

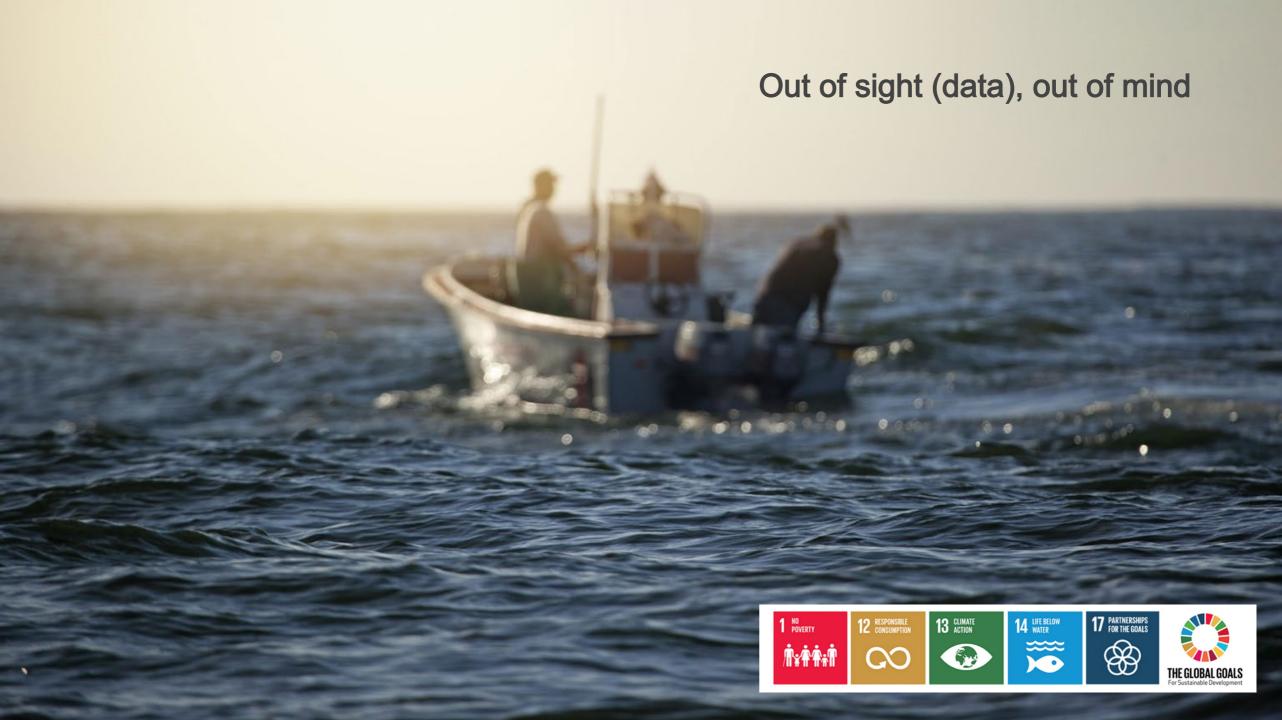
Session 7 Panel 7.1 International Symposium on Fisheries Sustainability: Strengthening the Policy-Science Nexus

#### SMALL-SCALE FISHERIES SUPPORT GLOBAL FOOD SYSTEMS









#### HOW CAN ICTS ANSWER SOME OF BIG DATA QUESTIONS ABOUT SSF?







#### CONVENTIONAL FISHERIES INFORMATION MANAGEMENT SYSTEMS



#### **GENERALISED CONCERNS**

LACK OF SUITABLE SYSTEM FOR SSF

#### **CUMBERSOME**

Including non-digitised systems

#### NOT SUFFICIENTLY CUSTOMISED

Particularly for complexities of SSI

#### **SUSTAINABILITY**

Sustainability beyond funding cycles?

(VERY) REMOTE SUPPORT

UNENGAGING



#### MANY PROMISING INITIATIVES USING MODERN ICTS IN SSF SPACE















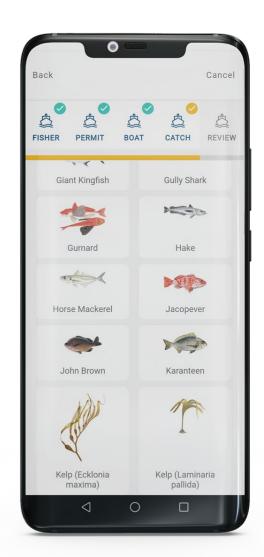








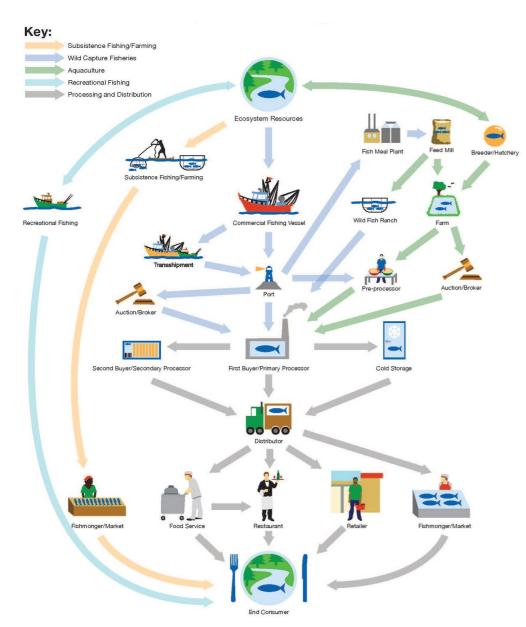
and others...

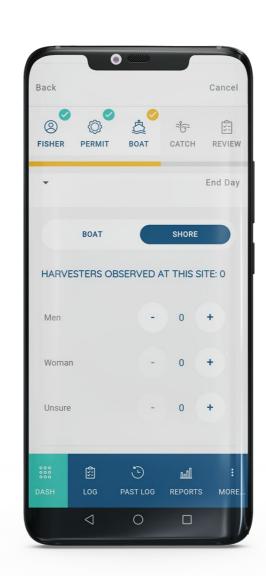


#### **ENTRY POINTS**









SAFETY AT SEA **COMMUNITY CATCH MONITORING** TRACKING TRACEABILITY IN SUPPLY CHAIN DATA COLLECTION FROM BOAT TO PLATE MARKET ACCESS

FISHERIES IMPROVEMENT PROJECTS

Image source: FishWise (2018)

#### **KEY DESIGN PRINCIPLES (OF INITIATIVES WITH TRACTION)**









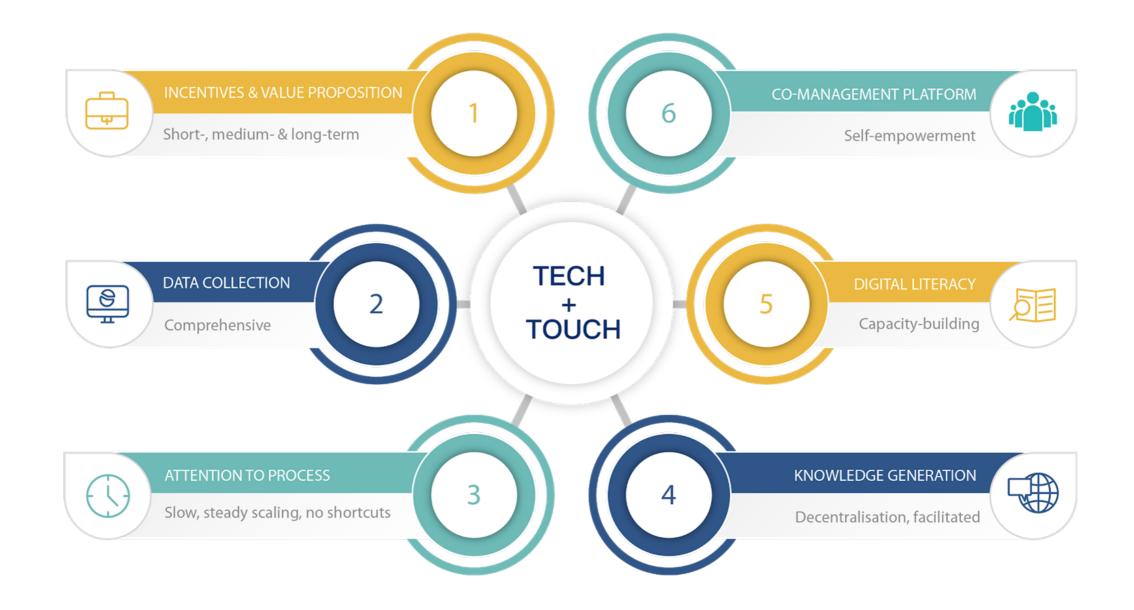




#### **IMPLEMENTATION MODEL IS CRITICAL**

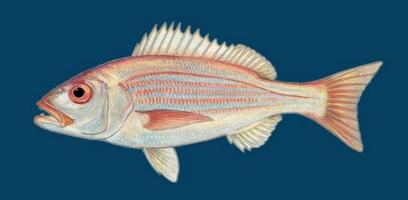






# RECOGNITION, RIGHTS & ACCESS STILL KEY CHALLENGES FOR SSF minimum

### corpenter



SILVER



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Scan\* here! The Catch of the Day has a story ...

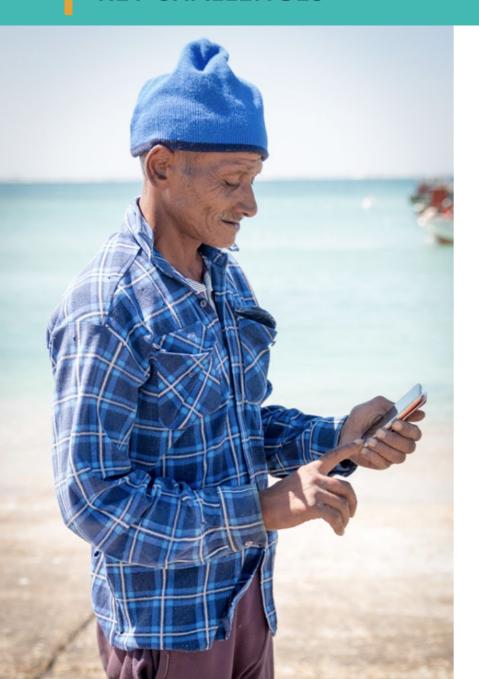
\* Android: Use our QR scanner app: http://abalobi.info/QR \*iPhone: Use your camera to scan!

#abalobi #fromhooktocook #storiedseafood #fishwithastory #whofishesmatters #slowfish #fairfish #traceableseafood

#### **KEY CHALLENGES**







Scepticism: Impact of ICTs & data Scepticism:
Big data –
unethical use/
monetisation

Security of cloud-based systems

Self-service Emaintenance Scalability & overcustomisation

Sustainability & costs

#### **RECOMMENDATIONS**





#### 05

#### SHARED TECH ECOSYSTEM/COLLABORATION

- · Careful curation & terms of use
- Faster scale to drive impact
- Locally owned implementations but pooled capacity for data management
- Transparent & grassroots process

03

CLEAR VENDOR/TECH SOLUTION IDENTIFICATION PROCESS

01

COLLABORATION WITH LOCAL & GLOBAL FISHER ORGANISATIONS IS KEY



)4

CREATIVE FEES MODEL – INTEGRATED INCENTIVES

)2

FOCUS ON INTEROPERABILITY, STANDARDS & DATA LINKAGES INCL. GOVERNMENT





## Partnering with FAO to make fisheries sustainable

