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The new Central German Lake District - A Hydrochemical Overview on a Post Mining Landscape -

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In Central Germany we can currently observe the birth of a lake district growing up from former open cast lignite mines. Till 2060 all the former lignite mines will be closed and over 500 lakes will be emerged from. This facts have consequences on the physical and chemical regimes of the water bodies which are often strongly affected by anthropogenic influences. For a better understanding of the related physical and chemical mechanisms, the Saxon Academy of Sciences started a long term monitoring program on selected "typo- lakes" in the new Central German lake district. We will present the lake typology based on hydrochemical and physical parameters of the status quo.