



FIMO-CROHUN & VITCLIC WORKSHOP

**13-15 February 2019, Čigoč,
Lonjsko Polje, Croatia**

ORGANIZED BY
University of Zagreb, Faculty of Science,
Department of Geophysics, Andrija
Mohorovičić Geophysical Institute (AMGI)*

ORGANIZING COMMITTEE

Željko Večenaj, *Cro*
Branko Grisogono, *Cro*
Damir Ptičar, *Cro*
Igor Mandić, *Cro*

KEY PARTICIPANTS

Tamas Weidinger, *Hun*
Ferenc Acs, *Hun*
Tamas Kramer, *Hun*
Hrvoje Hegeduš, *Cro*

PROGRAM

*The workshop is supported by MZO and FIMO-CROHUN

Wednesday, 13 February 2019	
12:00 –	Arrival, registration and preliminary discussions
Thursday, 14 February 2019	
Topic area 1: Measurements	
Chair: Branko Grisogono	
09:00 – 09:15	T1.1: FIMO-CROHUN project: Part I – summary <i>Željko Večenaj</i>
09:15 – 09:30	T1.2: FIMO-CROHUN project: Part II – measurements <i>Damir Ptičar</i>
09:30 – 10:00	T1.3: Analysis of high quality and rugged measurement systems for weather applications <i>Hrvoje Hegeduš</i> (invited speaker)
10:00 – 10:15	T1.4: Micrometeorological measurements in Zagreb vineyards and in Keszthely Bay: measurement strategies, instrumentations, databases and open questions <i>Tamás Weidinger</i>
10:15 – 10:30	T1.5: SODAR Measurements in Keszthely during the Balaton Campaign <i>Tamás Weidinger</i> (István Lázár)
10:30 – 11:15	Coffee break
Topic area 2: Vineyards and grapes	
Chair: Višnjica Vučetić	
11:15 – 11:30	T2.1: The grapes-human coevolution and the micrometeorology <i>Ferenc Ács</i>
11:30 – 11:45	T2.2: Leaf removal and the microclimate of the wine canopy <i>Marko Karoglan</i>
11:45 – 12:00	T2.3: Carotenoids as a photochemical protectors in grapevine leaves <i>Marko Karoglan</i>
12:00 – 12:15	T2.4: Analyses of agroclimatic indices applied to Croatian grapevine growing regions in present and in the future climate <i>Branimir Omazić</i>
12:15 – 12:30	T2.5: SVAT model application of different complexities for Jazbina data <i>Ferenc Ács</i> (Hajnalka Breuer)
12:30 – 12:45	T2.6: Contribution of the Hungarian Meteorological Service in the FIMO-CROHUN project <i>Tamás Weidinger</i> (Dávid Lancz and Balázs Szintai)
12:45 – 14:15	Lunch break
Topic area 3: Shallow lakes	
Chair: Maja Telišman Prtenjak	

14:15 – 14:30	T3.1: Dynamics on the two sides of the water surface of Lake Balaton: air side <i>Tamás Kramer</i>
14:30 – 14:45	T3.2: Dynamics of the two sides of the water surface of Lake Balaton: water side <i>Peter Torma</i>
14:45 – 15:00	T3.3: Expeditionary airborne survey of hydrodynamics in Lake Fertő <i>Mariann Szilágyi</i>
15:00 – 15:45	Coffee break
Topic area 4: Miscellaneous	
Chair: Hrvoje Marjanović	
15:45 – 16:00	T4.1: Ten years of eddy covariance and biometric CO ₂ flux measurements in Croatia <i>Mislav Anić</i>
16:00 – 16:15	T4.2: Hail climatology along northeastern Adriatic and corresponding weather types <i>Damjan Jelić</i>
16:15 – 16:30	T4.3: Bora event simulation case studies with Weather Research and Forecasting model <i>Andras Zénó Gyöngyösi</i>
16:30 – 17:30	Discussions and take-home messages
19:00 –	Dinner
Friday, 15 February 2019	
10:00 –	Excursion to geomagnetic observatory in Lonjsko polje