**Southern hake**

**Patagonian Fishery:**
- Chile XI-XIII Artisanal
- Bottom-set longlines

**IDENTIFICATION**
- **Scientific Name:** Merluccius australis
- **Species Name(s):** Southern hake
- **Common Names:** Merluza austral (Spanish), Merluza del sur
- **Stock Identification:** Within the Patagonian distribution of the species, a distinct stock is described from the Chilean coast down to the southern tip of the continent, corresponding to regions of Los Lagos, Aysén and Magallanes (IFOP 2018). As only a small portion of its distribution lies within the Argentinean EEZ, the stock is managed and assessed by Chile.

**ASSESSMENT**

**Strengths**
- This is a discrete population with clear boundaries that mostly don’t go outside of the Chilean jurisdiction, which facilitates the management of this fishery.
- There is a management plan in place since 2016 with clear management objectives.
- There is a plan for the reduction of discards and bycatch in place since 2017, and good information on bycatch levels especially in the industrial fisheries.
- There is a seasonal fishing ban in August every year.

**Weaknesses**
- The resource is officially recognized as overexploited.
- The advisory board CCT-RDZSA (Scientific and Technical Committee for the Demersal Resources Zone South and Austral) recognized in the last advice (2017) that F should be reduced below F_{target} given the current status of the stock, but this proposal could not be adopted because the conditions of the Management Plan are binding. And the plan doesn’t forecast a reduction of F at current levels of SSB (31% of SSB_{0}).
- Illegal and unreported fishing is officially recognized as a real problem for the stock by Subpesca (Subsecretary of Fisheries), the Management Authority.
- Fishing mortality rates have been above the recommended F_{MSY}.
- There is no detailed information on the impact of the fishing gears used to harvest southern hake on bottom habitats, although it is supposed to be low.

**Scores**
- **Management Quality:**
  - Management Strategy: ≥ 6
  - Managers Compliance: 6.1
  - Fishers Compliance: < 6
- **Stock Health:**
  - Current Health: 7
  - Future Health: 6.5
- **FIPS:** No related FIPs
- **MSC:** No related MSC fisheries

**Recommendations**
- Engage with authorities in prompt implementation of the approved management plan for the fishery.
- Ensure adequate reporting of catches (landing and discards) and bycatch, especially from the artisanal fleet operating in the fishery.
- Improve the regulatory compliance of the fishery to eliminate all IUU fishing, especially unreported landings by the artisanal fleet.

**Related Links:**
- Chilean Undersecretary of Fisheries and Aquaculture (SUBPESCA)
- Fisheries Development Institute (Chile) (IFOP)