

Automating Seafood Traceability Reporting

Join Agritrack in simplifying EU CATCH regulatory reporting through reliable browser-based automation

How can we automate the transfer of seafood traceability information to EU CATCH while keeping regulatory submissions reliable and under human control?

ABOUT AGRITRACK

[Agritrack](#) is a food-tech company developing digital solutions to improve traceability, food quality management and operational efficiency across the agrifood value chain. Its mission is to advance the digitalisation of agrifood operations, reduce food loss and waste, and support the transition towards a more resource-efficient and circular economy.

Within the seafood sector, Agritrack operates a **cloud-based seafood traceability platform** that enables supply-chain stakeholders to capture, manage and exchange product-related information. The platform supports data structures compatible with the [Global Dialogue on Seafood Traceability \(GDST\)](#) standard and [GS1 EPCIS](#), facilitating the structured representation and exchange of traceability events across the supply chain.

- * GDST (Global Dialogue on Seafood Traceability) is an industry standard for interoperable seafood traceability data.
- * EU CATCH is the EU's digital system for managing catch certificates and combating illegal, unreported and unregulated fishing.

CHALLENGE OVERVIEW

Transferring traceability data from Agritrack to external regulatory systems, such as the [EU CATCH platform](#), can still require manual data entry when direct API integration is unavailable for the intended use case. This creates duplicated work, fragments digital workflows and increases the risk of data-entry errors. Through this Innovation Challenge, [QuiPack](#) seeks to address this bottleneck by developing a browser-based automation solution that transfers relevant data from its platform to the [EU CATCH web portal](#), improving workflow efficiency while retaining human oversight of the final submission.

*The solution is primarily intended for seafood importers and compliance personnel responsible for preparing and submitting catch certification documentation.

CURRENT SITUATION

Agritrack operates a cloud-based seafood traceability platform that manages supply-chain information using data structures compatible with the Global Dialogue on Seafood Traceability (GDST), an industry standard that promotes consistent and interoperable seafood traceability data. This information is accessible through REST APIs, allowing it to be retrieved and reused by other systems.

However, when relevant catch and traceability data must be reported through the EU CATCH web portal, users currently need to transfer and enter the information manually. As direct API integration is unavailable for this use case, data already recorded in Agritrack cannot be automatically transferred to the portal. This process takes an estimated 40 minutes per consignment, involving multiple documents, product descriptions, catch details and shipment records, resulting in duplicated work, fragmented digital workflows and an increased risk of data-entry errors that make regulatory reporting more time-consuming and less efficient. Automating data transfer and field population could reduce processing time to approximately 1–5 minutes per consignment, substantially reducing manual effort while retaining human validation and final submission.

What Are We Looking For?

A **reusable API-to-Web automation solution** that retrieves relevant traceability data from Agritrack's REST APIs, maps it to the corresponding EU CATCH fields and automatically populates the relevant web forms through browser-based automation. The solution should flag missing or inconsistent information for review, enabling an authorised user to validate and correct the data before completing the final submission manually.

EXPECTED WORKFLOW



KEY FUNCTIONALITIES

- Retrieve GDST-compatible JSON data via REST APIs
- Map relevant data to EU CATCH fields
- Navigate and populate web forms automatically
- Detect missing or inconsistent information
- Handle errors and prevent unintended duplicate submissions.
- Allow user review and correction before submission

TECHNICAL REQUIREMENTS

- Modular, documented and maintainable code.
- Secure authentication, encrypted data transfers and appropriate data protection measures.
- Technical documentation, representative data and agreed field mapping
- Robust error handling, data integrity checks and reusable automation workflows.
- Testing and validation using available testing environments
- Complete source code and technical documentation

EXPECTED OUTCOME: A **working end-to-end API-to-Web automation prototype** within 2 months, demonstrating that seafood traceability information can be retrieved from Agritrack, mapped to EU CATCH requirements, and automatically populated into the relevant web forms. The solution must be reusable and maintainable, with complete source code and documentation, and sufficient rights to modify, reuse and commercialise it. It should also provide a technical foundation for future expansion to other regulatory workflows and international seafood traceability reporting requirements.

The detailed data mapping, API integration requirements, representative datasets, test cases, access and security arrangements, and functional acceptance criteria will be defined and agreed upon with Agritrack and the selected provider during the initial development phase.

CHALLENGE OVERVIEW & PARTICIPATION

WHO CAN APPLY?

Startups, technology providers and SMEs with expertise in robotic process automation (RPA), browser automation, REST API integration and reliable data workflows are invited to apply. Applicants should demonstrate the technical capacity to develop a reusable and maintainable solution for transferring structured data between systems through browser-based automation.

WHAT'S IN IT FOR YOU?

The selected applicant will receive **€8,000** in technical development funding to develop and validate the proposed solution, with payments structured around agreed milestones: an initial payment, a payment upon delivery of a working prototype, and a final payment following successful User Acceptance Testing.

WHAT TO SUBMIT?

Applicants should complete the application form, providing information about their solution, technical approach, relevant experience, team, two-month delivery plan, and expected impact

APPLICATION DEADLINE: Friday, 13 November 2026

Challenge launched by:



In the framework of the EU xxxx
funded Project:

