

Science, Service, Stewardship



NMFS Catch Share Accounting and Quota Management

Alaskan Fisheries

March 19, 2010

MAFMC – March 16-18, 2010

Jessica Gharrett, AK Region

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Overview

- Alaska Fisheries
- Management
- Data
- Reporting
- Catch Monitoring Programs
- Keys to success
- Challenges

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Fisheries and Constituents



28% EEZ
49% landings
31% value



- many, diverse constituents

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Harvesters

Large



Small

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Processors

Macro



Sally Bibb

Micro



Targets, Bycatch, Protected

Pacific Halibut



Red king crab



Gretchen Harrington

Black footed albatross



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Management Tools



Approach

Tools: Permits, TACs, Quotas

Method: Full Accounting/Best data

Partnerships: State, IPHC, Council

Reporting: Mostly electronic



AKR Permits

~ 20k comm, 10k subsistence, (soon rec)

~ 12 permit programs, many types:

- **2 open access programs**
- **3 license limitation (+ halibut charter)**
- **6 catch share programs**
- **misc permits**
- **SHARC registration**



First Quotas

All U.S. Quotas: 1991

CDQ: 1992 pollock

ITQ: 1995 halibut/sablefish

Coops: 1998 pollock

PQS: 2005 crab

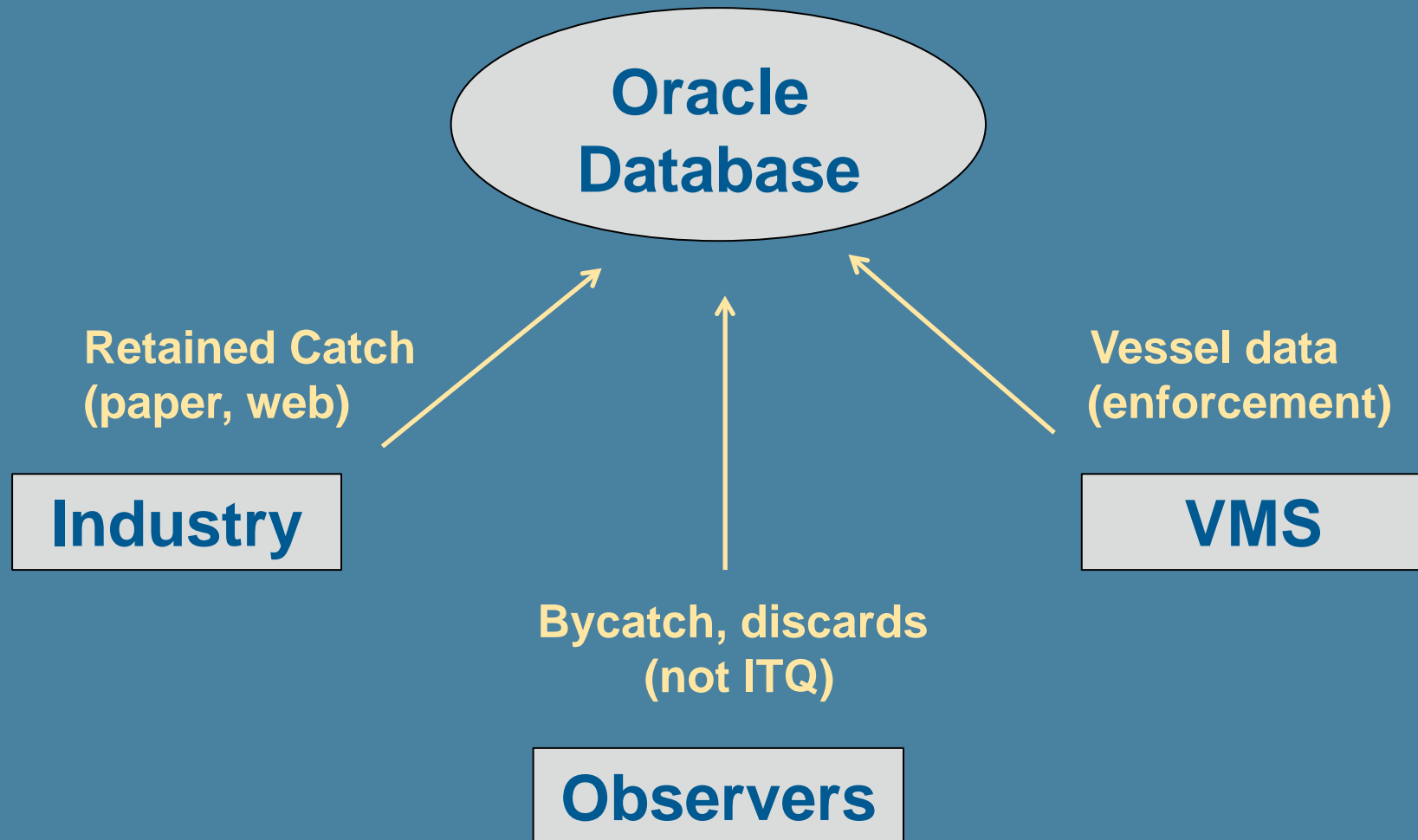
Now: ~ 800 allocations plus ITQ accounts

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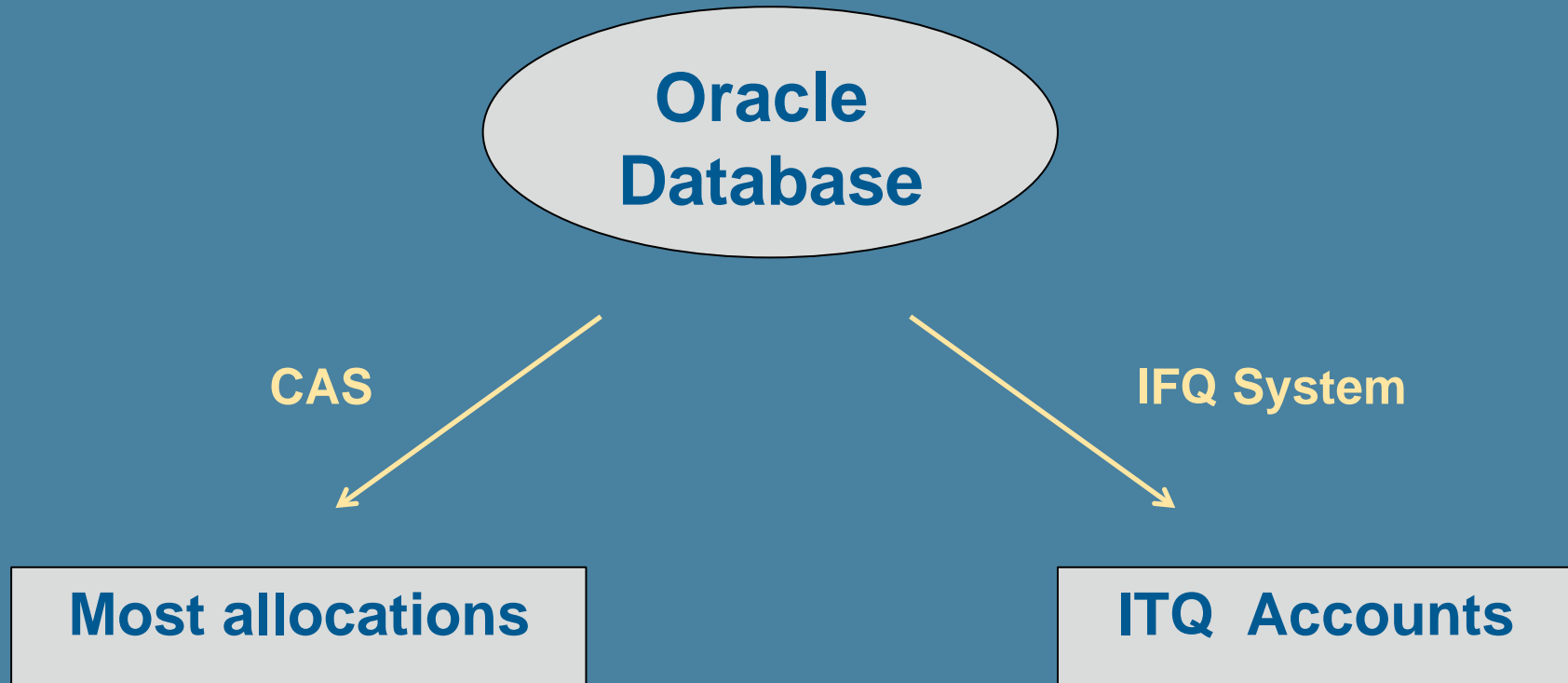


Data Sources and Systems

Data Sources (mostly electronic)



Management Systems



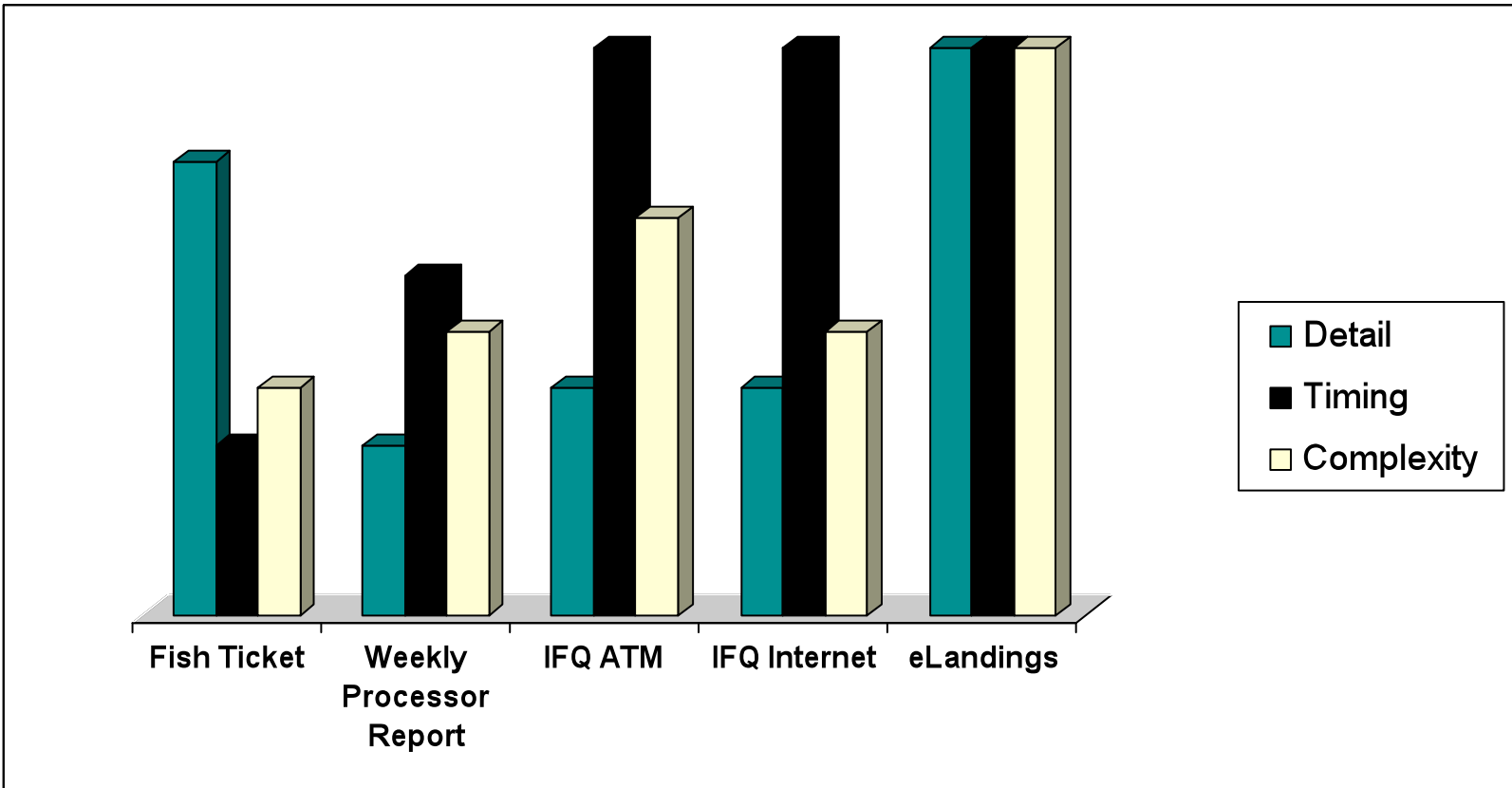
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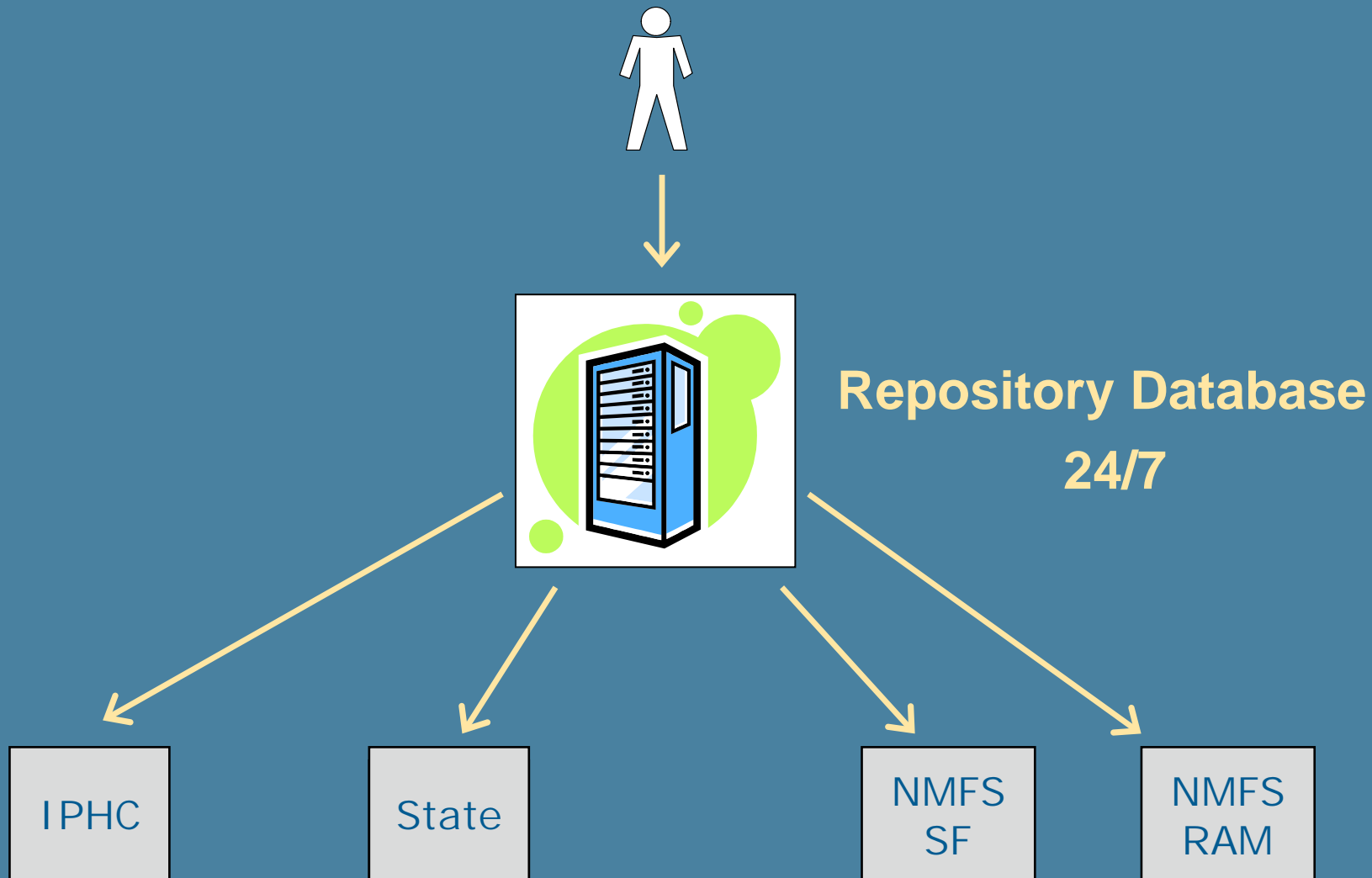
Reporting Programs



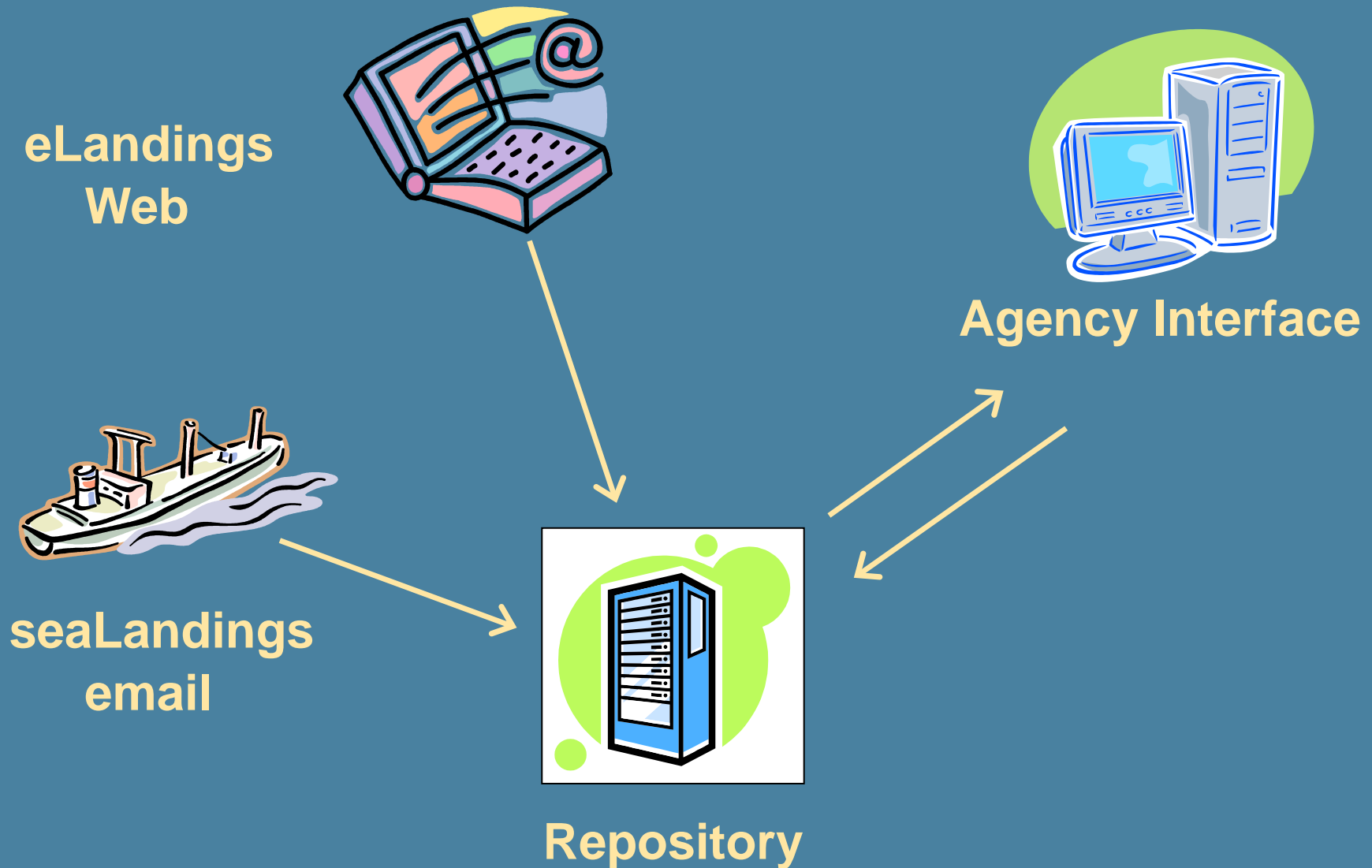
Reporting Methods



Now: Multi-Agency "eLandings"



eLandings Components



Register Operation

INFO - 1311: Please enter the following information

User: Andy Mackerel **Company:** NMFS Testing Operation **PH:** (206) 555-1212 **Email:** Jennifer.Hogan@noaa.gov

Operation Type:	Custom Processing Owner	
Operation Name:	American Processors for Fishing Factory	
ADF&G Processor Code:	F1927	← Owner's permit
Federal Permit Number:	5307	← Processor's permit
Registered Buyer Number:	5307	← Processor's permit
Registered Crab Receiver Number:	140	← Unique RCR for this particular relationship
Port: <small>Port Codes</small>	DUT	
Vessel ADF&G Number:		
Vehicle License Number: (For Buying Stations)		

Physical Operation (enter for Tender, Buying Station, and Custom Processing Owner operation types. Not applicable for other operation types) The physical operation is where processing is done.

Operation Type	ADF&G Proc Code	Federal Permit Number	Registered Buyer Number	Registered Crab Receiver Number
Plant/Receiver	F7882	5307	5307	11

Register

Processor's permit

NOTE: Before you can use your UserID to login to the eLandings system, you must mail a signed original registration form to: NMFS/ RAM eLandings Registration PO Box 21668 Juneau, AK 99802-1668, or fax a signed form to (907) 586-7354

Landing Report -40985

User: Leopard Shark

Company: Zissou Seafoods

PH: (807) 555-1212

Email: nobody@nowhere.com

ADF&G
Vessel
Number

0003

ADF&G Gear Code
Gear Codes

61

Crew Size
(including skipper)

20

Number of
Observers
Onboard

1

Date Fishing
Began (see in
water)

01/21/2009
(mm/dd/yyyy)

Days Fished

5

Date of
Landing
(completed)

01/25/2009
(mm/dd/yyyy)

Port of
Landing
Port Codes

SIT

Partial
Delivery
(check if yes)

IFQ
Reported
Manually
(check if yes)

ADF&G
Processor
Code
(purchase/owner)

F6376 Myra

Tender
ADF&G
Number

Federal
Permit
Number

7124 SNUG HARBOR SEAFOODS

Registered
Buyer
Number

980003 IFQ TEST BUYER

Discard
Report

CFEC Permit Worksheet

IFQ Permit Worksheet

CFEC Fishery	Permit Number	Permit Sequence	Management Program <small>Management Program Codes</small>	Program ID	Percent	CFEC Permit Holder's NMFS ID	IFQ Permit	Species Species Codes	Area / Fishery Area/Fishery Codes	Lbs. to max-out IFQ permit
C61B	67734M	0501G	IFQ			980008	980028	710		
							980030	710	SE	400
C61A	98785C	0501C	IFQ			980009	980004	710		

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Monitoring Programs and Tools



General Catch Monitoring

- **Observers, port samplers**
- **USCG - NMFS - ADF&G - IPHC**
 - **at sea, dockside**
- **E-reporting (industry)**
- **Certified scales**
- **Logbooks (onboard enforcement)**



Catch Share Monitoring

- **SS deliveries:**
 - **CMPs**
 - **Additional observers**
 - **PNOLs (IFQ); report deadlines, on site**
- **At Sea** (except IFQ, CDQ H&L):
 - **Inspected motion compensated flow scales w daily tests**
 - **Increased observer coverage**
 - **Approved Obs sampling station, etc.**



Catch Shares: Different Incentives, Shared Responsibility, More Coordination

Agency

- **Manages behavior**
- **Manages data**
- **IT & data support**

Quotaholders

- **Manage fishing**
- **Report**
- **Pay costs**



Catch Share Industry Tools:

- **Long seasons, Co-ops**
- **E-reporting, printed receipts**
- **Self-help secure 24/7 data access**
- **Account flexibility: administrative adjustments, post-landing transfers, e-transfers**



Catch Share Agency Tools

- **Hail-in landing reports**
- **E-reporting, real-time accounting**
- **Messaging on landing**
- **At Sea and dockside enforcement**
- **Printed signed receipts/fish tickets**
- **Observers, Samplers**
- **Secure 24/7 data access, reports**

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Observer Programs



Programs

- **BSAI king, Tanner crab: State**
 - ADF&G hires, trains, equip, gets data
 - Dictates coverage
- **Groundfish: NOAA/Contractor**
 - NOAA trains, certifies, equips
 - Contractors hire, deploy; industry pay
 - Industry pays
 - NMFS receives data electronically



GF Observer Program

- **Now: ~ 400 observers**
 - **coverage: vessel LOA**
 - **type: program based**
- **At sea: bycatch/discard;**
SS: compliance, facilitate data
- **Costs: Agency \$5 million/yr,**
Industry ~ \$355/day
- **E-reporting, AFSC screens data,**
final ~ 1 wk



GF Program Changes

- **2011: 100% BSAI (except halibut)**
- **2013: Council overhaul, 4 alternatives:**
 - **Broader coverage**
 - **New infrastructure**
 - **Chase boats, video**
 - **New fee (shared)**
- **Permit, monetary sanctions for violation**



Other Monitoring Tools

- **Video Bin Monitoring**
 - **Observer tool**
 - **Vessel option for required bin monitoring when pre-sorting is highly likely**
- **Halibut Bycatch Video Pilot**
 - **EFP: estimating halibut bycatch in CG Rockfish?**



Results

Good ...

- **Real-time accounting, data integration**
- **Good info access**
- **Good, responsive compliance monitoring**

Not so good ...

- **Many complex, disparate mgmt programs**
- **Uneven observer coverage/costs**
- **High quota management, IT support needs**



Keys to catch shares success

- ✓ **Econ. control, stability**
- ✓ **Real-time, Data access**
- ✓ **Good support services**
- ✓ **Responsive Mgmt, Enf**
- ✓ **Self-responsibility**




Industry trust, stewardship





Challenges

- **Observer coverage**
- **Enforcement complexity**
- **Agency-Industry dialog**
- **Resources: funding, staffing, tech**
- **E-reporting infrastructure**
- **Increased IT, customer support**
- **Effort estimation**
- **Data reporting, confidentiality**

A photograph of a brown seal perched on a dark, jagged rock. The seal is shown in profile, facing left, with its mouth wide open as if barking or calling. The background consists of a calm blue sea and a hazy, mountainous coastline under a pale sky.

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