



## PROBLEM

- Fishing permits are maintained on paper
- Catch records are entered manually and are error-prone
- Data loss complicates end-of-season reporting
- No unified digital system for catch statistics and verification

## SOLUTION

- Registration and profile management -
- Digital fishing license -
- Catch recording -
- Catch statistics and history -
- AI-based fish species classification from photo -



USER



REST API



MOBILE APPLICATION



WEB INTERFACE



ADMINISTRATION

- User and license verification
- Review and validation of catch records
- Data management and statistics overview

## CONCLUSIONS

The project is a Proof of Concept (PoC), demonstrating the feasibility of a digital system for issuing fishing permits and automated catch registration. The proposed solution demonstrates the feasibility of replacing paper-based processes with a centralized digital platform. Fully functional implementation is expected in subsequent stages, where the functionality required for practical implementation will be further developed.

