



2009 WISCONSIN

Renewable Energy Summit

Renewables, Sustainability, Energy Efficiency,
Social Responsibility, and Green Energy Practices

Water Technology

Session 18-3

DATE:

THURSDAY, MARCH 26, 2009

Breakout Session 18-3:

Time:

10:00am - 11:45am

Presenters:

Aquaculture in the 21st Century and Beyond

Brian Sheppard, _Agricultural Research Service/USDA

Finfish account for approximately 30% of animal protein in the human diet and in some countries/societies, this value can exceed 80%. With declines in capture fisheries, contaminant issues and recent dietary guidelines recommending greater consumption of fish, there is a pressing need to develop ways in which to ensure access to safe, high-quality and sustainable finfish resources. Remarkably, aquaculture (fish farming) has rapidly increased in terms of world-wide production, however, for this trend to continue technical, production and sustainability issues must be addressed. This presentation will provide an overview of aquaculture production strategies, their advantages and disadvantages, and current efforts to improve efficiency.

Presenter Biographies:

Dr. Brian Shepherd

Dr. Brian Shepherd is the lead scientist for the US Department of Agriculture's Agriculture Research Service program at the Great Lakes Aquaculture Center at the Great Lakes WATER Institute, University of Wisconsin-Milwaukee.