



North Sea Advisory Council

WORK ON CHOKES

NSAC Work – responding to Scheveningen Group Requests

- ▶ Internal meetings in London, Copenhagen and Stockholm
- ▶ Submitted advice on phasing and implementation of LO
 - ▶ **High degree of consensus**
 - ▶ **Some areas of difference**
- ▶ Participation in High level and Technical meetings
- ▶ Participation in meeting on Interspecies flexibility (Hague)
- ▶ Participation in meeting on International swaps (Copenhagen)

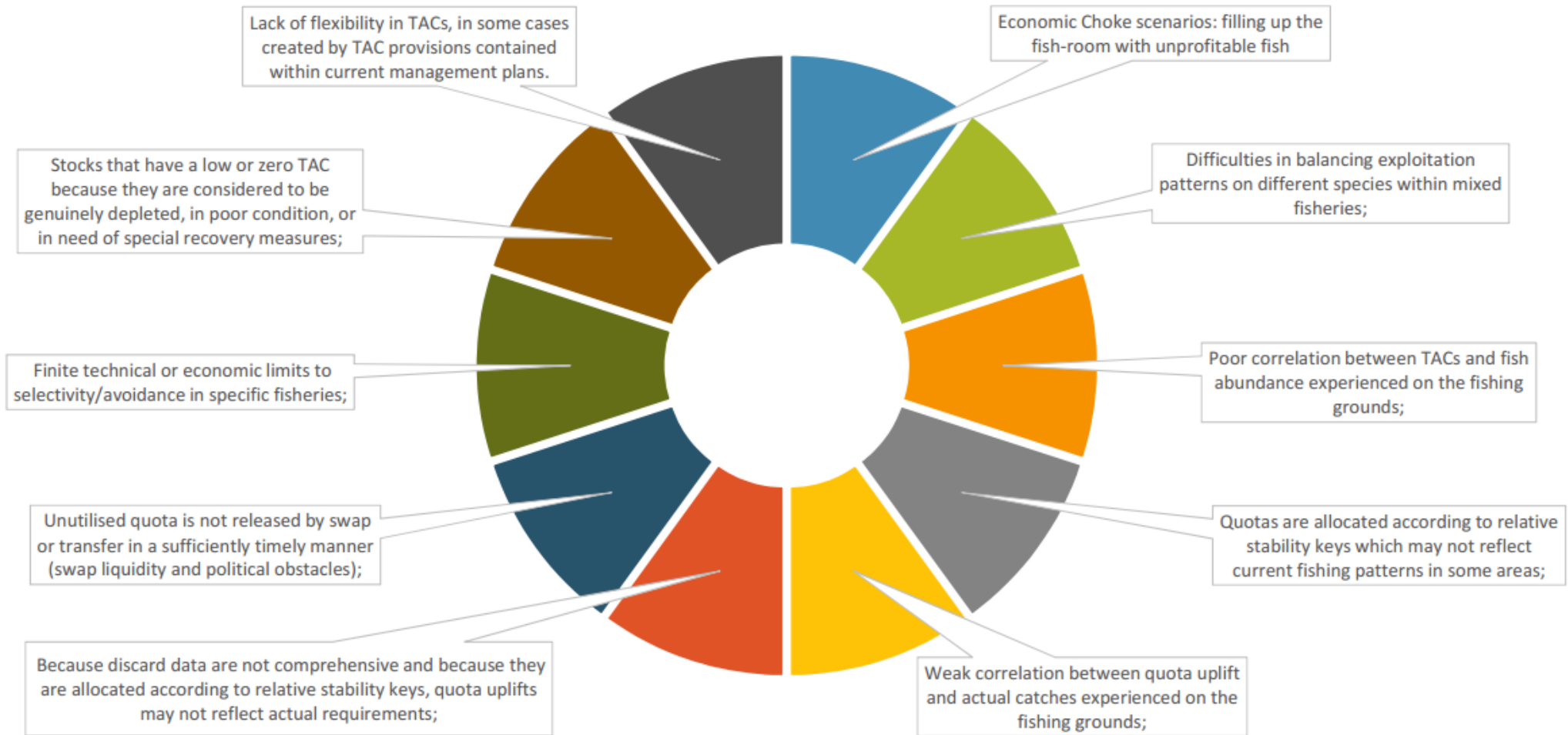
Mixed fisheries - chokes

- ▶ Chokes can occur anywhere (TAC level, gear category, member state, PO, vessel)
- ▶ Chokes will vary over time
- ▶ Different reasons for chokes
- ▶ Potentially very serious
- ▶ Work on identifying potential chokes in advance

Reasons for chokes

- ▶ Exhaustion of one quota prevents a vessel, fleet, or member state(s) from catching their main economic quotas.
- ▶ Chokes could potentially be caused by every stock in mixed fisheries, including high volume stocks.
- ▶ Chokes will vary over time, although some chokes can be expected to persist unless the underlying causes are addressed.
- ▶ There will be different types of chokes, which will demand different management responses.
- ▶ Identified 10 types of choke

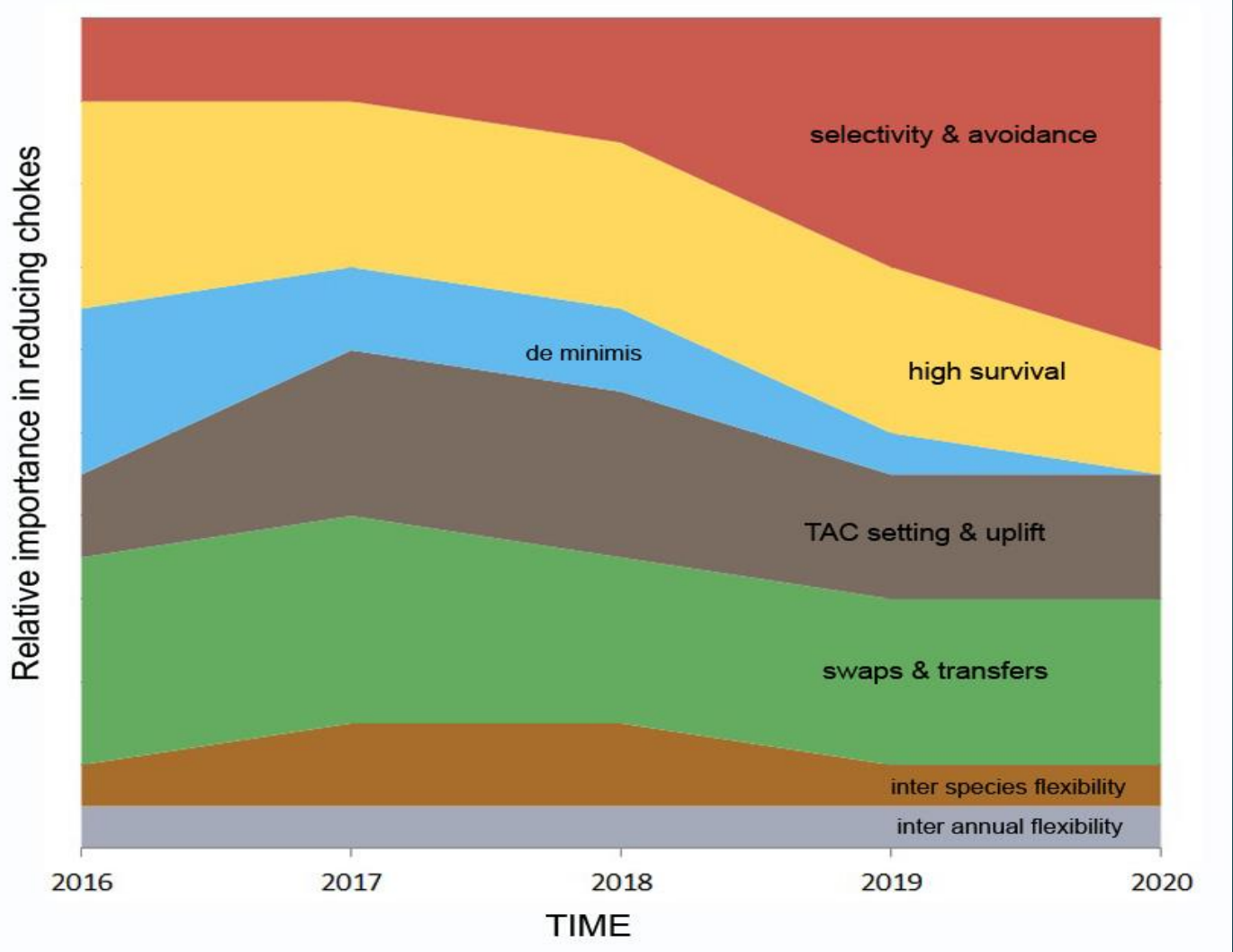
Types of chokes



Mitigation measures

- ▶ Selectivity and avoidance
- ▶ TAC setting in mixed fisheries
(F ranges and TACs which match abundance on the grounds)
- ▶ Uplift
- ▶ Distribution of uplift
- ▶ International swaps and transfers
- ▶ Internal MS quota management systems
- ▶ Decisions on high survival
- ▶ De minimis
- ▶ Inter- species flexibility
- ▶ Inter-annual flexibility

Cumulative use of mitigation measures



Work in progress



- ▶ Still under discussion

2017 Roadmap

- ▶ Cod (TR)
- ▶ Whiting (TR)
- ▶ Haddock (BT)

Whiting 2017

- ▶ Selectivity: progress but limits in mixed fisheries
- ▶ Avoidance: to a degree but ultimately limited in mixed fisheries
- ▶ TAC setting: yes
- ▶ Uplift: yes
- ▶ International swaps and transfers: yes, potentially very significant
- ▶ High survival: er... no
- ▶ De minimis: 5% - question of scale
- ▶ International swaps depend on liquidity in the system (currency and the willingness of member states to transfer out tonnages that may now be required to head off chokes of their own)
- ▶ Transfers from Norway in 2017 ?

Whiting 2017

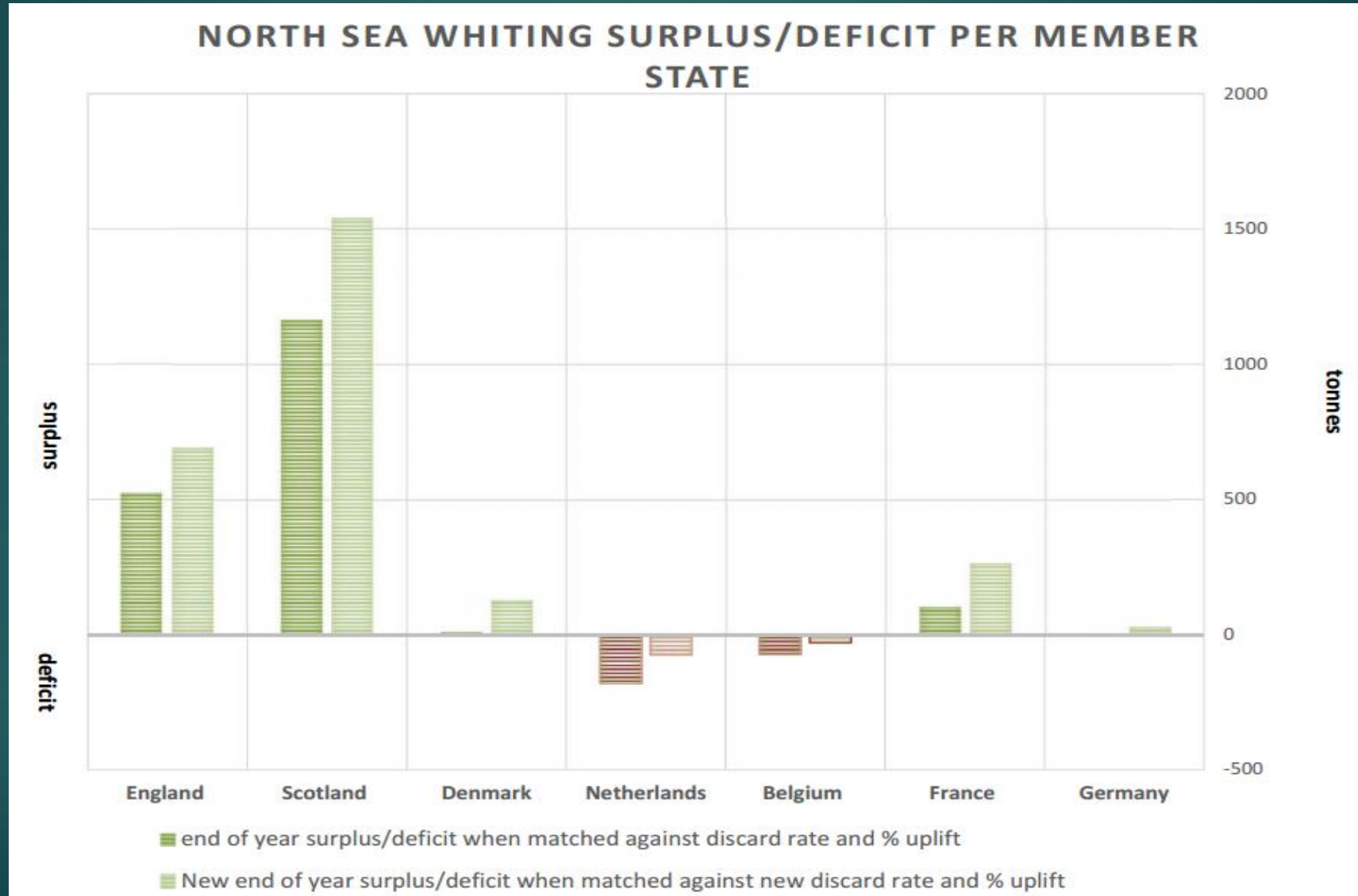
| | England | Scotland | Denmark | Netherlands | Belgium | France | Germany ³ |
|---|------------|-------------|------------|-------------|------------|------------|----------------------|
| Union Tac (wanted catch) for 2016 (t) | 12610 | | | | | | |
| Union Total TAC including uplift (t) Assumed 52% discard rate and full uplift | 19167.2 | | | | | | |
| Relative Stability Share (%) | 67 | | 9.25 | 5.35 | 2.15 | 13.9 | 2.42 |
| Relative Stability share of wanted catch) (t) | 2620 | 5829 | 1166 | 675 | 271 | 1753 | 305 |
| Relative Stability share of Uplifted tac (t) | 3982 | 8860 | 1773 | 1025 | 412 | 2664 | 464 |
| Difference between TAC for wanted and unwanted catch (t) | 1362 | 3031 | 607 | 351 | 141 | 911 | 159 |
| Discard rate %, 3 Year Average (2010 - 2012) ¹ | 32 | 32 | 51 | 79 | 79 | 46 | 52 |
| Uplift required to cover discard rate (t) | 838 | 1865 | 595 | 533 | 214 | 806 | 159 |
| end of year surplus/deficit when matched against discard rate and % uplift (t) | 524 | 1166 | 12 | -182 | -73 | 105 | 0 |
| new discard rate applying a 20% improvement in selectivity ² | 26 | 26 | 41 | 63 | 63 | 37 | 42 |
| New Uplift required to cover discard rate (t) | 671 | 1492 | 476 | 426 | 171 | 645 | 127 |
| New end of year surplus/deficit when matched against new discard rate and % uplift (t) | 692 | 1539 | 131 | -76 | -30 | 266 | 32 |

1: Discard rates are taken from the discard atlas of the North Sea

2: 20% is taken as an arbitrary value to indicate some improvements in selectivity will be made (see table section 4.4)

3: No specific discard rate is known for German fleet, therefore the North Sea average rate is used

Whiting 2017



Cod in 2017

- ▶ Cod Plan (TAC setting, effort control, catch composition and one net rule)
- ▶ Interim solution: repeal?
- ▶ Norway is central: Joint stocks
- ▶ ICES mixed fishery advice . Lowest common denominator > choke
- ▶ Fleets affected

Haddock in 2017

- ▶ BT member state fleets
- ▶ Next meeting 26th April

Regional Action Plan on chokes

- ▶ Prediction
- ▶ Mitigation
- ▶ Contingency

Thank you

