

2nd Viennese Workshop
on Stable Isotopes in Biological and Environmental Research (SIBER)

held 28.01.2000 at the IAEA Laboratories, Seibersdorf

<u>Organizers:</u>	<u>Rebecca Hood, Wolfgang Wanek, Andreas Richter</u>
<i>Martin Gerzabek & Georg Haberhauer</i>	The use of stable isotopes in element dynamic studies
<i>Wolfgang Wanek</i>	Searching for isolation procedures of nitrogen species for ¹⁵ N natural abundance studies
<i>Mark Adams</i>	Carbon stable isotopes and conifers
<i>Sonja Heintel</i>	Use of ¹³ C natural abundance of leaf carbon fractions in assessing short-term water deficit situations
<i>Stefan Arndt</i>	Ecological basis for sustainable management of desert vegetation - stable isotope approaches
<i>Robina Shaheen</i>	The use of carbon isotope discrimination to screen wheat cultivars for salinity and drought tolerance.
<i>Thomas Franz</i>	Carbon transfer from plants into the soil and microorganismal use of rhizodeposition
<i>Rebecca Hood</i>	Isotopic signatures in water-soluble organic carbon. Why and where from?
<i>Leo Mayr</i>	Isotopic signatures in water-soluble organic carbon. How?
<i>Thomas Hein</i>	Hydrological connectivity: Driving force for the dynamics, composition and sources of particulate organic matter (POM) in floodplains of the River Danube, Austria
<i>Johanna Lippmann</i>	Determination of a pore water system by means of tritium, C-14, deltaD, deltaO-18, S-34 and noble gases: A case study
<i>Mirta Matijevic</i>	Quality assurance of isotope measurements

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