

## Workshop on Biolubricants Marketing Uses and Chemistry Milan, October 9-10, 2014

The discussion about biolubricants (lubricants partly or in toto derived from natural renewable sources) began in Europe more than 20 years ago, in parallel with the development of biodiesel. After 20 years the situation is consolidated as a niche market, but for the next future forecasts indicate that we can expect a huge development of these products derived from vegetable oils. Standards for biolubricants are under discussion within the European Committee for Normalization (CEN) and rules for Ecolabeling exist since the early 2000.

In this workshop marketing, economical, ecological, technological and analytical issues will be discussed.

To register your participation please download the participation form at:

[www.eurofedlipid.org](http://www.eurofedlipid.org) or [www.sissg.it](http://www.sissg.it)

or ask for it by e-mail [paolo.bondioli@mi.camcom.it](mailto:paolo.bondioli@mi.camcom.it)

The WS will be organized in two half days, afternoon of day 9 and morning of day 10 October 2014.

Official language: English

The participation fee is set at 250 Euro, evening dinner included.

Two reduced fee participation slots (80 Euro) are reserved for PHD students (evening dinner not included)



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Euro Fed Lipid

European Federation for the Science and Technology of Lipids

## Workshop on Biolubricants Marketing Uses and Chemistry

Milano, 9-10 October 2014

CNR Research Area  
Via Corti 12, MILANO

## PROGRAMME

Thursday, October 9, 2014

Chair: P. Bondioli and M. Sala

### Session 1

- 13.50 - P. BONDIOLI (INNOVHUB SSI - DIVISIONE SSOG - IT)  
*Welcome address - Workshop presentation*
- 14.00 - *Production and refining of vegetable oils for industry purposes*  
M.V. RUIZ MENDEZ (INSTITUTO DE LA GRASA - CSIC - ES)
- 14.30 - *New technologies for biolubricant synthesis*  
N. RAVASIO (CNR ISTM - IT)
- 15.00 - *The agricultural phase of oleaginous no food crops in a perspective of sustainable biorefinery*  
L. LAZZERI, R. MATTEO, L. D'AVINO (CRA – CIN - IT)
- 15.30 - *Closing the life cycle: collecting and using exhausted biolubricants for energy purposes*  
A. PARODI (FLLI PARODI - IT)
- 16.00 - **Coffee break**
- 16.30 - *The Italian regulation for bio-lubricants. Opportunities and critical aspects (It.)*  
S. MANNELLI (CHIMICA VERDE BIONET – IT)
- 17.00 - *Novamont's model of 3° Generation Biorefineries: Opportunities and new developments in biolubricants*  
L. CAPUZZI (NOVAMONT - IT)
- 17.30 - *Renewable additive technology as a viable chlorine replacement for metal working applications*  
A. EASTWOOD (LUBRIZOL – UK)

19.30 - **Workshop dinner**

Friday, October 10, 2014

Chair: P. Bondioli and N. Ravasio

### Session 2

- 09.00 - *Biodegradable & Biobased - Standardisation Activities regarding Bio-Lubricants*  
R. LUTHER (FUCHS LUBRICANTS – DE)
- 09.30 - *Lubricants and chemical additives from renewable sources for industrial applications*  
F. BUCELLI (FOUNDRYCHEM - IT)
- 10.00 - *Techs and economics of an idea: the vegetable based metalworking fluids*  
M. BELLINI (BELLINI - IT)
- 10.30 - *Greening your portfolio, Use the UE ecolabel for lubricants (Development, procedure, criteria and future)*  
H. KROP (IVAM - NL)
- 11.00 - **Coffee break**
- 11.30 - *Metathesis reaction: an overview*  
L. BOGGIONI (CNR ISMAC - IT)
- 12.00 - *Biolubricant formulations: what the market offers as antioxidant Additives*  
M. SALA (INNOVHUB SSI - DIVISIONE SSOG - IT)
- 12.30 - *A case study: development and use of a biodegradable lubricant, to solve specific issues of systems installed in hydroelectric power plants*  
R. CARBONI (ALUCHEM - IT)
- 13.00 - *Closing remarks*  
P. BONDIOLI (INNOVHUB SSI - DIVISIONE SSOG - IT)