

# Report on Parallel Session II

## Friday 22 June 2012

Production , Nutrition and Processing

- Production (7)- 4 talks on abiotic and biotic stress, 1 on chemical composition as animal feed , 1 on physiology and yield potential in oats, 1 using oats in socioeconomic improvement
- Nutrition and processing (7) 1 talk on bakery products, 1 on fermented products, 1 on protein and properties , 1 on new products, 1 on oat milk supplementation,1 on shower gel development and 1 comparing oat flake quality world wide

- Yield
  - Increase to be competitive to other crops/cereals
- Quality
  - Have reasonable quality for all stakeholders
- Crop management/ cropping systems
  - Improve rise the profit of farmers
  - To become an economic crop better productivity

- Processing
  - Oats have need to be multifunctional ( like maize or wheat for feed food biomass biofuel)
- Incorporate into mainstream high volume products
  - Bread
  - Beverages (beer)
  - Pasta ( see china)
- Plant based protein especially oat protein
- Also designer oats bred for high sterol etc

- In West (eg USA Europe) look for designer breeding to provide high sterol oats to combat diabetes and other weight related illness
- More “nutritional research”
- Environmental impact
- Expand from traditional areas
- Want likes of MacDonaldis and Greenpeace backing oats

- Increase productivity
  - Work as a team “critical mass”
  - Need funding (government and industry)
- Sustainable farming
  - Come closer together and exchange information best practices, web sites , multilingual ,advertising campaigns , image

### Human Health

nutrition research needed

designer breeding for oats (products) that will aid weight loss and diabetes control

target Celiac market 2%

- Need to maintain “critical mass” oat research and breeding under financed
- Attract new oat workers
  - Suggest competition at Oat Conference for best poster best thesis
- Image want backing of MacDonalds and Greenpeace
- Oats have bright future