.5	Report on MAPs	Report	31/12/2019	A, F
D2.4	Report: WSP rec.	Report	31/01/2021	A
D2.2	MAP activities	Report	31/05/2021	A

DISSEMINATION EVENTS

Information provided	Target audience/stakeholder	Format or media	Delivery date
e.g. Aims of FAIRWAY	A (15), B(5), C(2), D(1), public (3)	MAP meeting	21-06-18

SCIENTIFIC PUBLICATIONS (conference presentations, articles published or in press)

Presentation at LUWQ conference in Aarhus, 2019: The role of MAPs in addressing challenges to protect drinking water supplies

6.2.2 Work package 03 Monitoring and indicators

WP3 :	Monitoring and indicators
WP leader:	Nicolas Surdyk
Contact email address:	n.surdyk@brgm.fr

Page last updated:	4 November 2020
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KEY MESSAGES

1	Pressure and state indicators to mitigate N and pesticide contamination and models to explain relationships.
2	Difficult to find promising participative monitoring techniques for groundwater
3	In some context (hydrology), a long time lag between N input and NO3 concentration in groundwater exists
4	Long times series are needed to link pressure and state indicators at the catchment scale (for GW and depending on hydrology)

STAKEHOLDER GROUPS

MAP participants and other secondary level stakeholders	International	Scientific community	General public
ABCD	E	F	G
Individuals, local, regional and national levels	European Commission, International bodies		Media, students
Farmers		Scientific community	
Farm advisers			
National agencies			

TASKS FROM THIS WP INVOLVING MAPs

Task No.	Description	Task type	Date	Stakeholder groups involved
3.1	Questionnaire about indicators	Questionnaire	Q3 2018	ABCDF

DISSEMINATION EVENTS

Information provided	Target audience/stakeholder	Format or media	Delivery date

SCIENTIFIC PUBLICATIONS (conference presentations, articles published or in press)

Abstract for WP5 send to LUWq 2019, 15. October 2018

Kim, H.; Surdyk, N.; Moller, I.; Graversgaard, M.; Blicher-Mathiesen, G.; Henriot, A.; Dalgaard, T.; Hansen B. Lag time as an Indicator of the link between Agricultural Pressure and Drinking Water Quality State. Water 2020, 12, 2385. OPEN ACCESS

6.2.3 Work package 04 Review of measures and practices

WP 4:	Review of measures and practices
WP leader:	Meindert Commelin, Oene Oenema, Irina Calciu
Contact email address:	meindert.commelin@wur.nl, oene.oenema@wur.nl, irina.calciu@icpa.ro

Page last updated:	4-Nov-20
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KEY MESSAGES	
1	Selecting most promising measures for pesticides pollution is hampered by a lack of statistical sound data.
2	Vegetated filter strips, are effective measure to prevent pollution, however they are not applicable in each situation.
3	Based on responses from the case studies, effective results are more often reached through policies and social interventions than through the more physical/agronomical measures.
4	For nitrate, literature shows that (non-legume) cover crops and the nitrification inhibitor DCD may provide options to reduce losses to the environment. Results on other measures, such as application of biochar or changes in tillage practices, vary.
5	Here too there is a discrepancy between the field- or trial-based measures reported in literature and the farm-level management options that are used/reported in the case studies.
6	Measures to reduce nitrate losses should consider potential effects other nitrogen compounds or greenhouse gas losses (NH ₃ , N ₂ O, CO ₂).

STAKEHOLDER GROUPS			
MAP participants and other secondary level stakeholders	International	Scientific community	General public
ABCD	E	F	G
Individuals, local, regional and national levels	European Commission, International bodies		Media, students
Water boards	Policy makers	Scientists	
Farmer organisations	Farmer organisations		

TASKS FROM THIS WP INVOLVING MAPs				
Task No.	Description	Task type	Date	Stakeholder groups involved

DISSEMINATION EVENTS			
Information provided	Target audience/stakeholder	Format or media	Delivery date
Results from FAIRWAY	E, F	Presentation at sister project (WaterProtect)	24-09-20

SCIENTIFIC PUBLICATIONS (conference presentations, articles published or in press)	
Abstract for WP4-Nitrates pollution send to LUWq 2019, October 2018	
Abstract for WP4-Pesticide pollution send to LUWq 2019, October 2018	
Reduction of diffuse pesticide transport from agricultural land to groundwater and surface waters by management measures – a review (in press)	

6.2.4 Work package 05 Review of decision support tools to diminish pollution of water resources

WP 5:	Review of decision support tools to diminish pollution of water resources
WP leader:	John Williams, Berit Hasler, Rachel Cassidy, Rikke Laursen
Contact email address:	john.williams@adas.co.uk, bh@envs.au.dk, rachel.cassidy@afbini.gov.uk, rila@seges.dk

Page last updated:	30/Oct/20
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KEY MESSAGES

1	Which DSTs are most widely used and why.
2	Insights in matching suites of DSTs to specific sites and users.
3	Costs and benefits of DSTs to a range of end users.
4	Innovative phone app to support pesticide applications in drinking water catchments.

STAKEHOLDER GROUPS

MAP participants and other secondary level stakeholders	International	Scientific community	General public
ABCD	E	F	G
Individuals, local, regional and national levels	European Commission, International bodies		Media, students
Farmers	EU	Scientific community	
Advisers			
Water quality managers			
Municipality			
Anglers' Associations			
Environment agencies			
River Trusts			
Government departments			
Water companies			

TASKS FROM THIS WP INVOLVING MAPs

Task No.	Description	Task type	Date	Stakeholder groups involved
5.2	Test of DSTs	Individual testing / workshops etc.	Q4 2018 and Q1 2019	ABCD
5.4	Test and feedback on DST framework	Individual testing / workshops etc.	Q1 2021	ABCD
5.5	Test and feedback on phone app	Individual testing / workshops etc.	Q1 2021	ABCD

DISSEMINATION EVENTS

Information provided	Target audience/stakeholder	Format or media	Delivery date
Successful decision support tool	G	Social media post	23/04/18
DSTs for nutrient management	G	Infographic	15/10/2018
Main findings from test of decision	G	Social media post	27/03/19
Results of testing the decision	G	Infographic	02/01/20
Deliverable 5.1	G	Research Highlights	27/07/20
Deliverable 5.2	G	Research Highlights	30/07/20
A succesful decision support tool	G	Infographic	30/07/20
Decision support tool Environmental	G	Infographic	06/08/20

SCIENTIFIC PUBLICATIONS (conference presentations, articles published or in press)

Abstract for WP5 send to LUWq 2019, 15. October 2018
Conference presentation "Decision support tools for reduction of nitrate and pesticide pollution from agriculture". 3-6 June 2019, Aarhus, Denmark.
Nicholson, F.; Krogshave Laursen, R.; Cassidy, R.; Farrow, L.; Tendler, L.; Williams, J.; Surdyk, N.; Velthof, G. How Can Decision Support Tools Help Reduce Nitrate and Pesticide Pollution from Agriculture? A Literature Review and Practical Insights from the EU FAIRWAY Project. Water 2020, 12, 768. OPEN ACCESS
Poster presentation: "Mobile Phone Apps to Manage Pesticides at Field Scale: The Perspective of Northern Ireland Farmers". Presented at the Catchment Science 2019 Conference, 5th - 7th November 2019, Wexford, IE.
Poster presentation: "Pesticide Source Risk Identification – An Evaluation of Decision Support Tools in the Derg Drinking Water Catchment". Presented at the Catchment Science 2019 Conference, 5th – 7th November 2019, Wexford, IE.

6.2.5 Work package 06 Legal policy and governance

WP 6:	Legal policy and governance
WP leader:	Isobel Wright, Froukje Platjouw, Berit Hasler, Sandra Boekhold, Susanne Wuijts
Contact email address:	iwright@lincoln.ac.uk, froukje.platjouw@niva.no, bh@envs.au.dk, sandra.boekhold@rivm.nl, susanne.wuijts@rivm.nl

Page last updated:	5 Nov 20
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KEY MESSAGES	
1	Awareness of degree of consistency of relevant EU regulations
2	Challenge to integrate conflicting EU requirements into a coherent national or regional policy
3	Policy makers can make use of practical experiences in dealing with this challenge.

STAKEHOLDER GROUPS			
MAP participants and other secondary level stakeholders	International	Scientific community	General public
ABCD	E	F	G
Individuals, local, regional and national levels	European Commission, International bodies		Media, students
Policy making bodies within and across nations.	EU		
	OSPAR		
	Basin approaches		
	HELCOM		

TASKS FROM THIS WP INVOLVING MAPs				
Task No.	Description	Task type	Date	Stakeholder groups involved
6.2 (Milestone 6.2 due Feb 2018)	Protocol for collection of data in case studies	Questions on governance arrangements	Data collection March-August 2018	MAP coordinators

DISSEMINATION EVENTS			
Information provided	Target audience/stakeholder	Format or media	Delivery date

SCIENTIFIC PUBLICATIONS (conference presentations, articles published or in press)
Aims of FAIRWAY and preliminary results. Oral presentation at Water Science for Impact conference, Wageningen, NL 16Aug2018 followed by discussion and exchange of good governance examples with the audience.
Conference presentation: Balancing economy and sustainability Defragmentation of European policies to enhance the effectiveness of local scale water governance, Conference Water Science for Impact, Wageningen, 2018
Oral presentation 'FAIRWAY WP6 Legal policy and governance' by Sandra Boekhold (RIVM), Froukje Platjouw (NIVA), Isobel Wright and Jenny Rowbottom (UoL) at the Land Use and Water Quality Conference, 4 June 2019, Aarhus, Denmark.
Oral presentation 'Policy and governance for a more effective drinking water protection, elements from the H2020 project FAIRWAY' by Sandra Boekhold (RIVM) at the workshop 'Better integration of drinking water considerations into river basin management planning, links between drinking water, water frame work and groundwater directives' on 16 October 2019 under the Finland's presidency of the council of the European Union, jointly organised by the EU Common Implementation Strategy (CIS) working group on groundwater and drinking water experts.

6.2.6 Work package 07 Integration and recommendations at EU level

WP 7:	Integration and recommendations at EU level
WP leader:	University of Ljubljana (Marina Pintar, Matjaž Glavan, Špela Železnikar, Rozalija Cvejić)
Contact email address:	Marina.Pintar@bf.uni-lj.si, matjaz.glavan@bf.uni-lj.si, spela.zeleznikar@bf.uni-lj.si, rozalija.cvejic@bf.uni-lj.si

Page last updated: 29/Oct/20

KEY MESSAGES	
1	Recommendations of solutions for elimination of the weak points in science policy relationships
2	To build link for standard methodologies for communication improvement between science and policy
3	

STAKEHOLDER GROUPS					
MAP participants and other secondary level stakeholders	International		Scientific community		General public
ABCD	E		F		G
Individuals, local, regional and national levels	European Commission, international bodies		Sector		Media, students
Representatives of all MAPs within the FairWay project	Directorate Generale Agriculture and Rural Development		European Water Resources Associations		
	Directorate Generale Environment		EU Commission		
	Directorate Generale Research and innovations		European centre of excellence for sustainable water technology		Research
	Committee Agriculture and Rural Development		European Network of Freshwater Research Organisations		Research
	Committee Environment, Public Health and Food Safety		EU parliament		
	Committee Industry, Research and Energy		EU parliament		
	The European Technology Platform for Water		EU		
	European Innovation Partnership on Water		EU		
	European Innovation Partnership for Agricultural productivity and Sustainability		EU		
	European farmers and European agri-companies		Farmers organisation		
	European Council of Young Farmers		Farmers organisation		
	European Forum for Agricultural and Rural Advisory Services		Other agricultural body		
	The European Conservation Agriculture Federation		Other agricultural body		
	Fertilizers Europe		Company		
	European Fertilizer Blenders Association		Company		
	European Crop Protection Association		Company		
	European Network for Rural Development		Agricultural Platform		
	Farm Europe		Agricultural Platform		
	European Federation of Bottled Waters		Company		
	European Drinking Water (EDW)		Company		
	European Federation of National Associations of Water Services		Water Company		
	European Water Association		Water Company		
	Aqua Publica Europea		Water Company		
	European Union of Water Management Associations		Water Company		
	European Water Partnership		Water Platform		
	European Water Regulators		Regulators		

TASKS FROM THIS WP INVOLVING MAPs			
Task No.	Description	Task type	Stakeholder groups involved
7.1	Evaluation of the barriers/issues around providing integrated scientific support for EU policy	Workshop, individual interviews	E, F
7.2	Stakeholders feedback on the evidence based practice in the CS and on Fairway project interim results	Workshop	E, F, B (MAP)
7.4	Validate and cross-check the results on possibilities of integrating science as a support for relevant EU policies	Workshop	E, F

DISSEMINATION EVENTS			
Information provided	Target audience/stakeholder group	Format or media	Delivery date
Workshop	EU level science and policy organisations	e-mail, press release - https://www.eip-water.eu/launch-meeting-afternoon-workshop-fairway-and-waterprotect	16. 10. 2017, 24. 11. 2017, Month 4-6
Workshop	EU level science and policy organisations	e-mail, press release - https://www.fairway-project.eu/index.php/news-events/105-fairway-water-protect-joint-conference-eu-policies-in-addressing-drinking-water-management-challenges ; https://twitter.com/FairwayEU ; https://www.facebook.com/pages/category/Agricultural-Service/Fairway-Project-118107408845897/ ; http://www.eureau.org/resources/news/288-eureau-newsletter-edition-30-november-2018 ; http://www.bf.uni-lj.si/dekanat/monica/foi_tnews%5Byear%5D=2018&foi_tnews%5Bmonth%5D=12&foi_tnews%5Bt_news%5D=2939&foi_hash=0c55bea4853621cc38c3501a2d29d ; Pictures from the event are published here: https://www.facebook.com/pg/SlovenianBusinessResearchAssociation/photos/?tab=album&album_id=2495530427128880	23. 11. 2018, Month 18
Workshop	EU level science and policy organisations		Plan is to executed it at Water quality and Land use Conference in 2021

SCIENTIFIC PUBLICATIONS (conference presentations, articles published or in press)	
Executed 2019:	
Land Use and Water Quality Conference, Aarhus, Denmark, 3. - 6. 6. 2019	
Glavan, M., Železnikar, Š., Velthof, G., Boekhold, S., Langaas, S., Pintar, M. How to Enhance the Role of Science in European Union Policy Making and Implementation: The Case of Agricultural Impacts on Drinking Water Quality. Water 2019, 11, 492. OPEN ACCESS	
2018	
Infographic published on Twitter and Facebook: https://www.facebook.com/118107408845897/photos/a.136017413721563/216339265689377/?type=3&theater	

OTHER INFO

EIP focus groups will not exist in form as we know it after 2020 (2021-2027). With what kind of form will they be replaced is not yet clear. This will be to late to take this action in WP7, project ends on May 2021.

EIP focus group will not be established.

6.3 FURTHER DETAILS FOR EACH CASE STUDY SITE

6.3.1 Case study 01 Island Tunø, DK

Case Study Site 01:	Island Tunø, DK		
Case Study site leader:	Birgitte Hansen		
Contact email address:	bgh@geus.dk		
Page last updated:	30/Oct/20		
KEY MESSAGES			
1	Lessons can be learned which are of general importance about combining agriculture with groundwater protection.		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience and numbers of people reached	Format or media	Date delivered
How protection zones and land management restored nitrate contaminated groundwater on the island of Tunø	Public	Infographic	14/05/20
SCIENTIFIC PUBLICATIONS			

6.3.2 Case study 02 Aalborg, DK

Case Study Site 02:	Aalborg, DK		
Case Study site leader:	Birgitte Hansen		
Contact email address:	bgh@geus.dk		
Page last updated:	30/Oct/20		
KEY MESSAGES			
1	Better dialogue can combine groundwater protection and agricultural production.		
2	Proved and acknowledged better management practices and technology development can improve water quality and create groundwater protection.		
3	Participative monitoring has given farmers better commitment to groundwater protection.		
4	Barriers for groundwater protection have been identified.		
5	Cost-effective solutions for the benefit of both farmers and waterworks have been achieved.		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers, land managers	Small and large water works	EPA	COPA-COGECA
	Water councils	Nature Conservation Society	DGA
Private well owners	Municipalities	Local government	DGE
	Consumers	Limfjordsrådet - a regional cooperation between the municipalities in the Limfjords area dealing with surface water issues	Food and Ag. Council (national)
	Farm advisers		KL, National umbrella for the Danish Municipalities
	RUVA - the local drinking water organisation		Danske brøndejer forening - national organisation for well owners
			DANVA, umbrella for Danish water works
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Working hypotheses for the Danish Case studies	Public	Infographic	27/06/19
How protection zones and different mitigation measures restore contaminated groundwater in the Kongshøj area in Aalborg	Public	Infographic	11/05/20
Danish farmers recommendations	Public	Infographic	30/09/20
2nd annual joint FAIRWAY – WaterProtect stakeholder group meeting	Public	Social media posts	02/06/19
SCIENTIFIC PUBLICATIONS			

6.3.3 Case study 03 Anglian Region, UK

Case Study Site 03:	Anglian Region, UK		
Case Study site leader:	Jenny Rowbottom, Isobel Wright		
Contact email address:	JRowbottom@lincoln.ac.uk, iwright@lincoln.ac.uk		
Page last updated:	6-Nov-20		
KEY MESSAGES			
Users of products (nitrate and pesticides) need to be involved, knowledgeable, accountable and responsible for sustainable use in order to maintain use of products and minimize or reduce regulation.			
Farm advisers are aware and knowledgeable of impact of products on drinking water quality to provide sustainable and responsible advice to farmers.			
The importance of the water industries and agricultural industries to work collaboratively.			
The importance and the opportunity to communicate practical and effective on farm measures and practices to policy maker - to create ownership and successful implementation.			
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes.
Farmers	Agronomists	NFU	DEFRA
	pesticide suppliers		Natural England
	Local residents		Environment agency
		Water companies	
	Catchment managers	Regulatory bodies	
	River trusts	Industry bodies	
	Wildlife organisations		
	University of Lincoln		
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Inuagural MAP meeting aims of meeting	?	MAP meeting	?
Aims of Fairway	A General Public	Public event, stand at World Rivers Day event in Grantham, closest town to CS control area	23/09/2017
Aims of MAP	C water companys 3	MAP pre meeting	04/10/2017
Aims of FAIRWAY	D government 50	General agricultural meeting House of Lords, networking format	11/10/2017
Aims of Fairway	C water companies 2	MAP pre meeting	16/10/2017
Aims of MAP	C water companies 3	MAP pre meeting	30/10/2017
Aims of FAIRWAY	ABCD not involved in the MAPs	CABA meeting networking	10/11/2017
Introduction to FAIRWAY and UoL research	UoL/LIAT Breakfast Meeting Introduction to FAIRWAY project	Presentation. I Wright (UoL)	06/11/2017
Aims of FAIRWAY and MAP	A farmer 1	1:1 meeting with main farmers in CS control area	15/11/2017
Aims of FAIRWAY and MAP	ABC 25 not involved in the MAPs	Presentation to farmers and other stakeholders	24/01/2018
MAP	ABC local, regional	MAP Steering group meeting	06/03/2018
MAP and FAIRWAY	BC not directly involved in the MAPs	Grant meeting for work in the control area	29/03/2018
Aims of FAIRWAY	C3 not directly involved in the MAPs	Meeting with EA - NFM and FAIRWAY	20/04/2018
Aims of FAIRWAY	ABC50 not directly involved in the MAPs	Stand at Water Resources East event	30/04/2018
Aims of MAP	A in the CS study control area	Farmer surveys 12 (12 more to go)	10/04 -26/04/2018
AIMS of MAP	ABCD not directly involved in the MAPs	Farming Excellence, Profitability and Resilience	01/05/2018
Aims of FAIRWAY	A 20 not directly involved in the MAPs	Presentation to Deputy Lord Lieutenants	04/05/2018
Aims of FAIRWAY	B1 potetial MAP partner	Meeting with ADAMA - key pesticide manufacturer	12/06/2018
Aims of FAIRWAY	A B 15 not directly involved in the MAPs	Meeting presentation FERN group agric and education	12/09/2018
Aims of FAIRWAY	B1 not directly involved in the MAPs	Presentation to Lord Cormack	03/10/2018
Aims of FAIRWAY	A,B,C8 not directly involved in the MAPs	Presentation to AHDB/NFU local group	08/11/2018
Aims of FAIRWAY	AB25 in the CS study control area	Knowledge and Innovation Day in CS control area to ignite interest in the control area	13/11/2018
WP2/MAP/overview of FAIRWAY	ABCD Knowledge and Innovation Day - a MAP event. Also on UoL/ADAS Twitter feed 40	UoL lead ADAS/AW	18/11/2018
UoL research to include overview and outputs of FAIRWAY	Rothamsted Research (National Agricultural Research) - network day including PhD students 6.	Presentation. I Wright (UoL)	22/11/2018
UoL research to include overview and outputs of FAIRWAY	GLAFIP -Talk mainly on WP5, and also WP6	Presentation. I Wright (UoL)	19/02/2019

UoL research to include overview and outputs of FAIRWAY	Presentation to AW catchment advisers 5 persons	Presentation J Rowbottom I Wright (UoL) C Turner ADAS	25/02/2019
WP5	LIAT Short Course Alumni event. A presentation of decision support tools, to include the Environmental Yardstick 70	Presentation. I Wright (UoL)	27/02/2019
UoL research to include overview and outputs of FAIRWAY	Lincolnshire Agricultural Society 20	Presentation. I Wright (UoL)	10/04/2019
WP2 and farmer engagement	CEREALS - a National farming event Poster presentation on farmer engagement, KID events and MAPS Attendance reaches the 1000s	Poster - J Rowbottom	20/06/2019
UoL research to include overview and outputs of FAIRWAY	Natural England farmer facilitation Groups – 2 events of 10 each	Presentation. I Wright (UoL)	15/07/2019
UoL research to include overview and outputs of FAIRWAY	Café Scientifique - talk to general public in general on Agriculture and the Environment. 15 people	Presentation. I Wright (UoL)	23/07/2019
UoL research to include overview and outputs of FAIRWAY	Lord Cormack	Presentation. I Wright (UoL)	28/10/2019
UoL research to include overview and outputs of FAIRWAY	Environment Agency - training day, included an overview of FAIRWAY 10	Presentation. I Wright (UoL)	10/12/2019
UoL research to include overview and outputs of FAIRWAY	Dutch Embassy - overview of FAIRWAY 5	Presentation J Rowbottom	18/12/2019
UoL research to include overview and outputs of FAIRWAY	Major food retailer:- presentation by LIAT (UoL) 8	Presentation. I Wright (UoL)	15/01/2020
UoL research to include overview and outputs of FAIRWAY	Natural England Training day for 10 local coastal and freshwater team members, 2 local Env Agency staff and 1 local Drinking water staff – (13 people) ;to include dissemination of FAIRWAY to date	Presentation. I Wright (UoL)	20/01/2020
UoL research to include overview and outputs of FAIRWAY	National land agency - training day including WP6 and FAIRWAY. 40 people	Presentation. I Wright (UoL)	28/01/2020
WP2 and overview of FAIRWAY	Knowledge and Innovation Day - a MAP event Also on UoL & ADAS Twitter feed 50	UoL lead J E Rowbottom ADAS/AW	03/03/2020
UoL research to include overview and outputs of FAIRWAY	Presentation to UoL School of Geog academic staff. LIAT's water research to include FAIRWAY. 15 persons	Presentation. I Wright (UoL)	05.05.2020
UoL research to include overview and outputs of FAIRWAY	UoL Blog	UoL JERowbottom	01/08/2020
Overview of FAIRWAY and UoL research	UoL Blog presented in National Farmers Union publication and website	J E Rowbottom Article in NFU publication and on NFU website	20/08/2020
WP2 Overview of the MAP projects presented	British Sugar meeting with Anglian Water	presentation by Anglian Water - R Carter	09/09/2020
WP2 Overview of the MAP projects presented	Welland RNRP meeting	presentation by Anglian Water - R Carter	24/09/2020
WP 2 and All For the MAP UoL recived funding (Environment Agency) for a passive monitoring project in the Cringle Brook - the UoL MAP catchment to enable targeted engagement an UoL /AW collaborative project	Local community in the MAP	Article (by Anglian Water - R Carter) on local Facebook/notice board of shops and glof course etc. The article aimed to raise awareness of th project and additional inforamtion on FAIRWAY via UoL blog link	01/11/2020
SCIENTIFIC PUBLICATIONS			
Papers in draft stage for WP2 and W6			

6.3.4 Case study 04 La Voulzie, FR

Case Study Site 04:	La Voulzie, FR		
Case Study site leader:	Jean-Francois Vernoux (BRGM) in collaboration with Sandra Cambournac (Eau de Paris)		
Contact email address:	jf.vernoux@brgm.fr		
Page last updated:	9-Nov-20		
KEY MESSAGES			
1	Better dialogue with farmers about their practices		
2	Better practices can improve groundwater quality even if it will be long (because of aquifer response time)		
3	The commitment of Eau de Paris for water quality is constant for tens of years		
4	importance of diversification of agricultural systems with low input crops		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
farmers (200)	Chamber of Agriculture	Water Agency	Ecophyto program
rural communities	Arvalis	region	INRA
	private advisers (Ubios)	department	
	Aqui'Brie association	state services (DDT77)	
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Participative monitoring set up		BRGM-EdP meeting	11-02-20
SCIENTIFIC PUBLICATIONS			

6.3.5 Case study 05 Lower Saxony, DE

Case Study Site 05:	Lower Saxony, DE		
Case Study site leader:	Thomas Beiss-Delkeskamp (assistant: Linda Tendler)		
Contact email address:	Linda.Tendler@lwk-niedersachsen.de Thomas.Beiss-Delkeskamp@LWK-Niedersachsen.de		
Page last updated:			5-Nov-20
KEY MESSAGES			
1 Closing nutrient cycles in the region of Lower Saxony leads to more sustainability.			
2 Transport of farm manure can contribute to close nutrient cycles.			
3 Many different actors have to be involved to improve nutrient management on supra-regional scale.			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
farmers in Süd-Oldenburg (northwest of Lower Saxony)	Federal chamber of agriculture (LWK) - advisors working in respective regions	Federal authority for mining, energy and geology (LBEG)	
farmers in the southeast of Lower Saxony	Private advisory organizations	Federal authority for water, coast and nature (NLWKN)	
	University of Braunschweig (TU BS), Institute for ecology and sustainable chemistry	Federal ministry for agriculture (ML) and federal ministry for environment (MU)	
	Research Institute for Agriculture (TI), Institute for agricultural technology	Local authorities of districts	
	farmer's associations ("Landvolk")	Federal chamber of agriculture (LWK) - coordinators	
		Regional water supplier (OOWV)	
		Agricultural contractors (for farm manure transport/application)	
		federal administration for fertilization ("Düngebehörde")	
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Various articles published in local newspapers / journals about joint project farm manure management	AB	articles	2016-2018
Maintenance/update of websites of the joint project farm manure management and Fairway	ABC public	website www.lwk-niedersachsen.de	2017-2018
Various information events/ field days about use of organic fertilizers	Farmers, contractors	event, homepage of LWK https://www.lwk-niedersachsen.de/index.cfm/porta/betriebumwelt/nav/2092/article/29535.html	spring/summer 2017
Meetings of famers	Farmers, advisors	event	spring/summer 2017
Workshop with other scientific project (BONARES) abot soil compaction	ABC	workshop	Dec 2017
Various meeting of Round Tables (MAPs of Lower Saxony)	ABC	event	15.06.2018 16.10.2018 28.01.2019
Presentation of WP5-results:	B (farmer's representatives) C (Meeting with federal administration for fertilization and ministry for agriculture and environment with advisor from SEGES)	presentation	29.10.2018 21.05.2019 24.06.2019
SCIENTIFIC PUBLICATIONS			
No scientific publications available			

6.3.6 Case study 06 Axios river, GR

Case Study Site 06:	Axios river, GR
Case Study site leader:	Christophoros Christophoridis, Kostantinos Fytianos
Contact email address:	cchrist@chem.auth.gr, fyt@chem.auth.gr

Page last updated:	14-Jan-19
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KEY MESSAGES	
1	Farmers are not alone. There is help here. Best practices for implementation of *. There is a connection between farmers' practice and water quality.
2	Farmers are not threatened, instead they are finding tools to make production better, stick to regulations and change the situation from within.
3	Producers of fertilizers/pesticides feel there are regulations and systems that register their actions and effects. They find products more friendly based on other examples.
4	Water users/community/consumers of drinking water feel there is a system to observe the cycle of nutrients/pesticides. There are tools to help the authorities. Authorities are involved and not staying passive.
Information requested by MAP participants:	

MULTI-FACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers	Producers of fertilisers	Big farms	Ministry of Environment
Animal stock raisers	Village authorities	Municipality	Ministry of Agriculture
Milk producers	Importers of pesticides	Water company/authority	Non-profit organisations
Drinking water consumers		Farmers' Union	NGOs
		Research Institutes	Students
			Media
			EU Agriculture

RECORD OF DISSEMINATION			
Information provided	Target audience	Format or media	Date delivered
Introductory information, aims of FAIRWAY, tasks necessary, participants, frame of project - Vafiohori. Farmers got informed in the activities of FAIRWAY and the MAP details. A discussion on the main innovation that the farmers use. Assessment of the engagement level that the farmers are willing to take.	A(5) farmers and animal stock raisers, B(2) village authority and farmer union, C(1) member of the municipality of Vafiohori	Introductory MAP multiactor enrollment meeting-Vafiohori	18-10-17
Discussion of the main challenges of the area (environmental, agricultural) with authorities and representatives of the scientific community (Polykastro). Main governance details, irrigation legislation. Nitrate legislation and pesticide legislation and its application on the area. Water authorities were informed on the details of FAIRWAY and the notion of MAPs as a tool for environmental management.	A(2) farmers and animal stock raisers, B(1) village authority and farmer union, C(1) member of the municipality of Polykastro	Informative MAP meeting-Polykastro	12-12-17
Presentation of the project to farmers and local water authorities representatives. Discussion of the main challenges of the area, the main cultivations and water problems.	A(2) farmers, B(2) village authority and farmer union, C(1) member of the municipality of Agios Pavlos	MAP meeting sub-area Agios Pavlos	23-02-18
Travel to Athens for a visit and information from public services related to the Water Quality Directive 2000/60 and successful completion of the project (Ministry of Rural Development, Ministry of Environment, Central Water Region, EYDAP, State Chemical Laboratory) of relevance to WP3 (Monitoring and Indicators for Soil Quality and Water for Rural Use), WP4 (Review of Measures and Practices of Ministries and Water Directorates to Reduce the Use of Nitrates, Pesticides and Large Waters); WP6 (Legislation and directives at State and local level for the protection of water from agricultural activities).	D(5) Ministry of Rural Development, Ministry of Environment, Central Water Region, EYDAP, State Chemical Laboratory	Dissemination to the ministry and Water Central Authorities of Greece	17-4-2017 and 19-4-2018
Meeting to discuss activities and next steps of the MAP including the necessary tools and monitoring results for nitrate mitigation. Discussion on innovative ideas and farmer's new applications, presentation of other countries initiatives and ideas on reducing nitrate and pesticide pollution. Renewal of farmer's inspiration, agreement on the next steps, information on the problems of the area and ideas to make them better, information to the farmers on the decision support tools and new EU initiatives for denitrification. Assessment of the engagement level once again.	A(5) farmers and animal stock raisers, B(2) village authority and farmer union, C(1) member of the municipality of Vafiohori	MAP annual meeting in Vafiohori	03-05-18
detailed discussion on the problems of the area, special problems of the area's crops, main innovation methods that the farmers apply, information of non-chemical fertilization methods, information to water authorities and farmers association on the EU initiative for denitrification as well as the main FAIRWAY objectives	A(2) farmers, B(2) village authority and farmer union, C(1) member of the municipality of Agios Pavlos	MAP annual meeting in Agios Pavlos	04-07-18

SCIENTIFIC PUBLICATIONS	
C. Christophoridis, E. Mitsika, E. Evgenakis, A. Chatzimpaloglou, K. Fytianos. "The presence of multi-class pesticides in water originating from Axios River Basin – A water quality tool for the first multi-actor platform". 19-22/6/2018, 40th International Conference on Environmental & Food Monitoring, Santiago de Compostela, Spain.	

6.3.7 Case study 07 Derg catchment, UK

Case Study Site 07:	Derg catchment, UK
Case Study site leader:	Rachel Cassidy, Donnacha Doody
Contact email address:	Rachel.Cassidy@afbini.gov.uk, Donnacha.Doody@afbini.gov.uk
Page last updated:	04-Nov-20

KEY MESSAGES

1	Connecting MCPA use for rush and broadleaf weed control in extensive and improved grasslands to impact (contaminated and expensive water).
2	Improvements (using DST) to farm practices in pesticide use.
3	Increased awareness across all stakeholders
4	Identifying policy conflicts within and across jurisdictions

Information requested by MAP participants:

MULTI-ACTOR PLATFORM PARTICIPANTS

Local			
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers, land managers	Anglers' Association	Northern Irish Water	Ulster Wildlife
	Northern Irish Water	Irish Water	National Pesticides
	Local water treatment works	EPA (Environmental Protection Agency, Ireland)	Agri-Food and Bioscience Institute
	Rivers Trust	NIEA (Northern Ireland)	
	Donegal County Council	DAFM (Department of Agriculture, Food and the Marine) Republic of Ireland	
	Fermanagh and Omagh Council	DAERA (Department of Agriculture, Environment and Rural Affairs (Northern Ireland))	

RECORD OF DISSEMINATION

Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.

Information provided	Target audience	Format or media	Date delivered
Outline of the Fairway project and AFBI involvement in the Derg Case Study	C (Wexford County Council), B (Teagasc, WaterProtect team members)	Meeting in Teagasc Ashtown, Dublin, Ireland	14th February 2018
Presentation of risk mapping as a basis of decision support for MCPA pesticide risk in the Derg case study catchment (relevant to DST development as part of WP5 in Fairway)	B, C, D (Northern Irish Water, Irish Water, Rivers Trust; partners on the INTERREG VA Source to Tap project)	Meeting in NIW Seagoe Portadown, Northern Ireland	27th June 2018
Outline of Fairway decision support tool and app development to Department of Agriculture, Environment and Rural Affairs and Northern Ireland Environment Agency	C, D (Department of Agriculture, Environment and Rural Affairs; Northern Ireland Environment Agency)	Conference call to meeting	6th November 2018
Analysis of the Derg MAP dimensions	B (NIWater, Rivers Trust)	Meeting at the Rivers Trust Office in Ballinderry	31st January 2018
Overview of Task 6.2, policy analysis	D (Lord Curry, Member of the House of Lords)	Meeting at AFBI Hillsborough	29th of August 2018
Update of catchment activities	B (Catchment MAP coordinators)	Meetings at various locations	Every 3 months
Outline of Fairway decision support tool and app development to Northern Ireland Water and Irish Water	B/C (Northern Ireland Water, Irish Water)	Meeting at AFBI Hillsborough	21st January 2019
Outline of the Fairway project	D (Ulster Wildlife)	Meeting at Ulster Wildlife headquarters	15th February 2019
Outline of WP5.5 and gathering of target audience opinion on the proposed app	A (Farmers and professional pesticide users)	In-person presentation at CAFRE training day	28th February 2019
Outline of the Fairway project	A (Northern Ireland Environment Agency)	Meeting at NIEA headquarters	29th March 2019
Outline of WP5.5 and gathering of opinion on the proposed app from Source to Tap field staff	B (Rivers Trust)	Rivers Trust HQ	1st April 2019
Outline of the Fairway project	C (Department of Agriculture, Food and the Marine, Irish Water, Drinking Water Inspectorate and assorted bodies representing professional pesticide users)	Department of Agriculture, Food and the Marine HQ, Dublin	23rd May 2019
Outline of WP5.5 and gathering of target audience opinion on the proposed app	A (Farmers and professional pesticide users)	In-person presentation at CAFRE training day	14th June 2019
Outline of WP5.5 and gathering of farmer trainers opinion on the proposed app	B (Trainers employed by CAFRE to provide pesticide-relevant professional training)	In-person presentation at CAFRE training day	17th July 2019
Outline of WP5.5 and gathering of Source to Tap's committee members opinion on the proposed app	B (NIWater, Rivers Trust, Irish Water, Ulster University)	In-person presentation at NIWater HQ	9th October 2019
Outline of WP5.5 and gathering of committee members opinion on the proposed app	C (Department of Agriculture, Food and the Marine, Irish Water, Drinking Water Inspectorate and assorted bodies representing professional pesticide users)	Department of Agriculture, Food and the Marine HQ, Dublin	13th November 2019
Outline of FAIRWAY project and development of Ireland-focussed DST	D (Agri-Food and Bioscience Institute)	Poster - internal review of current research meeting	27th February 2020

SCIENTIFIC PUBLICATIONS

6.3.8 Case study 08 Overijssel, NL

Case Study Site 08:	Overijssel, NL		
Case Study site leader:	Cors van den Brink		
Contact email address:	cors.van.den.brink@rhdhv.com		
Page last updated:	5Nov2020		
KEY MESSAGES			
1	Farming for drinking water helps realising WFD objectives		
2	Improving nutrient use improves both the financial profit of farmers and the quality of groundwater		
3	Engagement of farmers increases by being taken seriously, supported monitoring data of groundwater quality and political support.		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local	Regional		National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers	Royal HaskoningDHV	Province	Ministry *
Agricultural contractors	Wageningen University	Water company	6th Nitrate Action Programme
	Countus		
	Stimuland		
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Approach & results to EU-delegates	A (18), B (4), C (3), D (4)	meeting at farm	18-04-18
Info about aims, farmers, locations, results	A, B, C, D	website, twitter	continuous
Approach & results	B, C, D	article, press release, online paper	01-08-17
Approach & results	B, C, D	Land Use & Water Quality congress	2015, 2017, 2019
Approach & results	B, C, D	political meeting enhancing the implementation of the 6 th NAP	12-02-18
Approach & results	B, C, D	articles in online expert journals (Geo-Info, Melkvee)	2018, 2019, 2020
Approach	B, C, D	Example in 6th Nitrate Action Programme	12-12-2017
Boeren zorgen voor schoon drinkwater (zie bijlage persbericht)	B, C, D	Article in technical journal https://www.nieuweoogst.nl/nieuws/2020/02/10/boeren-zorgen-voor-schoon-drinkwater-in-overijssel	10-Feb-20
Nitraatuitspoeling door boeren gedaald in kwetsbare Overijsselse gebieden	B, C, D	Article in technical journal https://www.h2owaternetwerk.nl/h2o-actueel/nitraatuitspoeling-door-boeren-gedaald-in-kwetsbare-overijsselse-gebieden	08-Jan-20
Boeren in het oosten dupe van opzettewembaden	B, C, D	Article in technical journal https://www.nieuweoogst.nl/nieuws/2020/06/15/boeren-in-het-oosten-dupe-van-opzettewembaden	15-Jun-20
Vitens aan consumenten van drinkwater met daarin een berichtje en link naar website boeren voor drinkwater	Public	Newsletter with link to website	
Reportage door RTV Oost met interview met Gerben Korten en Erik Rensen op tv	Public	News item on regional media http://portal.rtvmonitor.nl/#/summary/2833873?token=cUpTMnoxU0g0Q2w4UW45R2I3eE0vNitwSGx6Z3pTUldDU0lXR1JaTWFxcVWVXVWsxajFEEdWpMcS8vWmhnV015c1VVShabmVZR1NveWd3Tk5GaGI0YkR3L0J6bDB3YXJnN294NVF1VnN5SVQzTGJXVVVpTDdlZz090	03-Feb-20
Erik uit Holten blij met het project Boeren voor Drinkwater: "Het is een win-winsituatie"	Public	News item on regional media https://www.rtvooost.nl/nieuws/325283/Erik-uit-Holten-blij-met-het-project-Boeren-voor-Drinkwater-Het-is-een-win-winsituatie	03-Feb-20
Gewasbescherming Boeren voor Drinkwater (Crop protection farmers for drinking water)	Public	https://www.youtube.com/watch?v=e5GDbyDsgYg	15-Jun-20
Boeren voor Drinkwater (Farmers for drinking water)	Public	https://www.youtube.com/watch?v=TYvpYUAWOwA	07-Sep-20
SCIENTIFIC PUBLICATIONS			

6.3.9 Case study 09 Noord-Brabant, NL

Case Study Site 09:	Noord-Brabant, NL		
Case Study site leader:	Peter Leendertse		
Contact email address:	pele@clm.nl		
Page last updated:	9/Nov/20		
KEY MESSAGES			
1	Strong cooperation between regional stakeholders contributes to effective reduction of pesticide leaching.		
2	Involvement of retailers as stakeholders is crucial to implement reduction measures.		
3	Each farmer or contractor can take measures to reduce pesticide leaching and should take those measures that are apt for his farm or contractor business		
4			
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers	Advisors	Water bodies	European Commission
	Civilians	NGO	Environment Agency
	Local government	Regional government	NGOs
		Retailers	Scientific community
		Farmers' Union	
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Advice on crop protection & preventing emission to water (crop disease and weed prevention, use of decision support systems, determining necessity for spraying, choice of pesticide etc)	A (10-15 per meeting), B (1-3 per meeting), C (occasionally)	around 60 field meetings per year for farmers, contractors, advisers	January 2018 – November 2020
Informing on spray techniques to reduce emission, farmyard run off, soil cultivation, personal safety etc	A (100-200 per meeting), B (10-20 per meeting)	4 big demonstration meetings per year for farmers contractors and advisers	January 2018 – March 2020 (in 2020 this was not possible, so online meetings or meetings with smaller groups in carroussel were organised)
Advice/ discussion on Integrated Pest Management strategy of the individual farmer or contractor	A (60)	around 70-80 home visits per year to farmers and contractors	January 2018 – November 2020
Recommendations on crop protection throughout the growing season	A (500)	30 emails per year	January 2018 – November 2020
Informing stakeholders on / discussing with them the progress and plans in the project Schoon Water for Brabant.	A (4), CI(6) plus ourselves as advisors	2 MAP meetings per year	January 2018 – November 2020
Informing on the activities and results of the project Schoon Water for Brabant	A (500), B (20), C (40)	3 digital newsletters per year	January 2018 – November 2020
Informing on the results of the project Schoon Water for Brabant	A, B, C, D	2-4 press releases per year	January 2018 – November 2020
Informing about the project's meetings	A, B, C, D	reports of our meetings on our website	January 2018 – November 2020
Informing on the activities and results of the project Schoon Water for Brabant	A, B, C, D (around 600 followers)	twitter messages accompanying all mentioned publications	January 2018 – November 2020
SCIENTIFIC PUBLICATIONS			

6.3.10 Case study 10 Vansjø, NO

Case Study Site 10:	Vansjø, NO		
Case Study site leader:	Ingrid Nesheim		
Contact email address:	Ingrid.Nesheim@niva.no		
Page last updated:	4-Nov-20		
KEY MESSAGES			
1	The sustainability of engagement platforms depends on external frames within the larger governance system.		
2	Continued financial support of engagement platforms for planning and for coordination activities are essential.		
3	A multi-actor engagement platform will it self not allow for interaction with a sufficient number of farmers - considering different types of farmers (small scale, large scale, etc.) additional workshops or focus group discussions with farmers are needed.		
4			
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Representative from the Norwegian farmer organization in Østfold	Nine agro-environmental advisors (9 municipalities)	County governor Oslo Viken, agricultural office	
Representative from the Norwegian farmer organization in Østfold	MOVAR (The water company)	County governor Oslo Viken environmental office	
	Sub-basin district chair	Norwegian Water Resources and Energy directorate regional office	
	Environmental NGO.		
	Land owner organization		
Note: The multiactor platform consists of the Sub-basin District Board, and assoicated working groups. The project has mostly interacted with the agricultural working group. Yet the engagement platform also consist of the sub-basin district board			
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
e.g. Aims of FAIRWAY	A (15), B(5), C(2), D(1), public (3)	Regional workshop	21-06-18
History of Vansjo catchment (EN)	Farmers, public	Infographic	05-09-19
Future trends and actions (NO)	Farmers, public, advisors	Rollup	01-09-20
Different decision making tools available in Norway for fertilizer and for pesticides	Farmers, private companies, policy makers	Flyer	Available late 2020
Cross-municipal and sectoral cooperation has enabled the implementation of measures to improve water quality	Mayor in Våler municipality, Farmers, public, advisors,	Video https://youtu.be/7Fp3Kbxs87Y (EN subtitles to be added)	15-04-20
SCIENTIFIC PUBLICATIONS			

6.3.11 Case study 11 Baixo Mondego, PT

Case Study Site 11:	Baixo Mondego, PT		
Case Study site leader:	Antonio Ferreira		
Contact email address:	aferreira@esac.pt		
Page last updated:	05/Nov/20		
KEY MESSAGES			
1	Improving dialogue and collaboration between different actors (farmers, water companies, research institutes, authorities) helps create a connection between groundwater protection and agricultural production.		
2	DSTs are an important tool to help and advice farmers to use the best practices and to planning the application of fertilizers, in order to optimize crop yield and prevent pollution problems associated with nitrates and nitrogen.		
3	Monitoring and relating to agricultural practices is fundamental to develop strategies to reduce fertilizer use.		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers	Farmers' Associations	Environmental authorities	
	Local Water Authorities/management	Agriculture authorities	
		Planning authorities	
		Regional water management companies	
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Aims of MAP	C (Environmental authorities)	MAP meeting	3.10.2017
Aims of MAP	C (Planning authorities)	MAP meeting	7.10.2017
Aims of MAP	B (Farmers' Association)	MAP meeting	5.12.2017
Aims of MAP	B/C	MAP meeting	24.4.2018
Aims of FairWay	A/B/C	MAP annual meeting	24.7.2018
Aims of MAP	A/B/C	MAP meeting	13.8.2018
Aims of MAP	A/B/C	MAP meeting	6.12.2018
Aims of MAP	A (farmers)	MAP meeting	16.4.2019
Aims of FairWay	A/B/C	MAP annual meeting	19.7.2019
Aims of MAP	B	MAP meeting	17.6.2020
Aims of MAP	C	MAP meeting	2.9.2020
SCIENTIFIC PUBLICATIONS			

6.3.12 Case study 12 Arges-Videa, RO

Case Study Site 12:	Arges-Videa, RO		
Case Study site leader:	Irina Calciu		
Contact email address:	irina.calciu@icpa.ro		
Page last updated:	6-Nov-20		
KEY MESSAGES			
1	Optimum nitrogen and pesticides rates applied according to the plant need and specific local conditions avoid water bodies pollution by surface runoff and leaching		
2	Proper nutrients management at farm level increases the security and safety of food production		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
farmers from Arges-Videa watershed	County Survey Offices	INCDPAPM - ICPA Bucharest	INCDPAPM - ICPA Bucharest
	Local private advisors	Academic media representatives	Academic media representatives
	Communa hall representatives		
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
to inform on Fairway project progress, to collect data on local problems, to collect suggestions of the stakeholders, to plan the activities for a good nutrient management at local level, to inform on Fairway project progress, to collect data on local problems, to collect suggestions of the stakeholders, to plan the activities for a good nutrient management at local level	A (7), B (3), C , D (8)	MAP meeting	23.07.2018
Workshop with other scientific national project (INTERASPA) about water loaded with different compounds and sediments and water flux from groundwater to surface water	C, D (15)	workshop	19.10.2018
Workshop in the study site area on dissemination of the revised Code of Good Agricultural Practices for water protection against pollution with nitrates from agricultural sources and of the revised Action Program	A (15), C (35)	workshop	10.10.2019
Dissemination of some results related to applying an optimum fertilization plan at farm level	D (15)	symposium	07-08.11.2019
Establishing best management practices in the study site area according to the specific local conditions	researchers (5), academic media (2) and local public authority (1)	Workshop	Sep-20
SCIENTIFIC PUBLICATIONS			

6.3.13 Case study 13 Dravsko Polje, SI

Case Study Site 13:	Dravsko Polje, SI		
Case Study site leader:	University of Ljubljana (Matjaž Glavan - CS leader); KGZS - Zavod Maribor (Katarina Kresnik - MAP coordinator; Gregor Kramberger - MAP analyst)		
Contact email address:	matjaz.glavan@bf.uni-lj.si, katarina.kresnik@kmetijski-zavod.si, gregor.kramberger@kmetijski-zavod.si		
Page last updated:	29.10.2020		
KEY MESSAGES			
1	How to farm on the water protection areas for better slurry management with new application technologies.		
2	How to reduce inputs of fertilisers and pesticides with improvements of existing DST.		
3	How to adjust the legislation that farmers have to fulfill to allow longterm steady development of agriculture in the area.		
4	How to effectively connect different actors (farmers, water companies, ministries) in water protection area for drinking water quality improvements.		
Information requested by MAP participants:			
MULTI-ACTOR PLATFORM PARTICIPANTS			
Local		Regional	National
A	B	C	D
Farmers, land managers	Research institutes, technicians & advisors, farmer unions, enterprises, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs	Payment agencies, government offices, research institutes, policy makers, NGOs
Farmers (several)	Agricultural advisors	This level doesn't exist in Slovenia	Ministry for agriculture
Local farmers incentives	Municipalities (several)		Ministry for environment
Agro-business	Water company Ptuj		
	Water company Maribor		
RECORD OF DISSEMINATION			
Note: Dissemination activities within the MAPs should be reported in your WP2 MAP activity logs. Only include here any additional dissemination you do.			
Information provided	Target audience	Format or media	Date delivered
Educational video	A, B, D	Youtube video	26. 11. 2019
ANCA	A, B, D (35)	Open event, workshop	4. 3. 2019
DEMO event – Improving the water quality of vulnerable aquifers - challenges and solutions?	A, B, D (66)	Open event, workshop	28. 1. 2020
General information on CSS Dravsko polje	A, B, D	Infographic	20. 7. 2020
Paper on FAIRWAY mid-project results at Vodni dnevi / Water Days	B, D	expert paper	18. 9. 2020
Paper on MAP activities at Mišič Water day	B, D	expert paper	27. 11. 2020
SCIENTIFIC PUBLICATIONS			

7 ANNEX 2: BUILDING DISSEMINATION AND COMMUNICATION SKILLS IN THE CONSORTIUM

A training event on “Using Social Media for Dissemination” was delivered from 10:30 to 13:00 on Wednesday 20 June 2018 at the second FAIRWAY plenary meeting in Aalborg, Denmark. The aim was to enable the partners to produce the kind of succinct and highly visual material that social media uses best and which is slightly different from usual scientific output. The meeting was attended by some 48 members of the FAIRWAY consortium and all work packages and study sites were represented.

Extensive “Guidelines for using social media for dissemination” were prepared for the event.

The training presentation and guidelines are all included in Deliverable 8.3 (August 2018)

8 ANNEX 3: OPEN ACCESS AND DATA MANAGEMENT (COORDINATION)

The Open Access and Data Management Plan is contained in Deliverable 1.2 (November 2017).