



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Chesapeake Bay Program Office

FieldDoc Training Webinar 1

Tom Wolf, Governor

Patrick McDonnell, Secretary

Introduction to FieldDoc

- What, Why, Who, When, Where and How will FieldDoc play a role in Data Management?
- Data Tools Review Team
- Registering for a FieldDoc Account
- Next Steps

Journey to Success for Data Management

October 2018 - March 2019:
request from Pilot counties
for data management tool

May 2019: PA DEP formed a technical group to
partner with Chesapeake Commons, EPA and the
Chesapeake Conservancy to create data management
tool

June 2019: Lancaster and
York provided input and
feedback on data
management tool

August 2019: Integration of Chesapeake
Conservancy's prioritization layers

Fall 2019: Public release of
FieldDoc pilot counties for
data management

Bi-weekly integration meetings
with Chesapeake Commons and
PracticeKeeper

March 2020: formation
of the Data Tools Review
Team

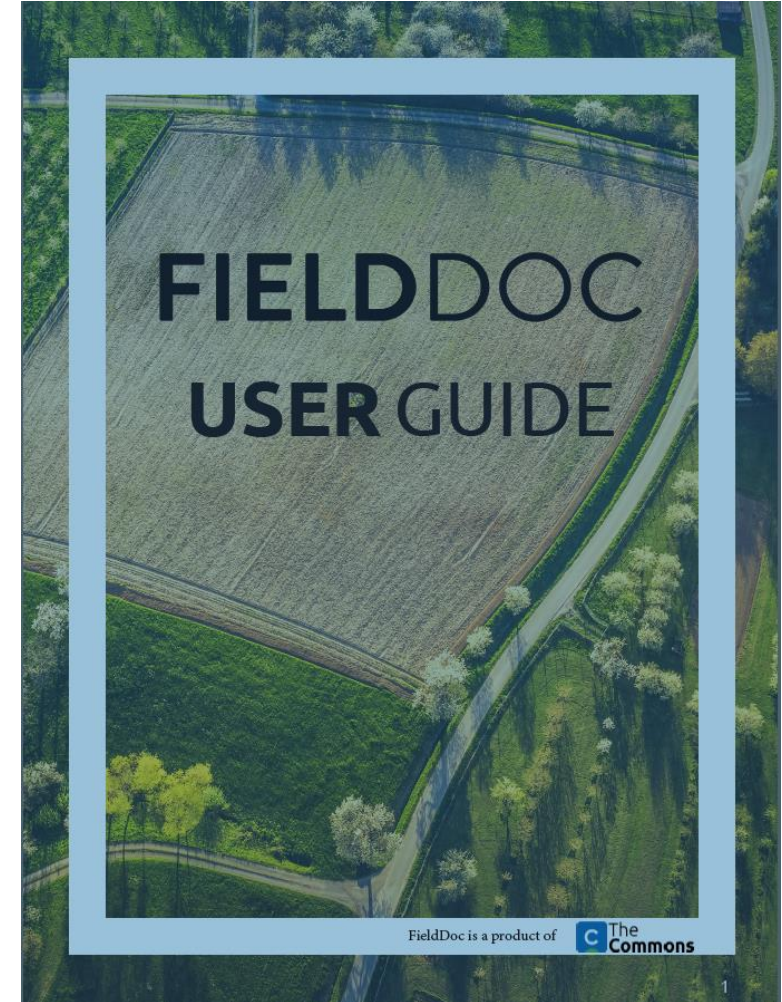
Continued Enhancements and
improvements to FieldDoc

August 2020: begin
rollout of FieldDoc to local
partners

**Data Management
Tools**

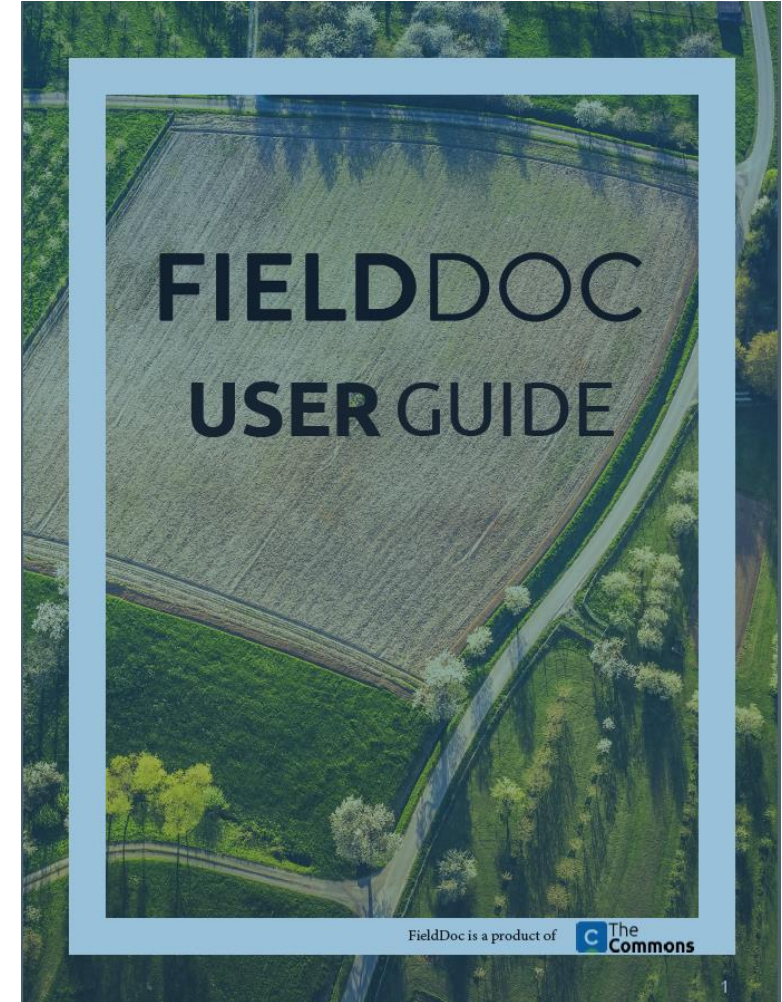
What is FieldDoc?

- FieldDoc is an online Data Management Tool to assist with tracking and reporting efforts for Best Management Practices.
- FieldDoc will be used to measure progress toward implementation of your Countywide Action Plan.
- It is free to all users.
- An integrated tool that will communicate with other state and federal reporting systems, to show transparent progress.
- National Fish and Wildlife Foundation (NFWF) does utilize FieldDoc for it's grant reporting.



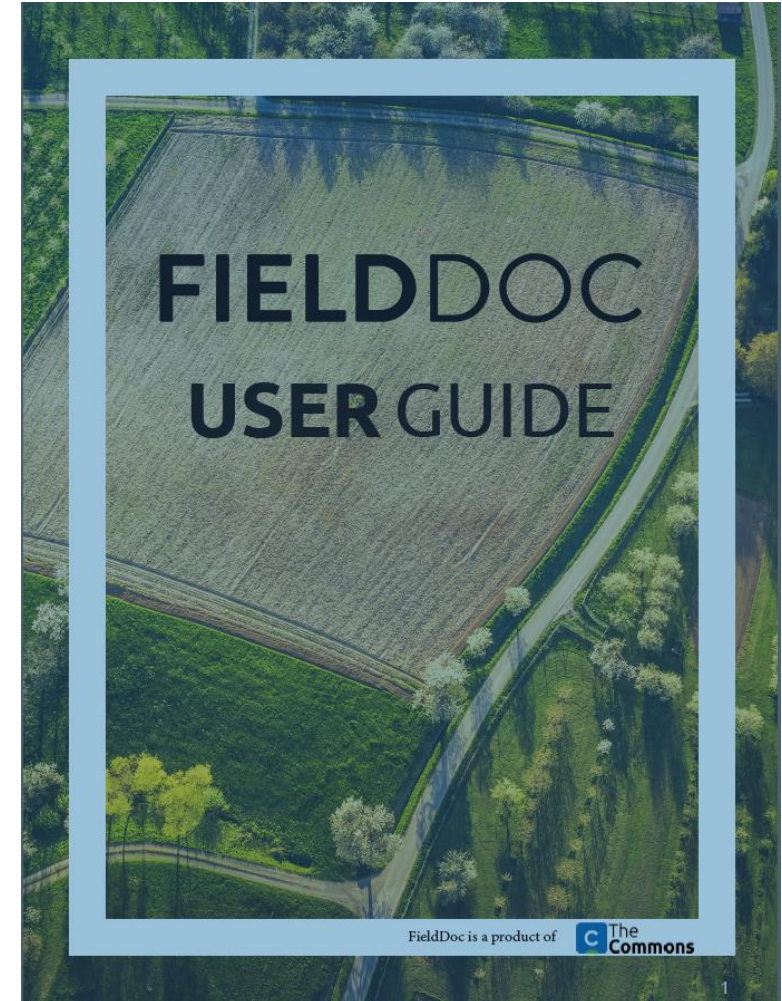
Why FieldDoc?

- You deserve credit for the work you have done and will be doing!
- Local partners need a data management tool to understand where projects are located.
- To track progress toward implementation of your Countywide Action Plan.
- We need transparent progress and accountability built into an integrated data management tool.
- Grant programs require various reporting methods, some of the Chesapeake Bay Grants will require reporting through FieldDoc.



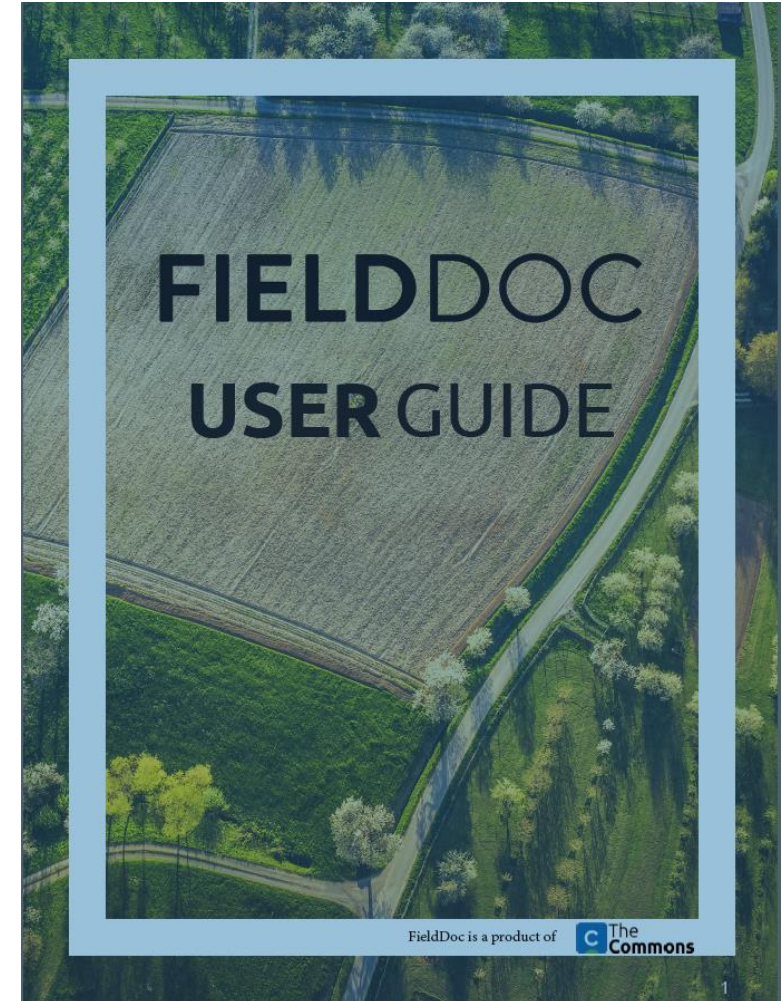
When do you have to Report BMPs?

- September of each year we begin to collect reported Best Management Practices from the prior year.
- For 2020, you will have until October 9th to enter your projects.
- **Don't worry if you do not enter your project before the end of September!** It will be counted for the 2021 reporting year.
- All projects must be implemented and reported by June of 2025 in order to be counted toward your Countywide Action Plan.
- Each grant program requires different reporting dates. Be familiar with your grant program.



Who Will Use FieldDoc to Report BMPs?

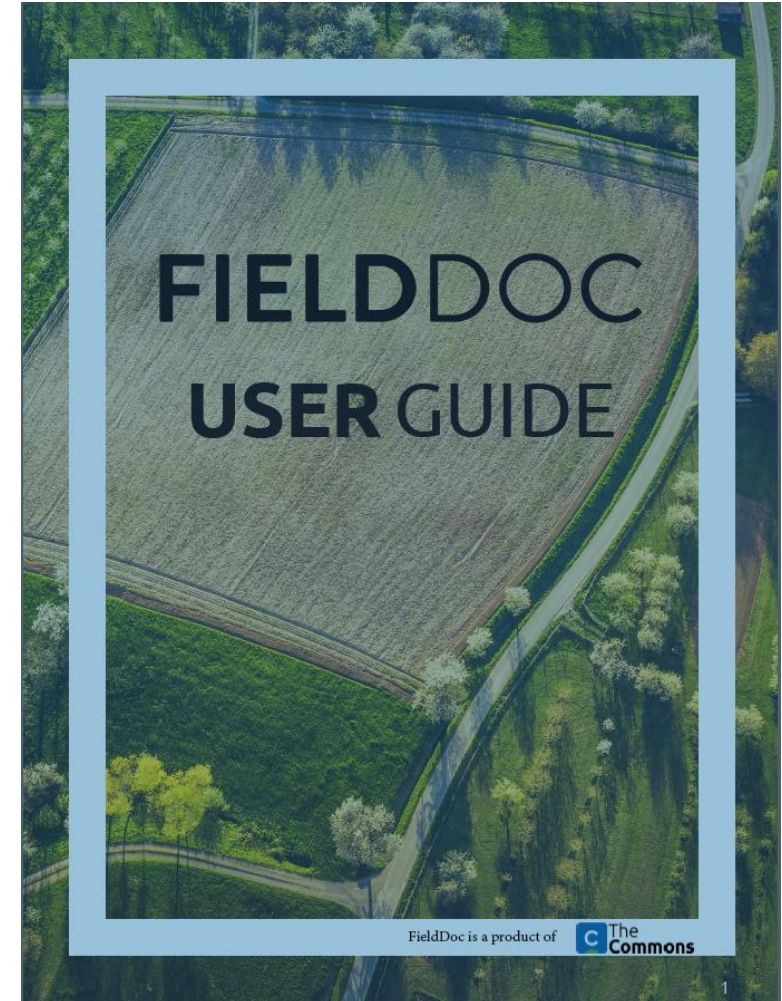
- County Community Clean Water Action Plan Coordinators
- Members of a Data Action Team
- Project Implementors
 - Watershed Organizations
 - Master Watershed Stewards
 - Academic Institution
 - Municipalities not under an MS4 PRP requirement
- Local partners who implement projects, but do not report through a state or federal program.



Who Will **NOT** Use FieldDoc to Report BMPs?

- Grantees of a state or federal grant program
- County Conservation Districts
- Agriculture groups implementing Ag BMPs
- NRCS
- Local partners implementing Ag BMPs
- MS4 Municipality PRP Plans
- Permittees of Chapter 102 or 105 Program
- Homeowners

These users will continue to utilize their existing reporting structures for reporting BMPs.

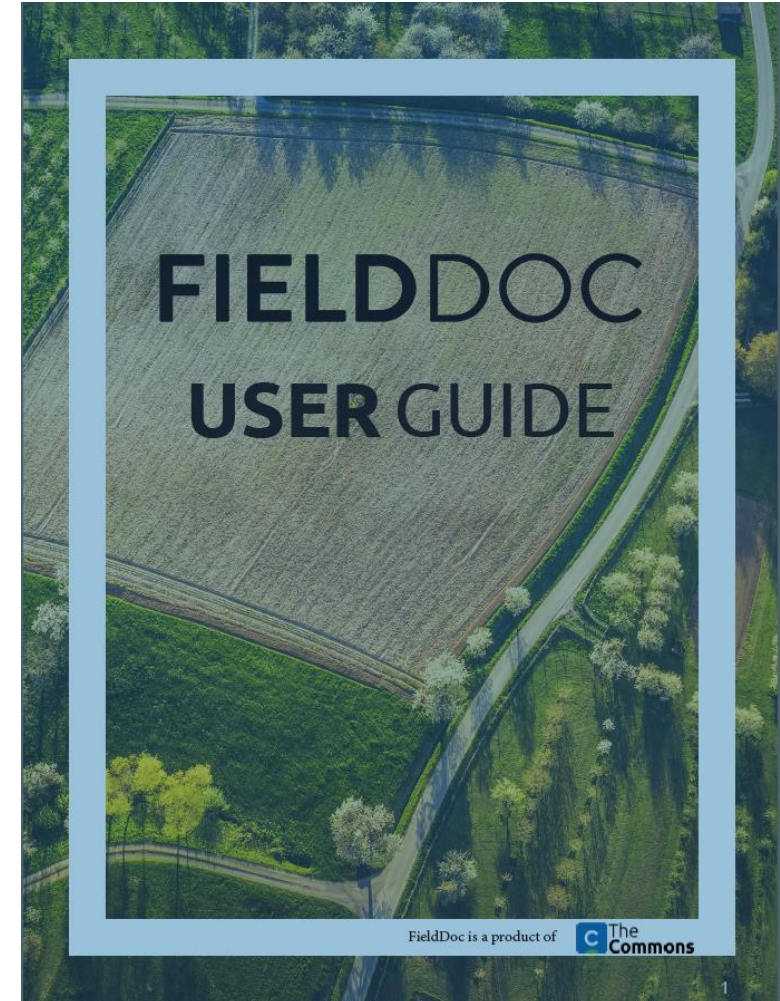


How are BMPs Currently Reported?

- Best Management Practices are currently reported through state or federal grant programs
- Conservation Districts and private Ag consultants using PracticeKeeper
- Permitting through Chapter 102 or 105
- MS4 Municipalities who are required to submit a Pollutant Reduction Plan (PRP)
- Existing state and federal programs will continue to report through existing structures. FieldDoc will not change their reporting structures.

What BMPs will be entered into FieldDoc?

- Best Management Practices that are **NOT** currently reported through state or federal grant programs
- Non-agriculture BMPs with exception to buffers and stream restoration, that are **NOT** captured through a permit or grant program, and **NOT** reported through the Conservation District
- BMPs that are **NOT** Permitted through Chapter 102 or 105
- BMPs that are **NOT** associated with a MS4 Municipality who is required to submit a Pollutant Reduction Plan (PRP)

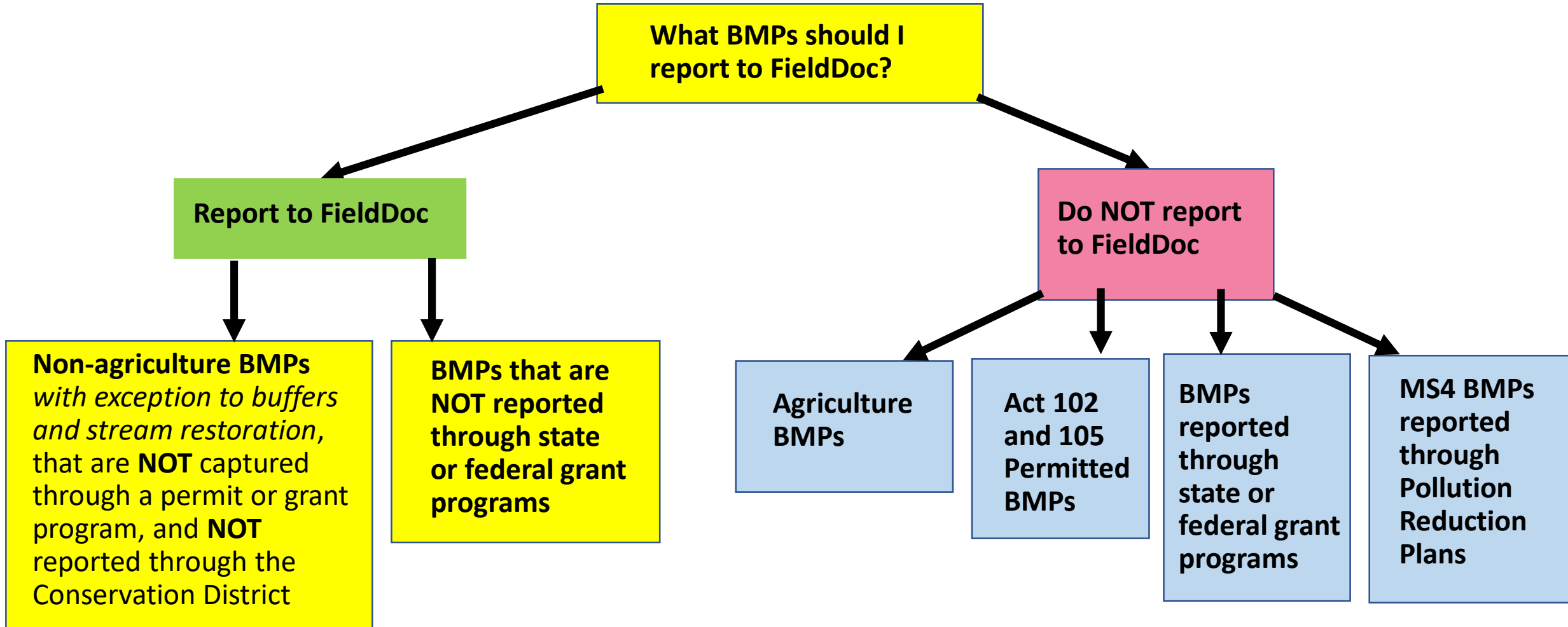


What BMPs will be entered into FieldDoc?

- BMPs in FieldDoc have been limited to a specified list of BMPs, that are eligible to be reported in FieldDoc.
- Here is an example of what BMP selection will look like in FieldDoc.

Bioretention/rain gardens - C/D soils, underdrain DEVELOPED · STORMWATER MANAGEMENT	<input type="radio"/>
An excavated pit backfilled with engineered media, topsoil, mulch, and vegetation. These are planting areas installed in shallow basins in which the storm water runoff is temporarily ponded and then treated by filtering through the bed components, and through biological and biochemical reactions within the soil matrix and around the root zones of the plants. This BMP has an underdrain and is in C or D soil. Use this BMP where the specific design is unknown. FieldDoc calculates the estimated reduction using the practice drainage area. Location should display the drainage area of the practice.	
Bioswale DEVELOPED · STORMWATER MANAGEMENT	<input type="radio"/>
With a bioswale, the load is reduced because, unlike other open channel designs, there is now infiltration into the soil. A bioswale is designed to function as a bioretention area. FieldDoc calculates the estimated reduction using the practice drainage area. Location should display the drainage area of the practice.	

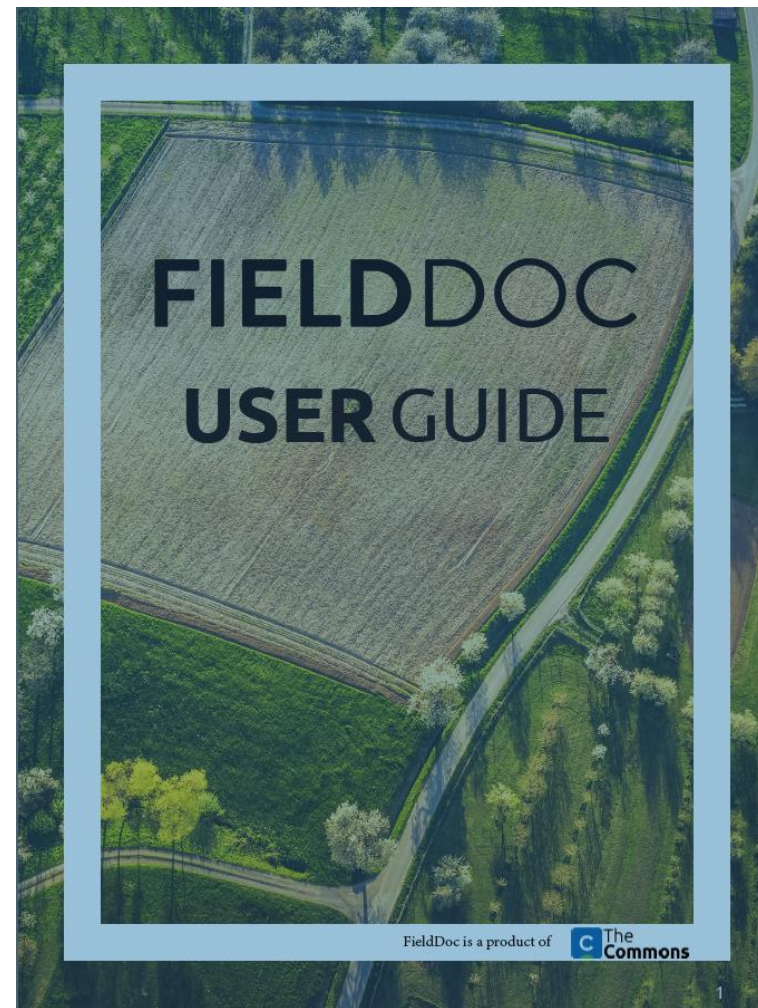
Flow Chart for BMPs entered into FieldDoc



What to Consider Before Reporting BMPs in FieldDoc

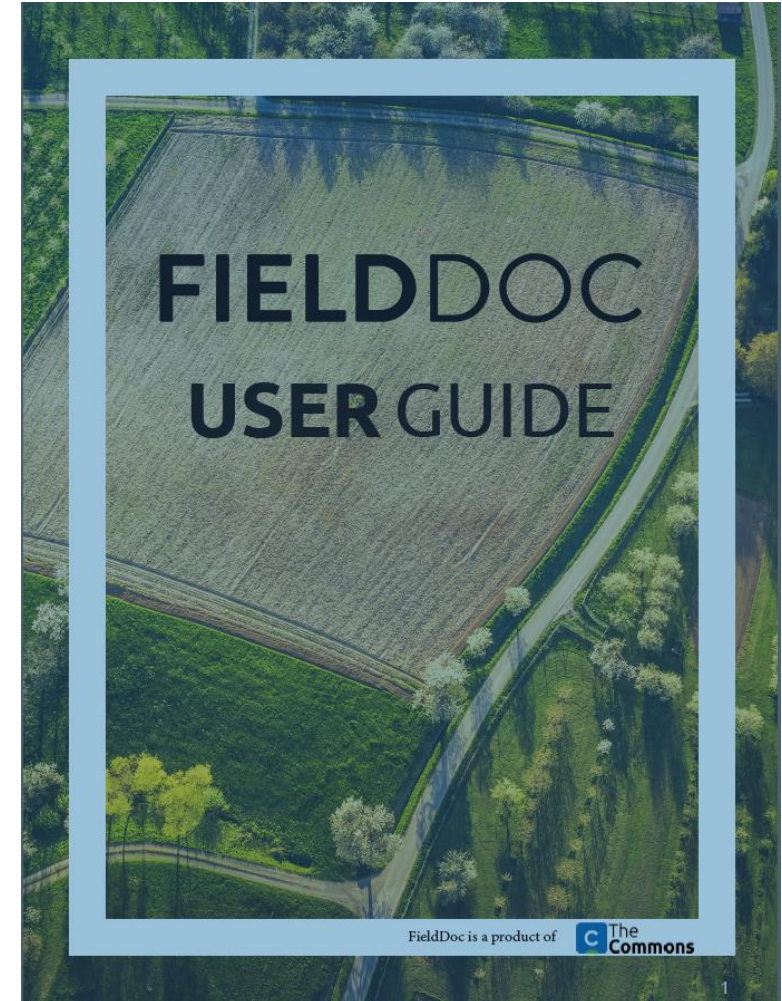
1. Is this practice on the list of approved BMPs in FieldDoc? (Yes)
2. Was this project funded by a state or federal grant program that already reports data to DEP/EPA? (No)
3. Did this project receive a permit that would report to DEP/EPA? (No)
4. Is this project apart of an MS4, Pollutant Reduction Plan? (No)

If your answer matches the answer in parenthesis, then report your project into FieldDoc!



FieldDoc is an Integrated System

- FieldDoc will communicate with state and federal reported data.
- All data from state and federal systems will be visually shown in FieldDoc in an aggregated form at the HUC-12 watershed level.
- This feature will be completed in the coming months, but it is important to understand how we are communicate with other sources to show transparent progress.
- Systems that utilize e-reporting will be aggregated on a monthly basis. Those who report on an annual basis via a BMP template will be aggregated into FieldDoc annually.
- FieldDoc will not change the need to report to other systems. FieldDoc will compliment other systems in filling the gap of “unreported BMPs.”



Current Flow - BMP Data

Progress – Existing Programs

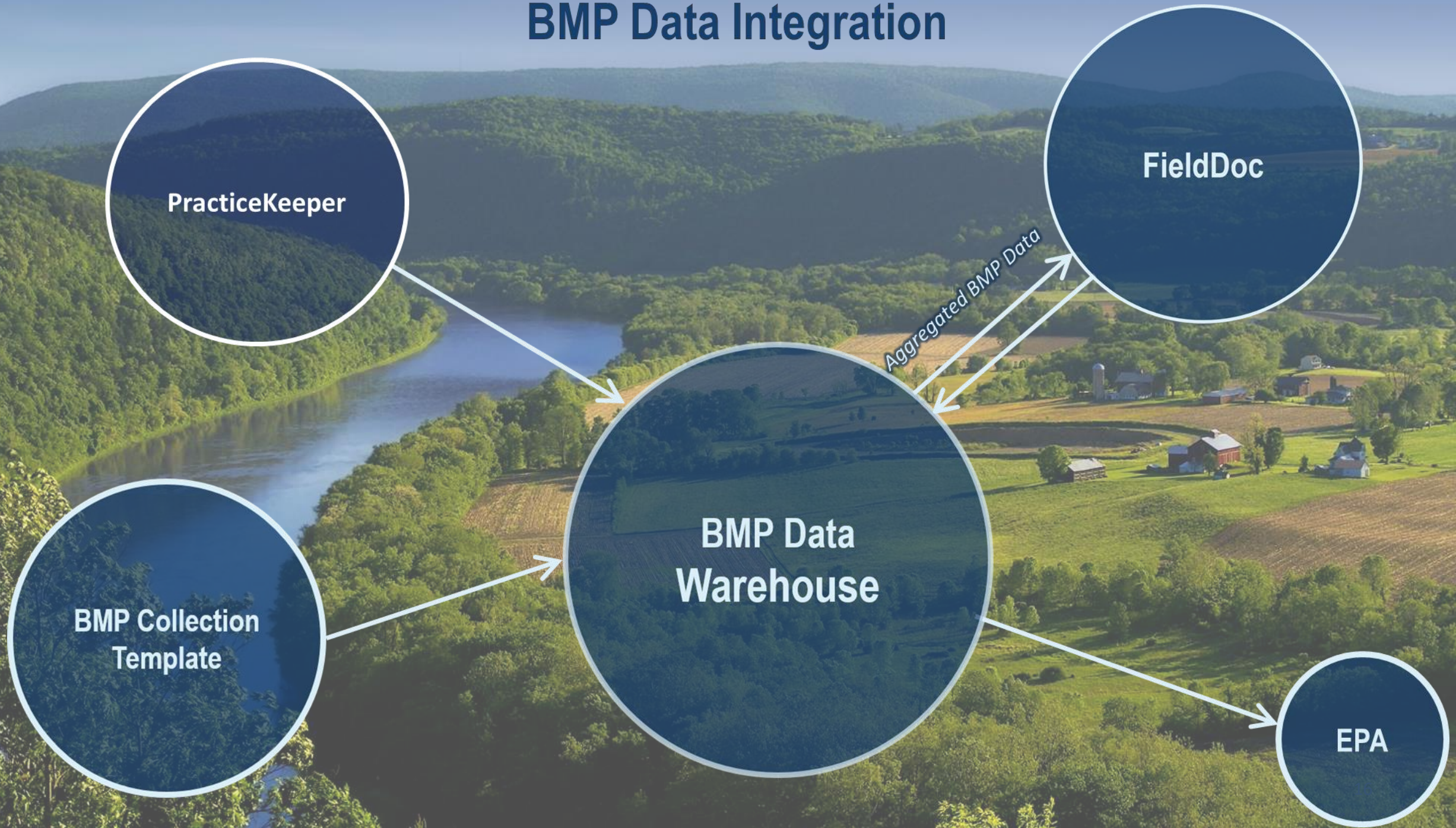
Documented Programs

Capital Resource Conservation	Air
NRCS	Mining/Abandoned Mine Reclamation
Stream Fencing	Redevelopment/Brownfields Retrofits
REAP	Oil & Gas E&S Control Permits
Act 38/Inspection Program	Wetland Mitigation
PA Game Commission	CBF 10 Million Trees - Tentative
DCNR	Nutrient Trading Program
Dirt and Gravel Road Program	MS4 Program
Chapter 102 Post Construction	
PENNVEST	
NFWF	
319 Non Point Source	
EPA Chesapeake Bay Grant	
Chapter 105 Program	
Growing Greener	

BMP Collection
Template,
PracticeKeeper

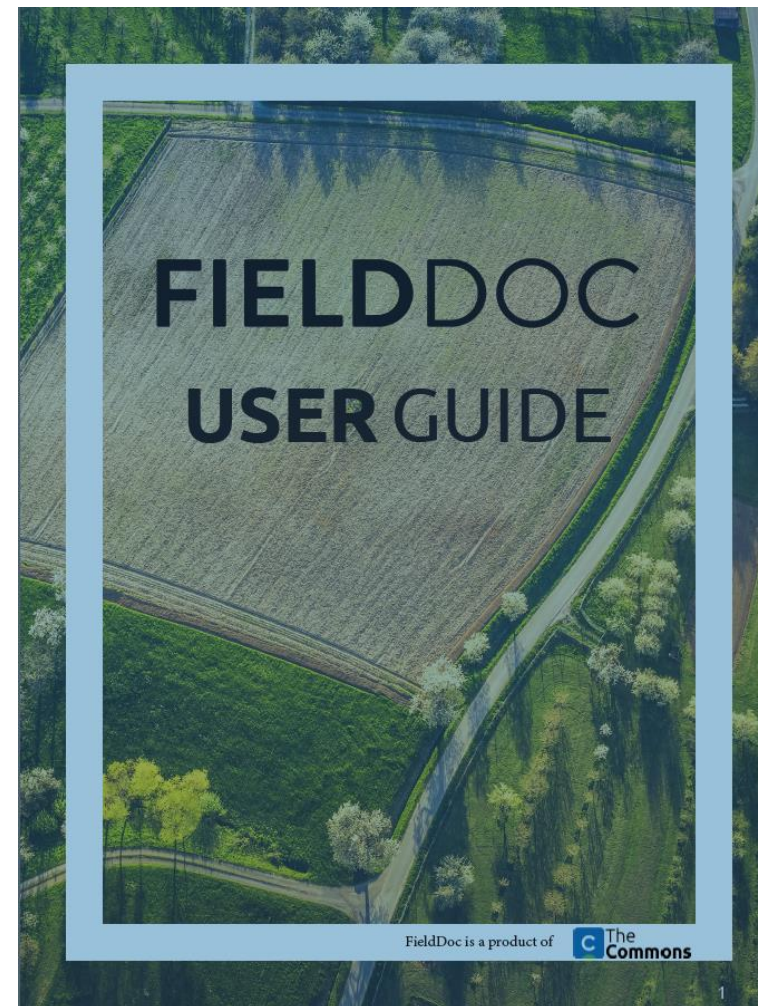
EPA

BMP Data Integration



Ensuring Quality Data

- It is important to ensure the quality of the data being reported through FieldDoc meets State and Federal standards.
- To ensure data being entered into FieldDoc is coming from qualified professionals, county Community Clean Water Action Plan Coordinators will be the gatekeeper for their County Dashboard.
- A quality assurance data validation check will occur by the county Community Clean Water Action Plan Coordinator before annual reporting of BMPs.
- DEP will review for final approval for all BMPs entered into FieldDoc.





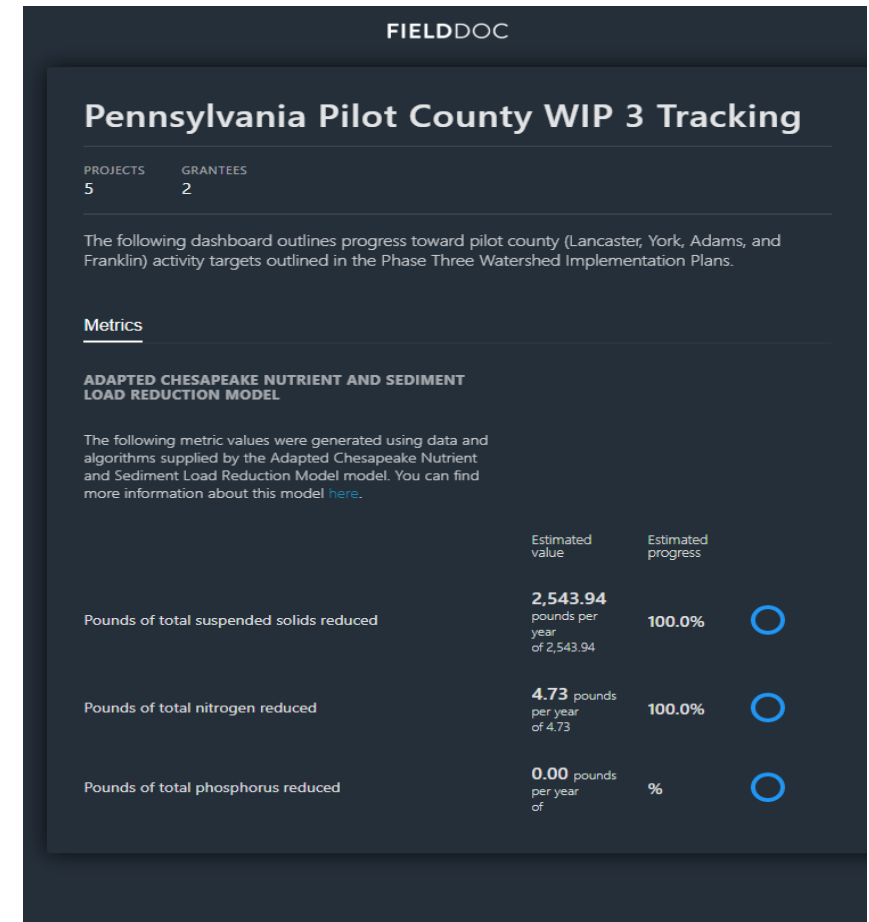
Questions?

Data Tools Review Team

**Thank-you to the volunteers who participated in
the Data Tools Review Team!!**

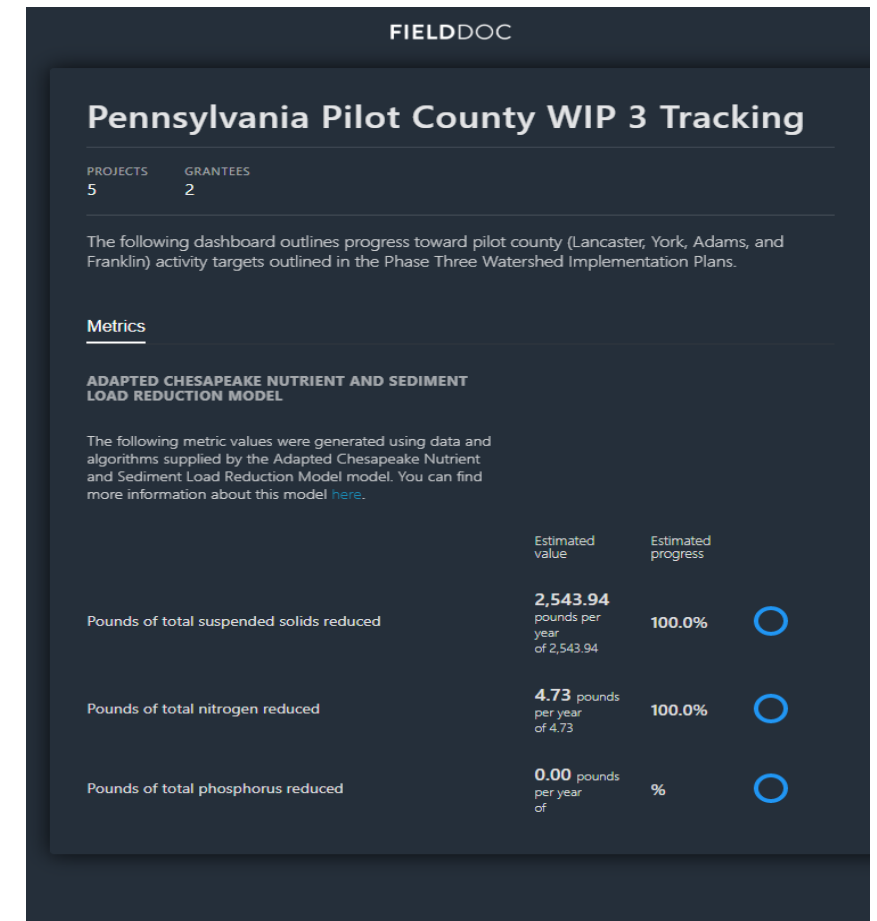
Data Tools Review Team

- Consists of five county Community Clean Water Action Plan Coordinators, four county data action team members, Chesapeake Conservancy, Susquehanna River Basin Commission, PA DEP, EPA Chesapeake Bay Program Office.
- The purpose of this group was to generate recommendations on enhancements to FieldDoc provided by our local stakeholders.
- Solicited personalized feedback members on every step in the data entry process.
- Reviewed system limitations and took potential enhancements back to the group.



Continuation of the Data Tools Review Team

- The Data Tools Review Team has identified ongoing recommendations for improvement beyond the initial rollout.
- The team will continue to meet on a limited basis to provide feedback and recommendations.
- We will continue to dedicate time and support to enhance FieldDoc to meet our local partners data management needs.
- Integrating FieldDoc with the PA Data Warehouse for real-time data management.
- We will continue to work EPA on providing support to enhance FieldDoc to meet your local reporting needs.



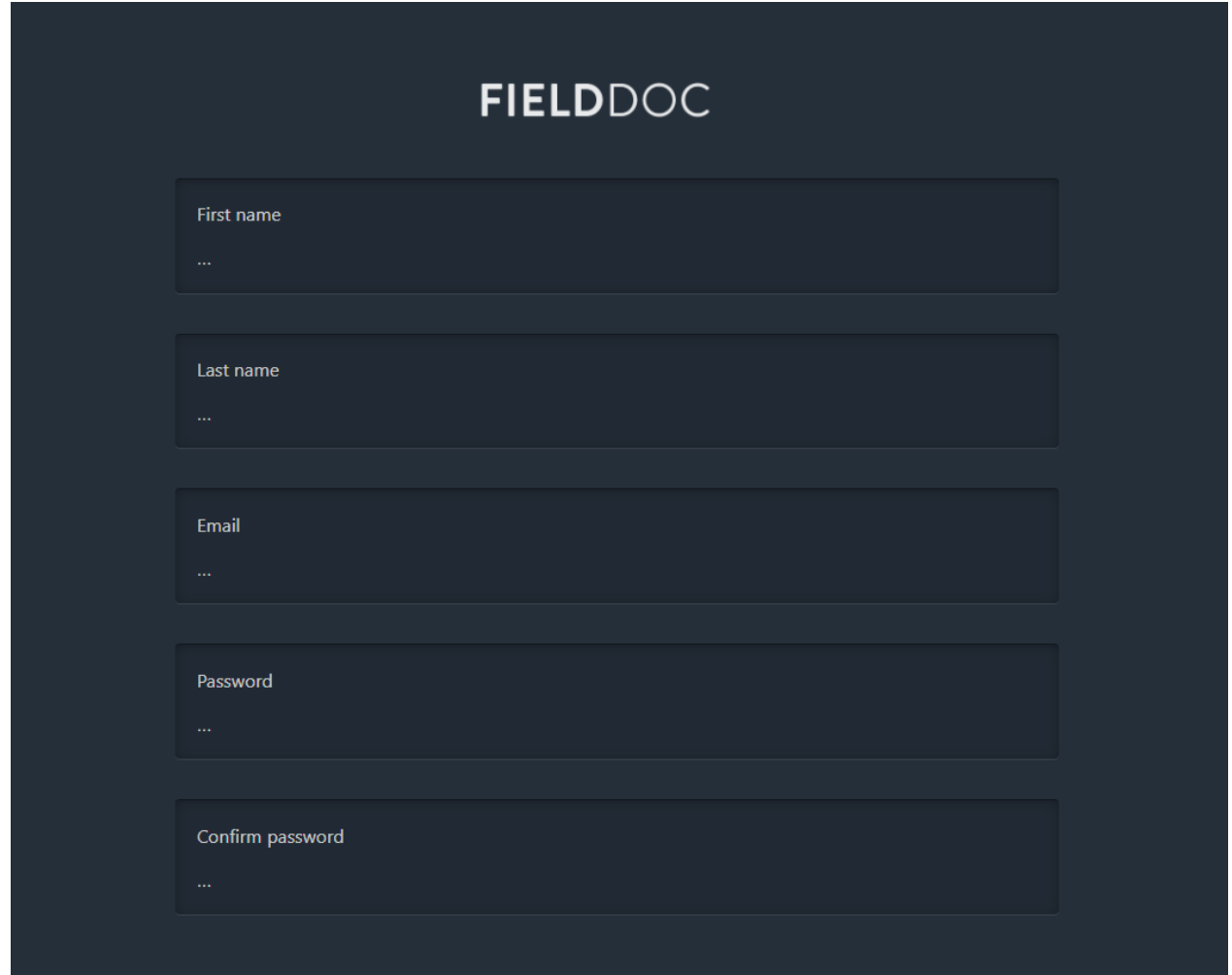
FieldDoc



Registering for a FieldDoc Account

Registering for FieldDoc

- www.fielddoc.org
- Walk-through how to register for FieldDoc
- When prompted to select your organization choose “(County Name) Implementation Team”

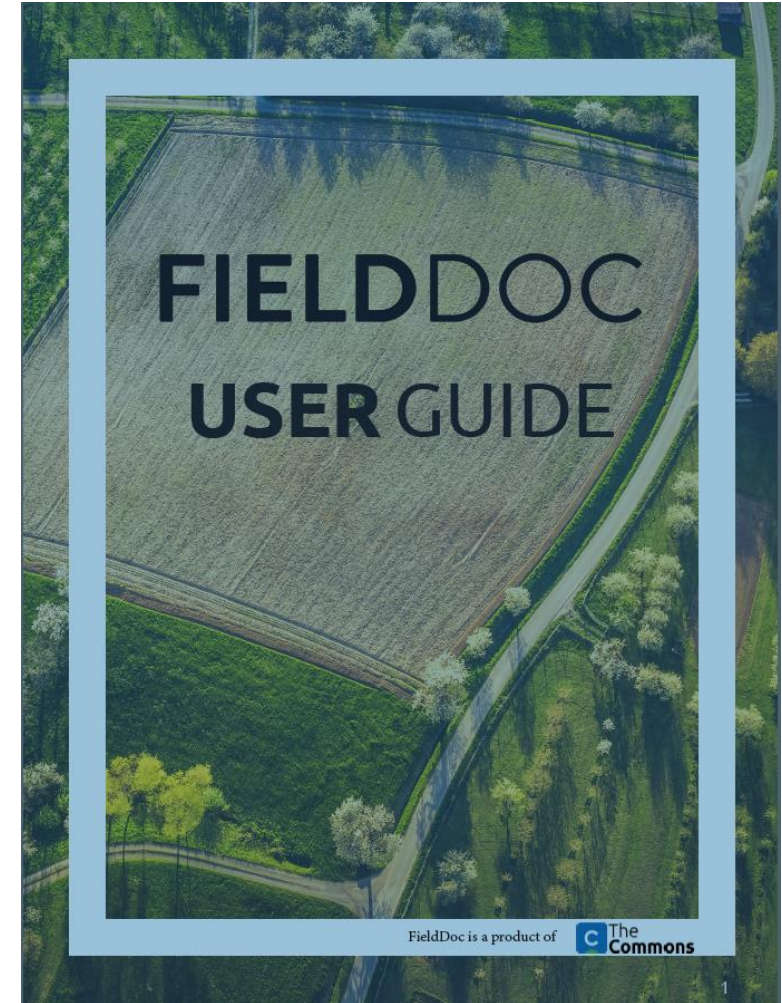


The screenshot shows a registration form titled "FIELDDOC" on a dark background. The form consists of five input fields, each with a label and a placeholder "...":

- First name
- Last name
- Email
- Password
- Confirm password

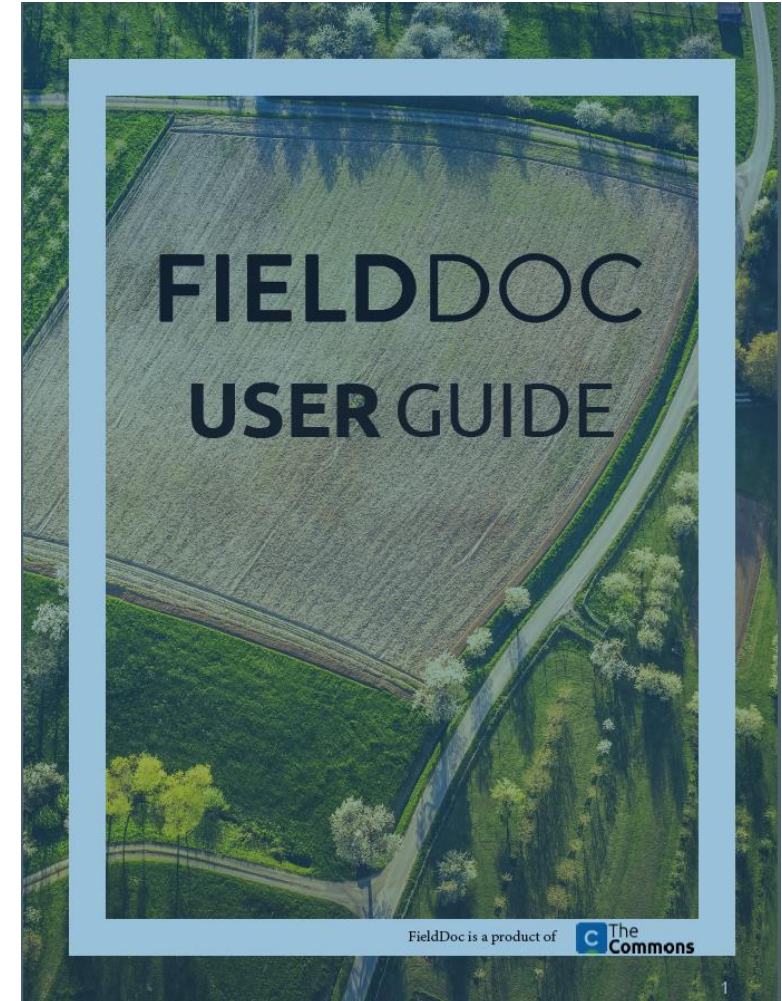
Next Steps – Training

- On August 28th, we will be posting FieldDoc Training Webinars to the PA Clean Water Academy <https://pacleanwateracademy.remote-learner.net/>.
- You are responsible for watching these videos prior to September 3rd, FieldDoc Training Webinar.
- We will host the second FieldDoc Training Webinar on Thursday, September 3rd from 1-2 pm.
- September 3rd webinar will be a live question and answer, so please come prepared with questions after watching the recorded videos.
- You may submit questions in advance to c-jorbaker@pa.gov, or come prepared to ask your questions on September 3rd.



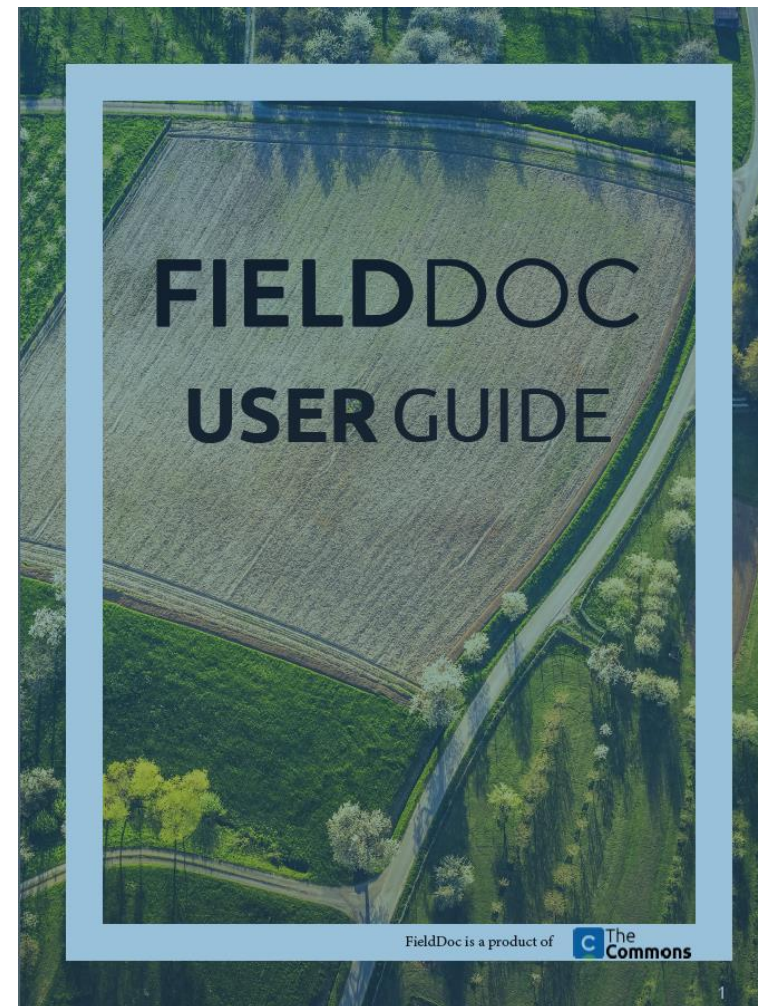
Next Steps – Training

- On September 4th, we will be posting additional FieldDoc Training Webinars to the PA Clean Water Academy <https://pacleanwateracademy.remote-learner.net/>.
- You are responsible for watching these videos prior to the September 10th FieldDoc Webinar.
- We will host the third FieldDoc Training Webinar on Thursday, September 10th from 1-2 pm.
- The third webinar will be another live question and answer, so please come prepared with questions after watching the recorded videos.
- You may submit questions in advance to c-jorbaker@pa.gov, or come prepared to ask your on September 3rd.



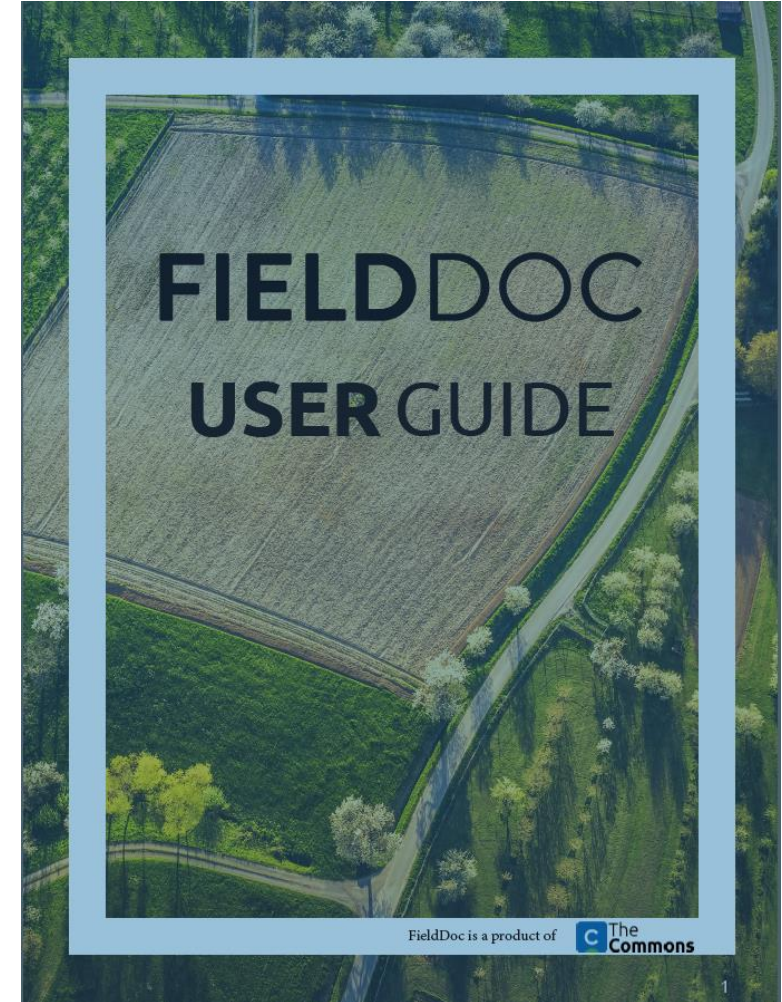
Next Steps – FieldDoc

- FieldDoc will continue to adapt to meet your local needs for data management and reporting.
- The Data Tools Review Team has made additional recommendations that will be built into FieldDoc in the coming months.
- The Data Tools Review Team will continue to meet on a limited basis to solidify FieldDoc and take in any additional recommendations for change.
- Please reach out to your members of the Data Tools Review Team if you have suggestions for improvement to FieldDoc.



Additional Support

- Utilize your county Community Clean Water Action Plan Coordinators and Data Tools Review Team members to help answer questions.
- The FieldDoc User Guide is attached to the meeting notice. Please reference this document to help answer questions.
- There is help documentation on the FieldDoc website. In the top right corner will be a logo titled “help,” or you can visit this link, <https://help.fielddoc.org/en/>.





Questions?



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