



The Tornado-Arbeitsgruppe Deutschland (TAD) - Introducing a work group in the field of tornadoes in Germany

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The “Tornado-Arbeitsgruppe Deutschland” (TAD, in English: Tornado Workgroup Germany) was founded as an informal group within the Skywarn Deutschland organisation in 2007. The group, consisting of meteorologists, interdisciplinary contributors and experts in the field of meteorological forensic, evolved into an independent group in 2014. Eventually, the group becomes an official association in April 2015.

The tasks include the implementation of site surveys and investigations, evaluations of witness reports, damage assessments and the visualisation of damage paths, including damage intensities and tree fall pattern. Analyzing tornado events in respect of aspects in the fields of building stability and vegetation robustness, these events will be classified as plausible or confirmed events – similar to the ESWD standards. Another status is possible for events which can neither be confirmed nor considered as plausible. Those events remain in the class of “suspected cases”. Furthermore, the group is involved in archival work (newspapers, church records, etc.) to increase knowledge about historical tornado events in Germany. The compiled results are made available to the general public.

Introducing the TAD, procedures and site survey analyzes will be shown in details using selected tornado events on 24 May 2010 in Eastern Germany, as well as tornado events on 11 June 2014 in Northern Germany and on 6 July 2014 in Western Germany.