

25 years of worldwide research

20 years of TROPOS research worldwide

The year 1990 marked the end of the scientific landscape in Leipzig but also a new beginning. The unification agreement provided the so called "completion" of all research institutes of the former Academy of Sciences of the GDR before the end of 1991. 1,500 employees of various institutes worked on the site of today's Wissenschaftspark Permoser Straße (science parks Permoser road) - including about 85 employees of the Research Center for Chemical Toxicology, which focused on environmental research since the 1970s.

After a period of renewal and considerations to integrate the institute to the newly established UFZ or to operate it as a branch of the Fraunhofer Institute, the Institute for Tropospheric Research was formed by the Federal and State Ministries of Science upon recommendation of the Scientific Council on 1 January 1992.

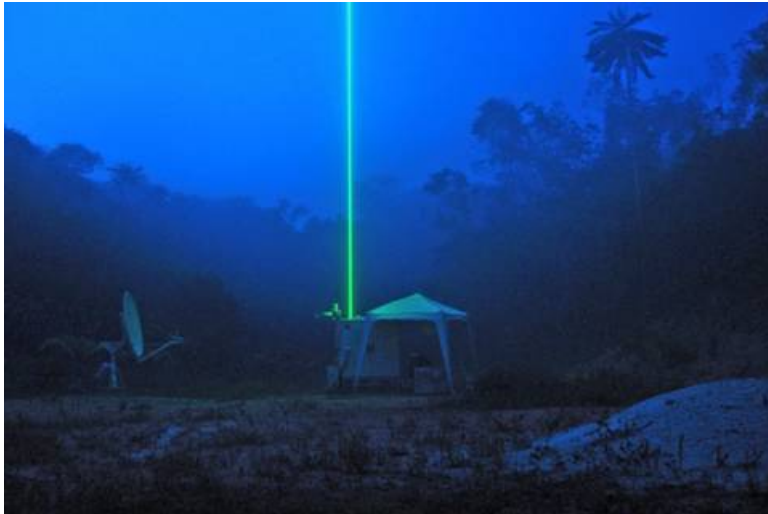
When the Institute began its work in early 1992, the number of employees was approximately 30. Only the Chemistry Department was fully operational and mainly occupied with the research project SANA (renovation of the atmosphere above the new German federal states). Thanks to the efforts of founding director Prof. Peter Warneck, who established the Institute together with his deputy Prof. Dr. Eberhard Renner the institute could evolve. The number of employees has more than doubled from 52 at the beginning to 170. The budget even has tripled (from 9 million DM in 1993 to 13 Million € today). In the 1990s, the heavily polluted atmosphere over the industrial region "Chemiedreieck Leuna-BunaBitterfeld" of the former GDR was the focus of research due to the area's huge environmental problems.

With decreasing air pollution the work became increasingly international in the following years. Within the last two decades, TROPOS has developed a profile that meets the characteristics of the Leibniz Association: Social relevance, scientific excellence, application-oriented basic research and cooperation with universities. TROPOS is contact for politics, society and science in the impact-fields health and climate.

Selected measurement sites and campaigns



Atmospheric observatory OCEANET onboard the research vessel Polarstern, Source: TROPOS



Raman LIDAR Polly in Amazonia, Source: Holger Baars/TROPOS



Digital aerosol sampler on the 30m high tower of the Atmospheric Research Station in Sao Vicente, Cape Verde Islands, Source: TROPOS



During the campaign MACE 2015 mobile particle measurements were performed. (Source: Wolfram Birmili/TROPOS).



The CADEX campaign investigates characteristics and transport of dust over central asia (Source: Julian Hofer/TROPOS).



Beijing as a hot spot of air pollution is a measurement site for TROPOS long term studies. (Source: Bettina Nekat/TROPOS).



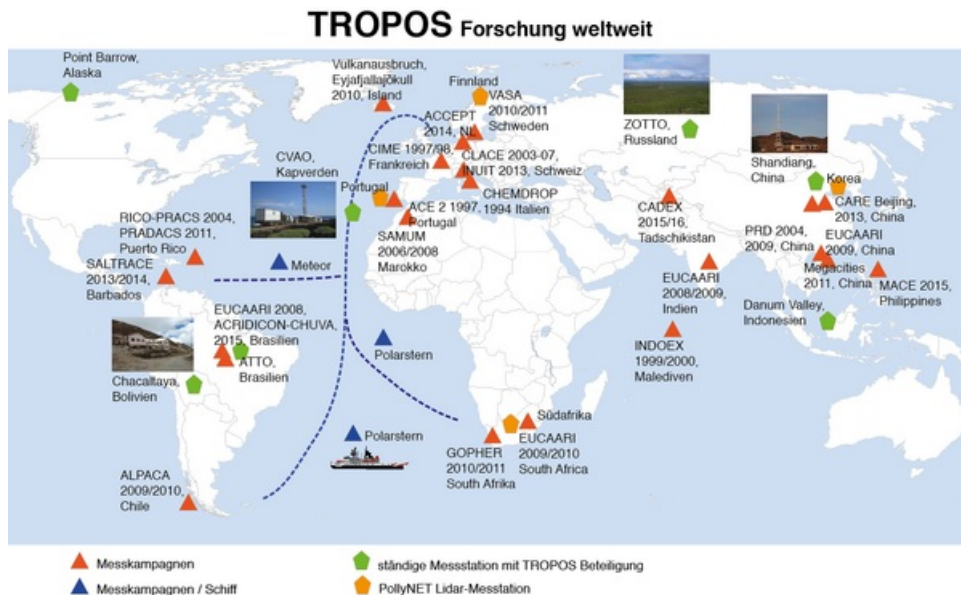
To analyze exchange processes between ocean and atmosphere samples of surface layer are taken from the Atlantic ocean. (Source: Tilo Arnhold/TROPOS)



The highest atmospheric measurement station of the world: Chacaltaya observatory in Bolivia

- Further information regarding TROPOS measurement campaigns

Selected TROPOS research activities worldwide



**Leibniz-Institut für
Troposphärenforschung e.V. (TROPOS)**
Permoserstraße 15
04318 Leipzig

Phone: ++49 (341) 2717 7060
Fax: ++49 (341) 2717 99 7060

Follow us on Twitter:
@TROPOS_de



The Leibniz Institute for Tropospheric Research is a member of the Leibniz Association.

© 2021 Leibniz Institute for Tropospheric Research. All rights reserved.