

# Genetics in support of fisheries and aquaculture management

17-19 September Faro, Portugal





Scheduling and overall time: 60 minutes

Parasites and pathogens Invasive norphology identical processed species forensic fraud adaptability eues trait variation nucobiome Population Darso local adaptation BLO. Mon Eco mon Gutcontert Rare and Food uch design protected quantilative miderty Senomice recrutment natural nortality elusive Mgration mixture Fishery point of origin depredation ecological connecturity management platedness breiting escapees indurduat other Movemen developing age determ Corensic database grou Jex 2010/11/atto Stress









Scheduling and overall time: 60 minutes



Group work: 30 min

Overall reporting: total 30 min (10 min/group= 5 min discussion, 5 min = reporting



Group composition Choose rapporteur



Name	Group
Amanda Lazdina	2
Andhika Prasetyo	1
Daniela Lucente	1
Franziska Schade	3
Iker Pereda	3
Ingrid Tulp	3
Iraide Artetxe-Arrate	2
Joana Robalo	3
Kristin Helle	3
Marine Cusa	2
Miso Pavicic	1
Nikolai Klibansky	1
Ole Thomas Albert	2
Saemundur	1
Sandra Martins	1
Sara Francisco	2
Sara Maggini	3
Térence Legrand	2



Scenarios into management questions (Manager – formulate questions)

Information covered here and where possible an integrated approach utilising standard fishery practices incorporating genetic/genomic tools



## **GROUP 1**

#### Individuals

Western Mediterranean and Iberian stocks of **hake** – managed and assessed separately – have different minimum landing sizes (Iberian – 27 cm and W M – 20cm).

Problem of misreporting under-sized individuals from the Iberian stock into the Mediterranean – what would the Manager have to implement to deal with misreporting in the context of optimal exploitation of both stocks.

Manager: Nikolai



## **GROUP 2**

#### POPULATIONS

Genetic evidence of one subpopulation of **Atlantic tuna** in the SW of the stock distribution which is believed to be more depleted than the rest of the stock. How can you deploy tools available to increase the likelihood of optimal exploitation?

Manager: Ole



## **GROUP 3**

#### SPECIES

Your fisheries agency is being pressurised to open a new **mesopelagic fishery** and you are required to set up a management plan to exploit those species in agreement with international standards of optimal exploitation.

Manager: Ingrid