



Participant Profile

for the
Turkish-German Strategy Workshop 2006
TÜBİTAK Marmara Research Center,
Istanbul- Gebze Turkey
13 – 15 December 2006



International Bureau (IB)
of the Federal Ministry of
Education and Research
(BMBF)

1. Contact details and personal information

Name:	Dr. Ünal Akkemik	Phone:	0.212.226.40.05
Role/function¹:	Associate Professor	Fax:	0.212.226.11.13
Institution:	Istanbul University	E-Mail:	uakkemik@istanbul.edu.tr
Department:	Forest Botany	Website:	http://www.orman.istanbul.edu.tr/orman/botanik/uakkemik/index.html
Address:	Faculty of Forestry	Organisation type²:	University
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¹ **Role/function** e.g. working group leader, managing director, postdoc, PhD etc.

² **Organisation type** e.g. university, research institution, small and medium enterprise (SME), industry etc.

Working Group:	<input type="checkbox"/> 1 Material Technologies <input type="checkbox"/> 2 Biotechnology, Genomics and Food <input type="checkbox"/> 3 Energy <input type="checkbox"/> 4 Information and Communication Technologies <input checked="" type="checkbox"/> 5 Environmental Protection, Climate Change and Sustainable Development
Areas of activity:	<input checked="" type="checkbox"/> research <input type="checkbox"/> technology development <input type="checkbox"/> demonstration <input checked="" type="checkbox"/> training <input type="checkbox"/> dissemination <input type="checkbox"/> other:
Keywords characterising your area of research:	Please choose the appropriate key words (max. 5) from the following list: http://www.cordis.lu/fp6/keywords Climate change, climate variability, forest ecosystems, dryland and arid ecosystems



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**Expertise,
technologies and
infrastructures
available in your
institution:**

Research activities / expertise: Dendroclimatology, dendroclimatic reconstructions, dendrochronological dating

Methods: Tree-ring analysis

Key technologies: Dendrochronology

Infrastructures: Ring-width measurements

Key publications:

AKKEMİK, Ü., ARAS, A. 2005. Reconstruction (A.D.1689-1994) of April-August Precipitation in Southern Part of Central Turkey. *international Journal of Climatology*. 25 (4): 537-548

AKKEMİK, Ü., DAĞDEVİREN, N., ARAS, A. 2005. A Preliminary Reconstruction (A.D. 1635-2000) of Spring Precipitation Using Oak Tree Rings in the Western Black Sea Region of Turkey. *International Journal of Biometeorology* 49 (5): 297-302

TOUCHAN, R., XOPLAKI, E., FUNCHOUSER, G., LUTERBACHER, J., HUGHES, M.K., ERKAN, N., **AKKEMİK, Ü., STEPHAN, J. 2005.** Reconstructions of Spring/Summer Precipitation for the Eastern Mediterranean from Tree-Ring Widths and its Connection to Large-Scale Atmospheric Circulation, *Climate Dynamics*. 25:75-98

SEVGİ, O., **AKKEMİK, Ü. 2006.** A Dendroecological Study on *Pinus nigra* Arn. on the Different Altitudes of Northern Slopes of Kazdaglari, Turkey, *indian Journal of Experimental Biology*. (Accepted).

AKKEMİK, Ü., D'ARRIGO, R., CHERUBINI, P., KÖSE, N., JACOBY, G. 2006. Tree-ring reconstructions of precipitation and streamflow for northwest Turkey. *international Journal of Climatology* (Submitted)

TOUCHAN, R., **AKKEMİK, Ü., HUGHES, M., ERKAN, N. 2006.** May-June precipitation reconstruction of Southwestern Anatolia, during the last 900 years from tree rings. *Quaternary Research*. (Submitted)



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2. Past and present research collaborations

Are you familiar
with the European
Framework
Programme?

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input type="checkbox"/> with Framework Programme 5 <input type="checkbox"/> with Framework Programme 6 <input type="checkbox"/> with Framework Programme 7	

EU-projects you are
involved in:
Past projects

**Programme title / contract number / title / acronym / your function
(coordinator / partner / contractor)**

Present projects

Other international
collaborations:

Dr. Gerhard Helle, Forschungszentrum Jülich GmbH, ICG-V: Sedimentary
Systems, Leo-Brandt-Strasse, 52428 Jülich, Germany

Name(s) and
contact details of
potential partners:

**If you would like to suggest the participation of particular partners from the
partner country based on existing contacts or collaboration experience,
you are welcome to indicate their names and contact details below:**

Dr. Ramzi Touchan, Lab. of Tree-Ring Research, The University of Arizona,
85721 Tucson, Arizona
Dr. Nüzhet Dalfes, Istanbul Technical University, Informatic Institute, Maslak-
İstanbul

3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

Tree-ring researches are very few in Turkey. Tree-ring Lab in my department is only one lab in Turkey performing extensive tree-ring researches, including past climate reconstructions and dating.

Dendroclimatology is one of the most important science department in determining past droughts, floods, dry and wet years. Because Turkey and its neighbours have water problems, to find out the long-term drought and streamflow are the key to understand the present. Living trees (pine, fir, spruce, juniper and oak species etc.) in Turkey can give good information about drought up to last 900 years.

Present and new collaborations with European and other countries will provide an ideal opportunity on our continuing work in the region.

I agree with the publication of my data on the Workshop website!

PLEASE FILL IN THIS FORM UNTIL 22 SEPT. 2006 AND RETURN IT TO:

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