

BRITE

Biogeochemical Research along an Israeli TransEct

Israel, April-August 2013

An international collaborative campaign to investigate the CO₂, H₂O, energy, COS, VOC, and aerosols fluxes from pine forests and shrublands along the precipitation gradient (280 to 800 mm) in the semi-arid region using a mobile flux measurement platform.



Cathy Wills and Robert Lewis Program in Environmental Science



Hebrew University of Jerusalem



University of Innsbruck



National Center for Atmospheric Research, Boulder Colorado



University of Indiana, USA



Institute of Meteorology and Climate Research, Karlsruhe Institute of Technology, Garmisch-Partenkirchen, Germany



Universitat Autònoma de Barcelona

University of Barcelona



Jewish National Fund



Campaigns dates:

1. Peak season

Yatir Shrubs 4.4-14.4

Yatir Forest 14.4-24.4

Birya Forest 25.4-5.5

Birya Shrubs 6.5-15.5

2. Dry season

Yatir Forest 17.7-29.7

Yatir Shrubs

Eshtaol Forest 30.7-8.8

Eshtaol Shrubs

Birya Forest 11.8-21.8

Birya Shrubs 22.8-30.8

Participants:

Institute	Name	e-mail	Arrival /Departure	Research topic	Special needed
Weizmann Inst. CAMPAIGN HOST	Dan yakir Eyal Rotenberg Fedor Tatrinov Uri dicken Gil Yosef Yakir Preisler Yinon Rudich Ilan Koren	dan.yakir@weizmann.ac.il Eyal.Rotenberg@weizmann.ac.il fedor.tatrinov@weizmann.ac.il urilad@gmail.com gily@weizmann.ac.il yakir.preisler@weizmann.ac.il yinon.rudich@weizmann.ac.il ilan.koren@weizmann.ac.il		CO ₂ , H ₂ O, COS, energy fluxes. Sap-flow	
NCAR	Alex Guenther Peter Harley Andrew Turnipseed Roger Seco James Greenberg	guenther@acd.ucar.edu harley@ucar.edu turnip@ucar.edu roger@ucar.edu greenber@ucar.edu	6.4 23.4-15.5 3-26.4	VOC PTRMS Leaf scale VOC	Pump Power
U.Innsbruck	Thomas Karl	Thomas.Karl@uibk.ac.at	27.3-9.4	VOC flux-PTRMS	
U. Barcelona	Josep peñuelas Joan Llusia	josep.penuelas@uab.cat j.llusia@creaf.uab.cat	15-19.4 15.4-5.5	Leaf scale VOC	Licor6400 chamber
Indiana University	Sara Pryor Karen Hornsby	spryor@indiana.edu hornsbyk@indiana.edu	14.4-6.5	Aerosol flux-FMPS	Power and online sonic
KIT/IMK-IFU-Garmisch	HaPe Schmid	hape.schmid@kit.edu		Ceilometers-BL dynamics	Power
Hebrew University of Jerusalem	Jose Gruenzweig Omer Margalit Daniel Glikzman	Jose.gruenzweig@mail.huji.ac.il omer.omargalit@gmail.com daniel.glikzman@mail.huji.ac.il		Soil respiration Litter decomposition	New Soil chamber

Useful phone numbers

Dan's office- +972-8-9342549

Dan's phone- +972-54-5920155

Student's office- +972-8-9342072

Department secretary- +972-8-9343916

Apartment details

Hanasi harishon 57 (הנשיא הראשון 57)

Bait eropa (בית אירופה)

Room number 19

+972-8-9343955



Setting up the PTRMS and FMPS in the Mobile Lab



Setting up camp in another forest site

Selected pics from Stage I, April-May 2013



The daily mid-day picnic (Israeli & US team)



The Barcelona, Indiana team get excited in the Dead-Sea