

Go with the Flow:

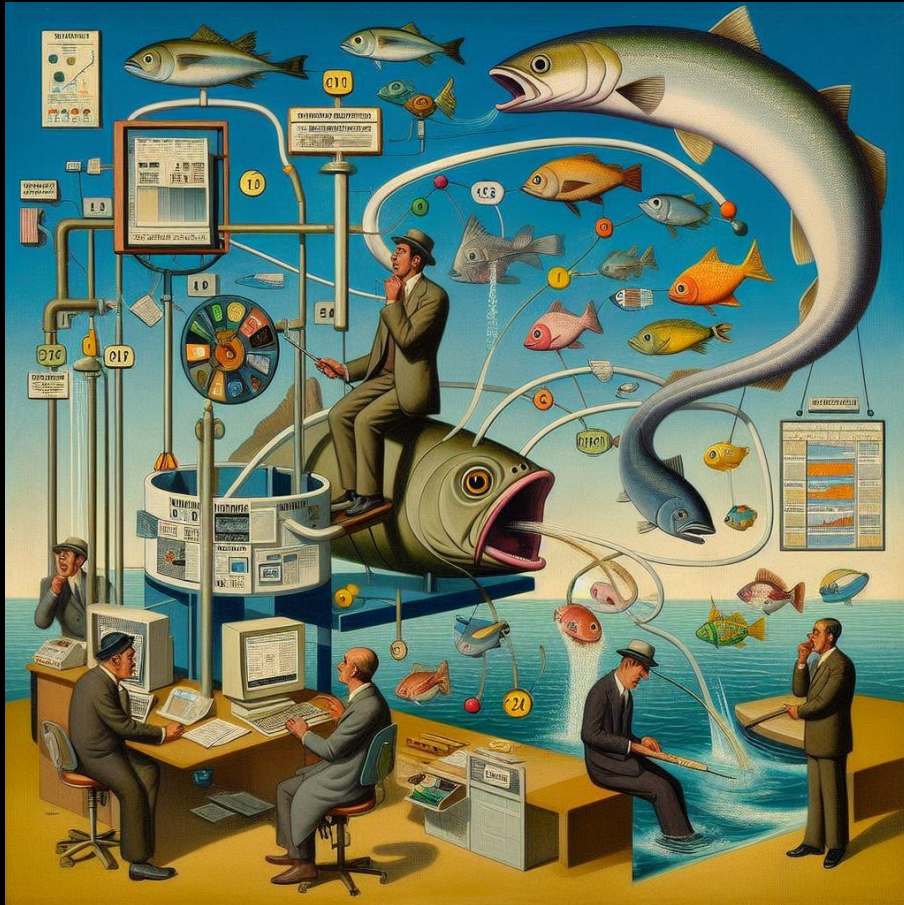
How to communicate fisheries management processes using information flows

Go with the Flow: How to communicate fisheries management processes using information flows

Two fisheries scientists having a conversation – *Anime*



How information flows in fisheries - *Dadaism*

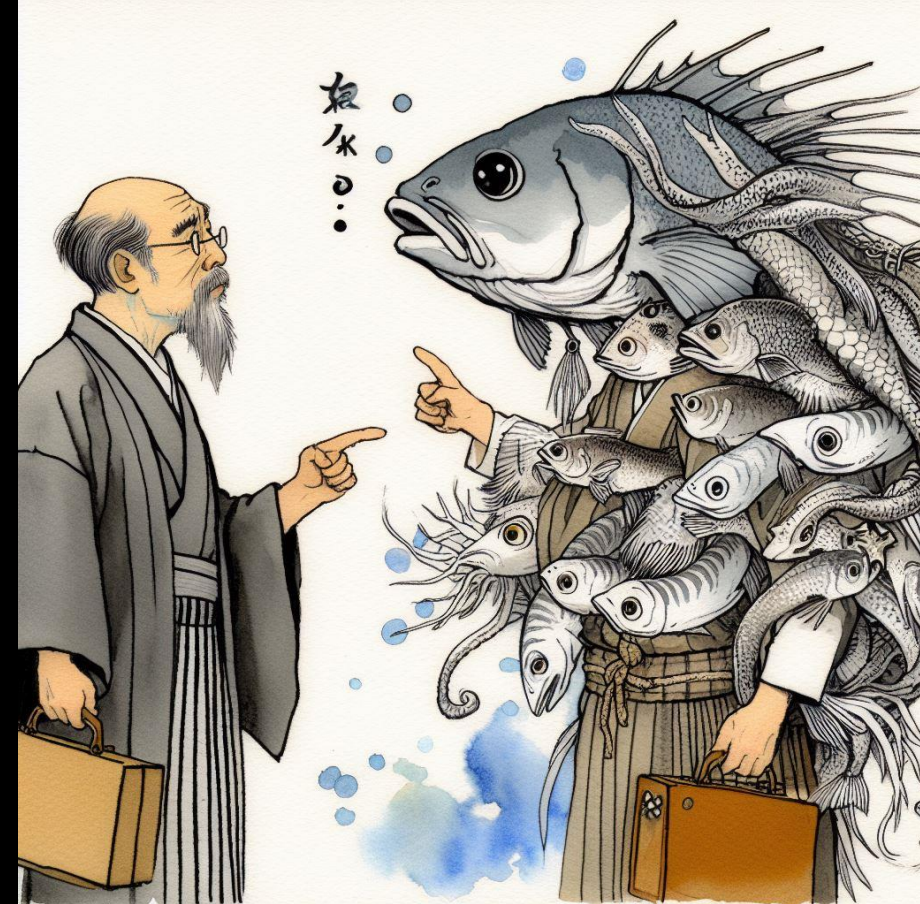


Process mapping: a set of tools that make a workflow visible

Swimlane diagrams show who does what, in what order

Delineate the processes that collect fisheries data used to assess a given stock (blackspot seabream) and illustrate these processes using Swimlane diagrams, to be used in future stakeholder communication and engagement

A fisher and a scientist not understanding each other - *Sumi-e*

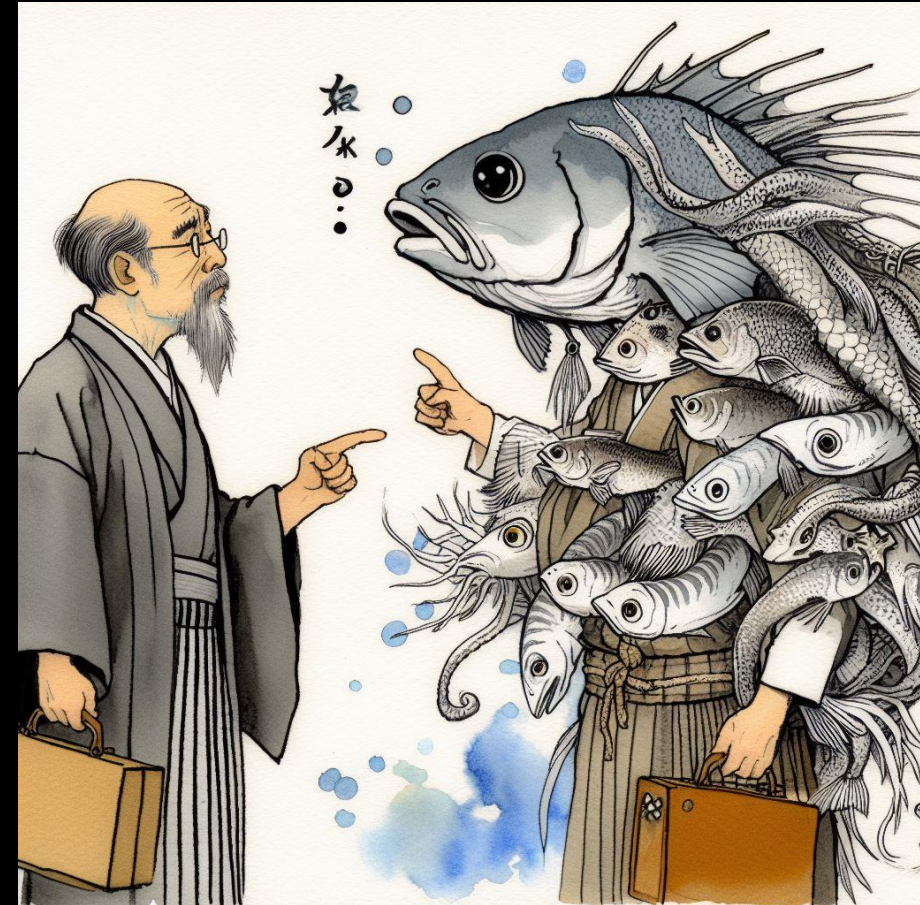


A fisher and a scientist not understanding each other - *Sumi-e*

The Azores is an archipelago in the NE Atlantic

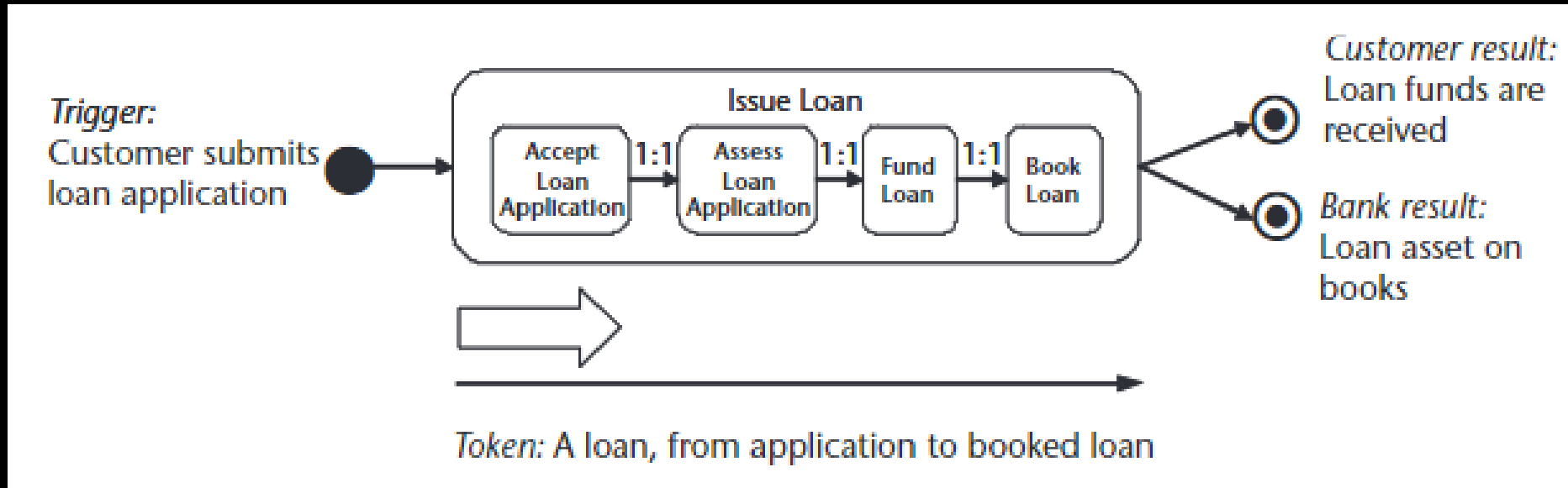
Fishers affirm they are unaware of how data is collected

Research fatigue, distrust, and legitimacy of quotas debated



What is a process?

The interrelated activities that, triggered by an event, achieve specific and discrete results for stakeholders”



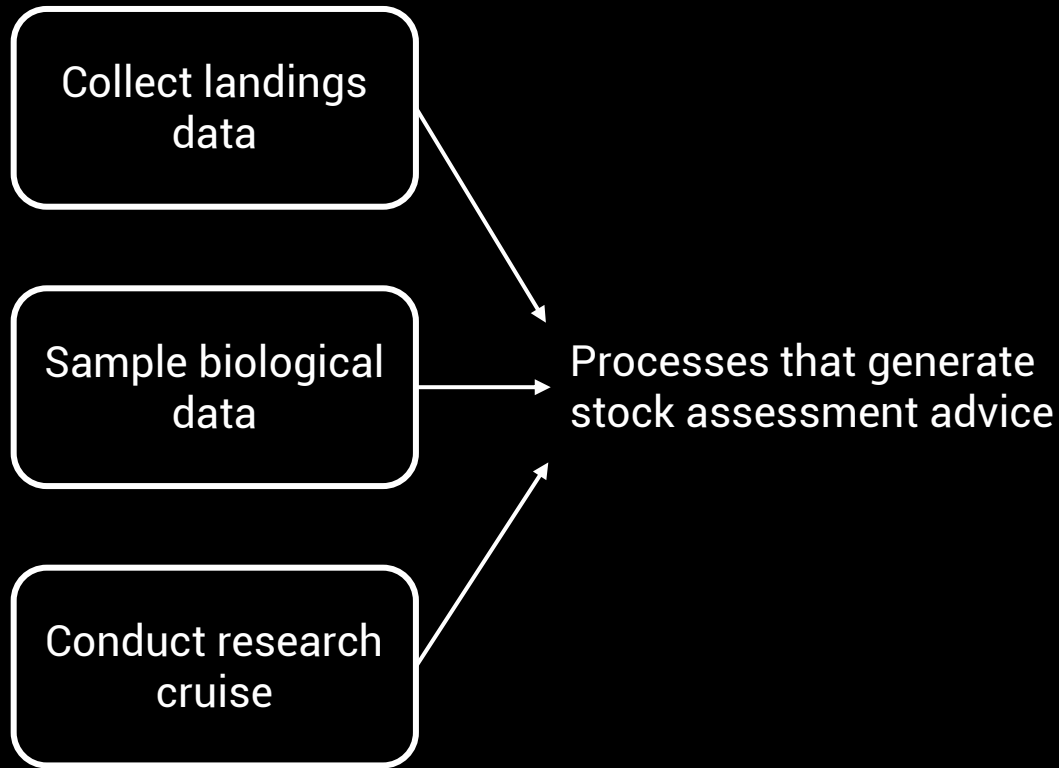
1. Activities linked 1:1
2. Triggered by an event
3. There are end results for stakeholders
4. The same token moves throughout

Fisheries stakeholders generating knowledge together – *Studio Ghibli*



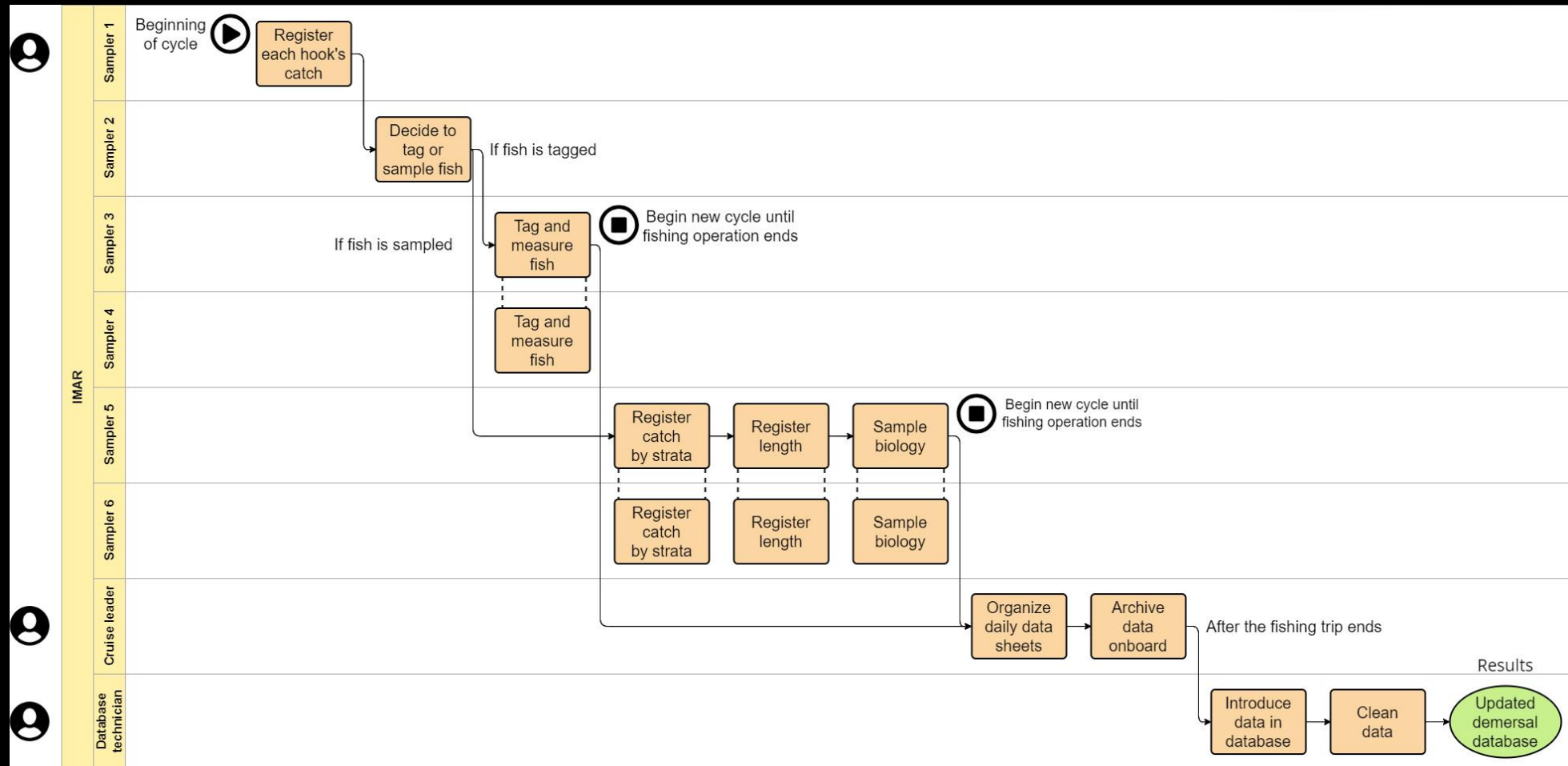
1. Discover the processes related to data collection
2. Frame each process
3. Swimlane diagram each process

What we found



Attributes	Conduct research cruise
Triggering event	Annual agreement IMAR-DGRM
Results	Updated demersal database
Subprocesses	Organise cruise; conduct fishing; collect data; sort data
Variations	Organising activities sequence may change
Organisations	IMAR
Individual actors	Cruise administrator, captain, first mate, samplers...
Support mechanisms	Longline fishing processes; fishing companies

What we found

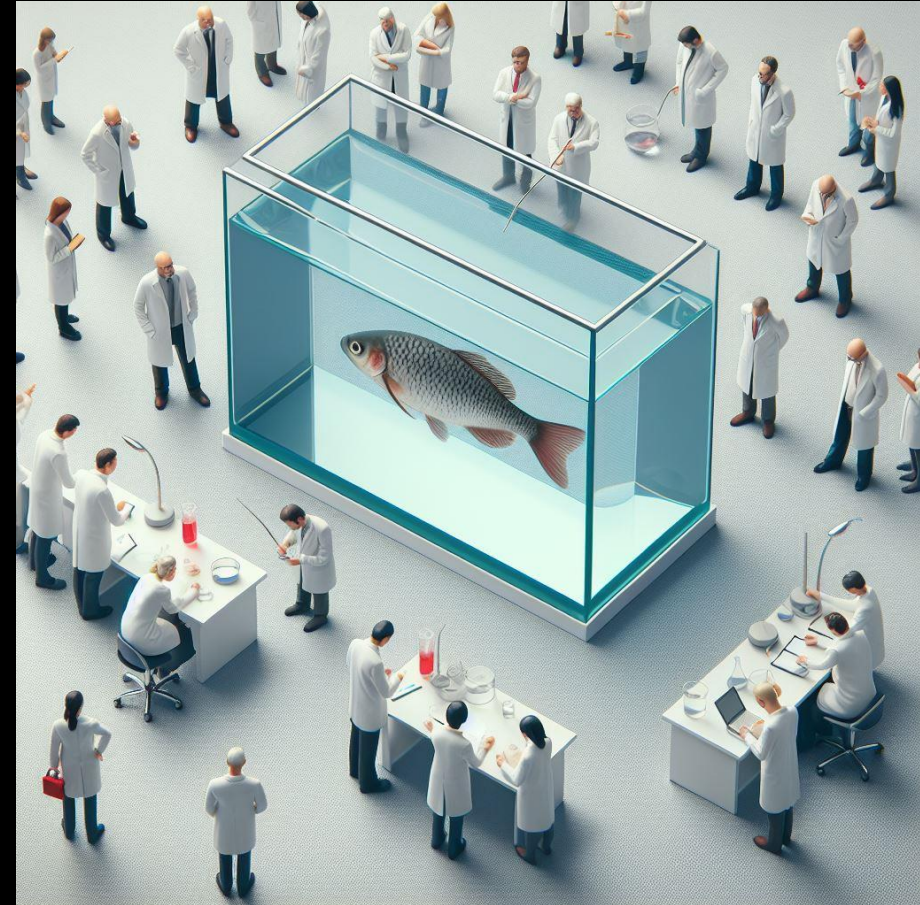


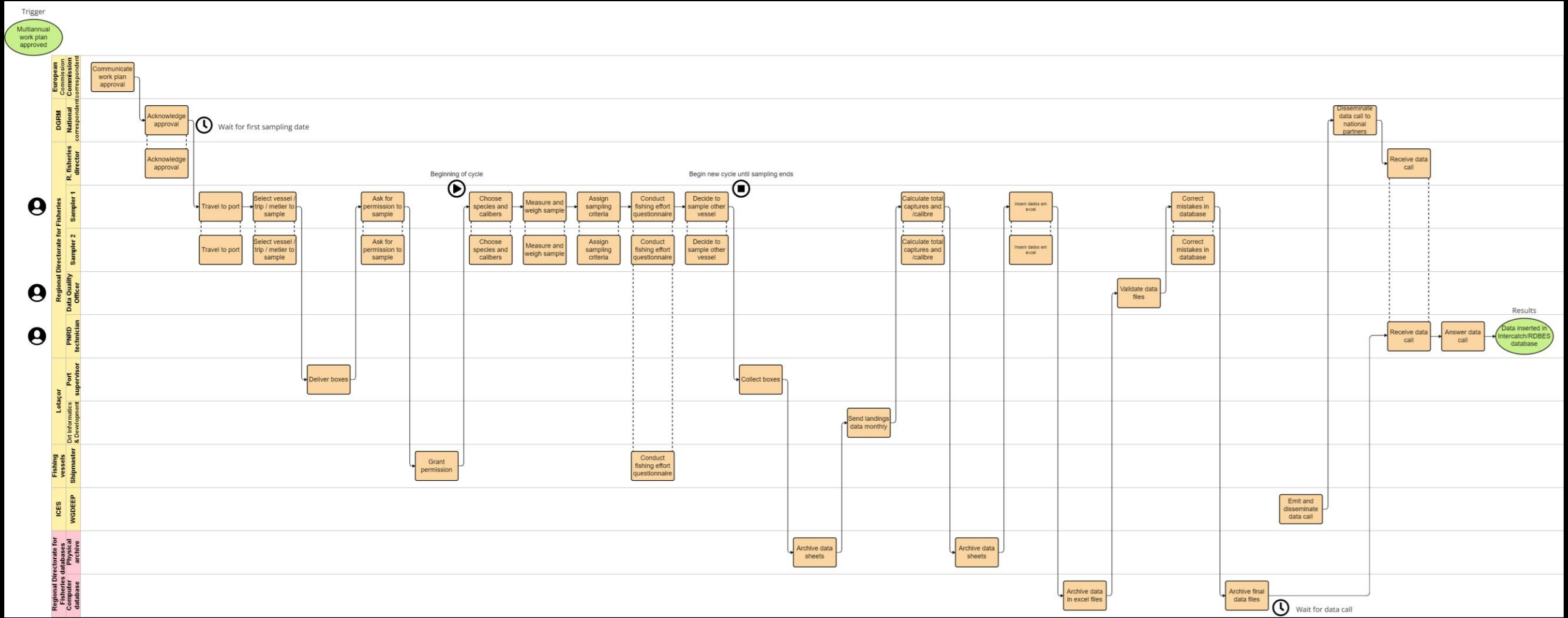
Too many actors in fisheries processes – *Minimalism*

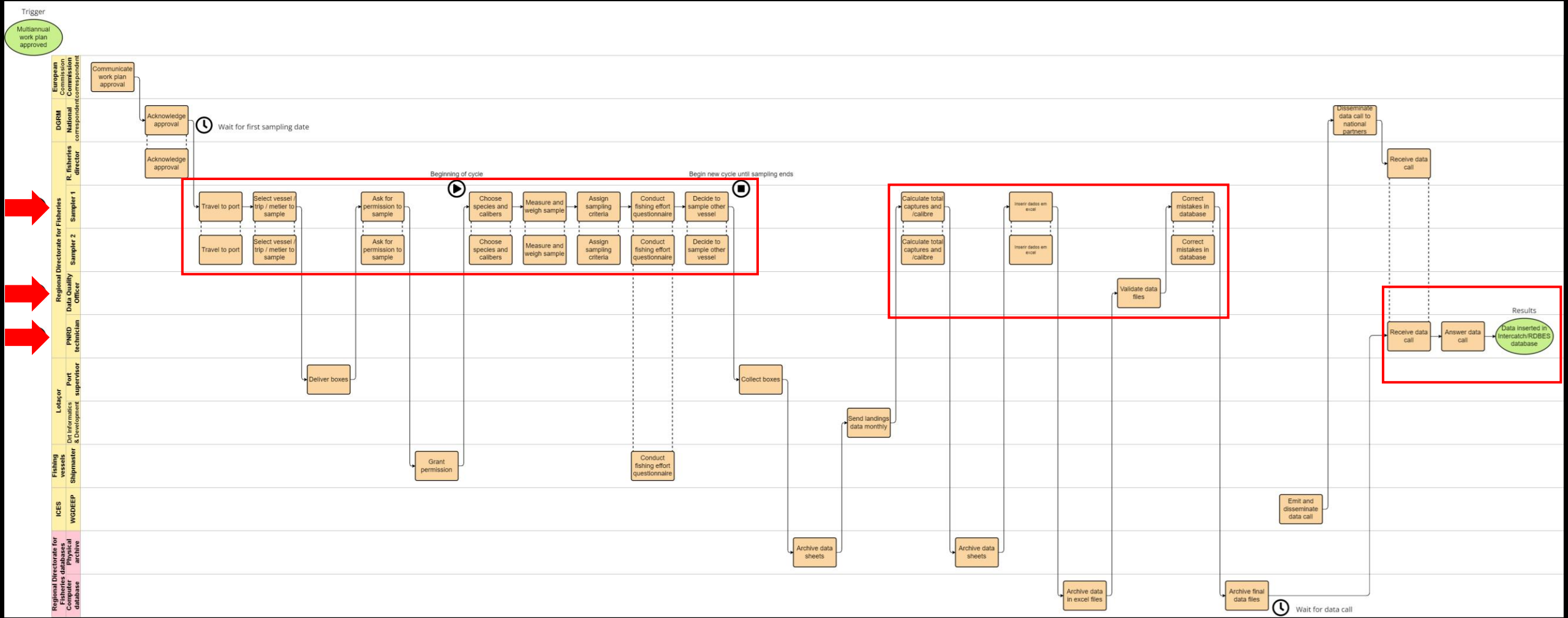
Individual sessions kept uncovering actors

But our goal was pragmatic: produce useful diagrams

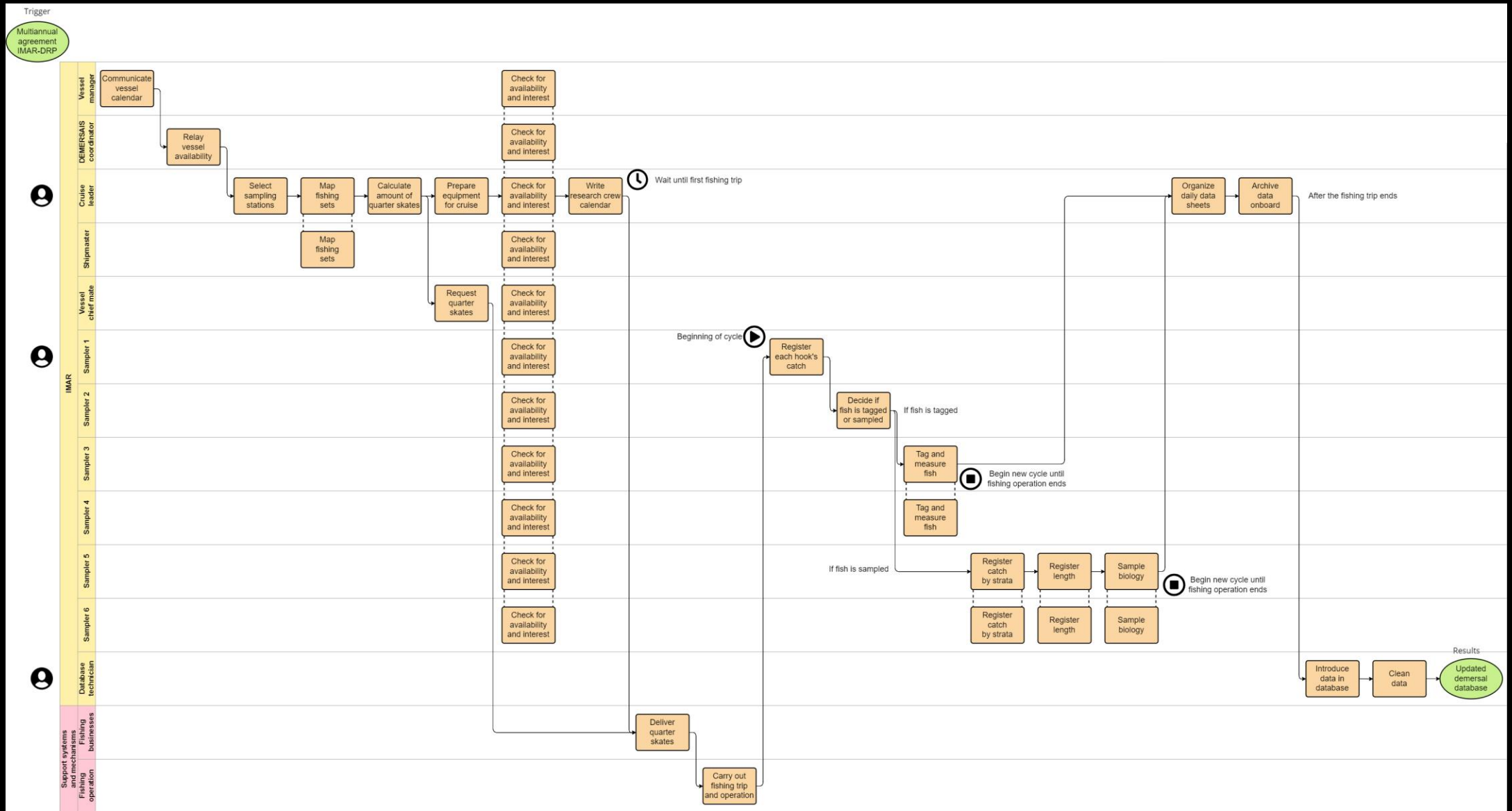
Concentration of knowledge may be a problem



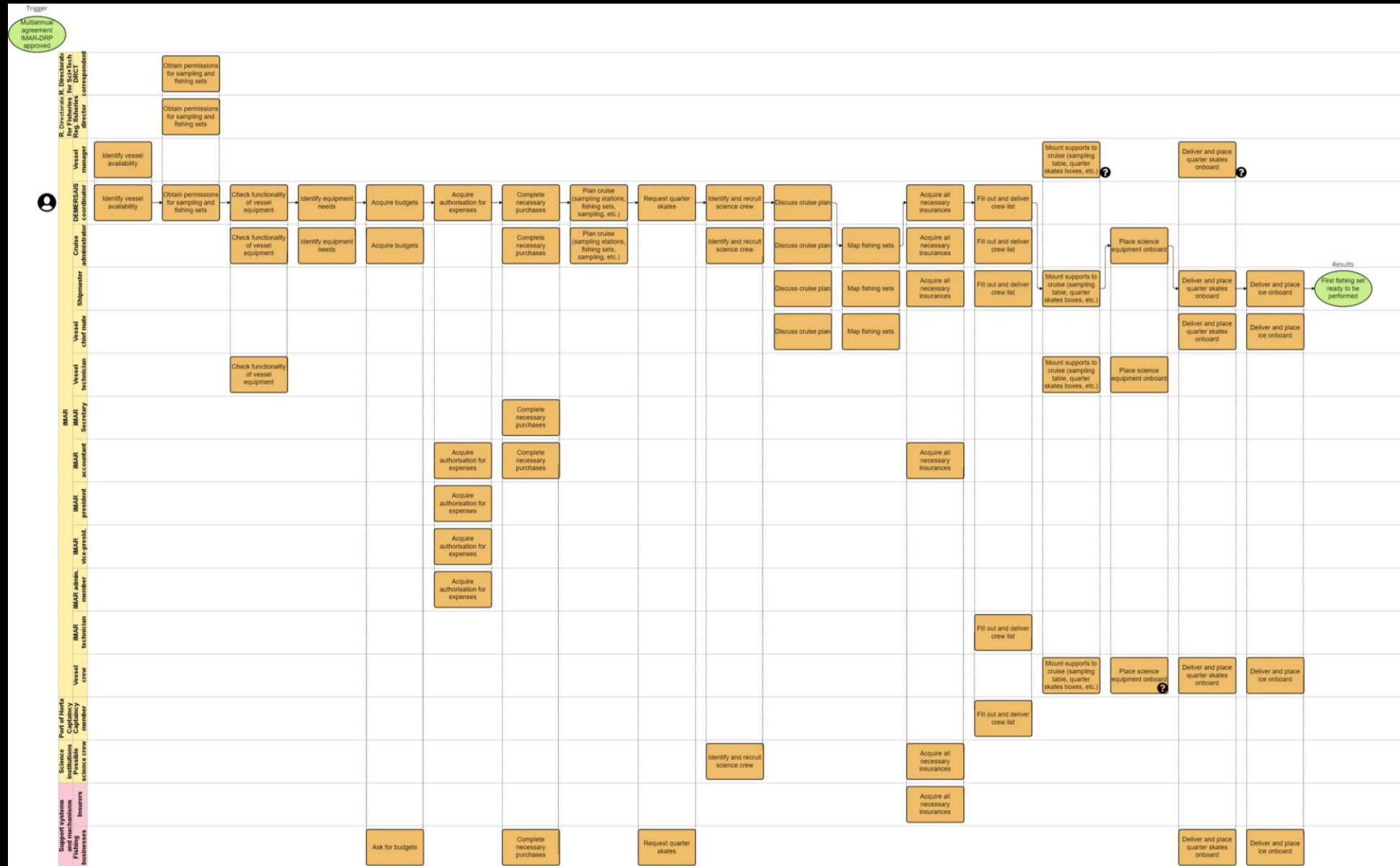




Creating diagrams for stakeholder dialogue



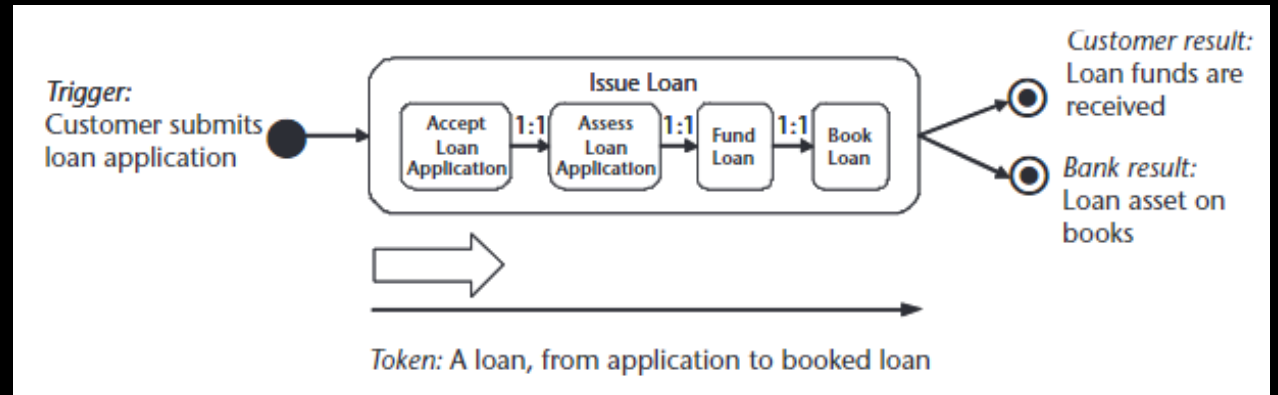
Creating diagrams for stakeholder dialogue



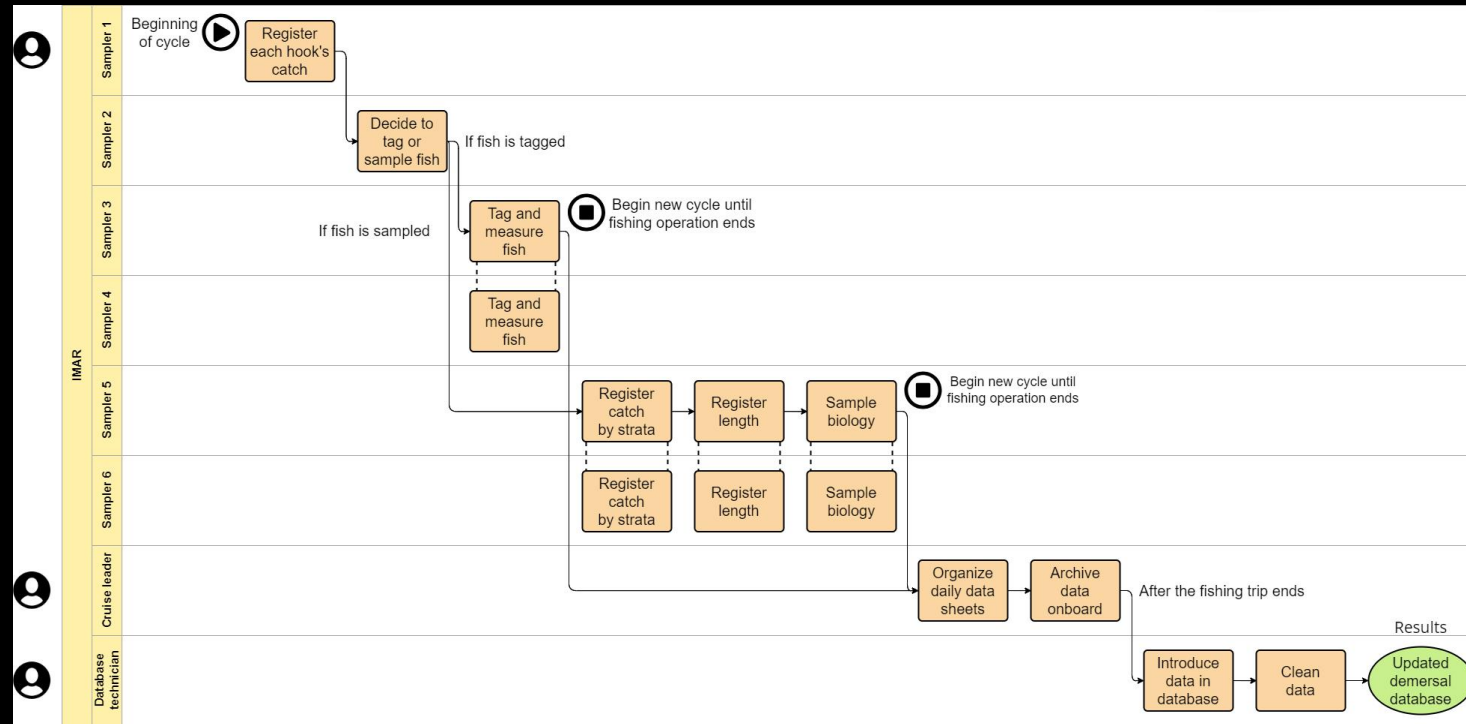
Encountering technical issues in fisheries management – *Harry Potter*



Thinking about tokens and ratios was counterproductive



Constructive takeaways



Group sessions seem to be ideal

Mapping could be done at a different level, e.g. flowcharts or relationship maps

Individual diagramming to assess and compare perceptions

The future of fisheries stakeholder engagement – *Science fiction*



Questions or feedback? Send me an email: morgan.rd.ribeiro@uac.pt