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## **Walthers Law – Sequenzstratigraphie and sediments from Older Tertiary age in Germany**

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### **Abstract**

In the year of his 150<sup>th</sup> birthday in 2010 the achievements of the famous German geologist Johannes Walther will be appreciated in special ways. This article focuses on the meaning of "Walther's law" (of facies correlation) for Tertiary sediments in the middle part of Germany. "Walther's law" is one of the basic principles of sequence-stratigraphic methods. Therefore it is important to use Walther's law for stratigraphic interpretation of sediments from the southern edge of Tertiary sea in Older Tertiary age at German Estuary Zones. The results will be compared with well documented Tertiary sediments from Southern Australia. This marine, estuarine and terrestrial sediments were sedimented in comparable facies and geographical position.