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Ingeborg Levin: A retrospective of her scientific accomplishments, radiocarbon and atmospheric 14CO2 research

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In February 2024, the radiocarbon community suffered a great loss with the passing of Ingeborg Levin, a prominent figure in the field.

This tribute commemorates her scientific journey, which began in 1978 with her diploma thesis "Regional Modelling of Atmospheric CO2 Based on C-13 and C-14 Measurements." Throughout her career, she focused on studying various trace gases, such as CH4, N2O, CO, H2, 222Rn and SF6, while integrating data from isotopologues whenever possible.

Her research into global radiocarbon activity in atmospheric CO2 and its implications for the global carbon cycle remained a central passion. With a focus on radiocarbon analysis, her primary goal was to accurately pinpoint global and regional sources and sinks of the most critical greenhouse gases.

For years, she served as a role model for many young and established scientist, played a key role within the WMO GGMT community, respected not only for her expertise but also cherished as a supportive colleague and friend.

Through her involvement, Ingeborg emphasized the need for a precise and cohesive data foundation for future greenhouse gas studies. This awareness inspired her to champion the establishment of the European research infrastructure ICOS (Integrated Carbon Observation System).

In this tribute, we reflect on Ingeborg's enduring impact on radiocarbon research and the profound influence her work continues to have in the field today.

Student Submission

No

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