4TH WISEFEED AND 1ST NGN G MINI-WORKSHOP ON SUSTAINABLE NUTRITION AND FEEDING OF FISH

PLACE: University of Bergen, Bergen, Norway
Venue: Styrehuset, Thormøhlensgate 53A, 2. etg
DATE: 12. October, 2016, 08:30 – 12:00

08.30 – 08:50 - CONTROL OF DIGESTION IN FISH
Prof. Ivar Rønnestad (University of Bergen, Norway)

08:50-09:10 - FEEDNETICS - SIMULATING THE EFFECTS OF DIET AND TEMPERATURE ON GILTHEAD SEABREAM GROWTH, COMPOSITION AND WASTE
Dr. Luis Conceição (SPAROS Lda., Portugal)

09:10-09:30 – MODELING DIGESTION, METABOLISM AND GROWTH IN FISH
Dr. Tomé Silva (SPAROS Lda., Portugal)

15min – Coffee Break

09:45-10:05 – DIGESTION OF BALLAN WRASSE- GUT TRANSIT AND DIGESTIBILITY STUDIES
Dr. Øystein Sæle (NIFES, Bergen, Norway)

10:05-10:25 – PERISTALSIS OF THE BALLAN WRASSE
PhD student Hoang Thi My Dung Le (NIFES, Bergen, Norway)

10:25-10:45 – A 3D MODEL OF THE GUT OF BALLAN WRASSE- STATUS AND PLANS
Sissel Norland (BIO, Bergen, Norway)

10:45-11:10 – NUTRIENT SENSING SYSTEMS IN THE GI-TRACT OF FISH
Dr Ana S Gomes (BIO, Bergen, Norway)

11:15-12:00 – Lunch

12:00- 13:30 WORK SESSION: How to model digestion in fish in silico?
(Mandatory: Tomé, Luis, Øystein, Ivar. All are welcome, but voluntary and if you have interest and time)

Main topics:
- Presentation of existing draft models (Ivar, Tomé)
- Compartments to be modelled
- How to deal with differences in digestion between fish species
- Control factors to consider in model

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