



4TH WISEFEED AND 1ST NNGG 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 – *Coffe 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