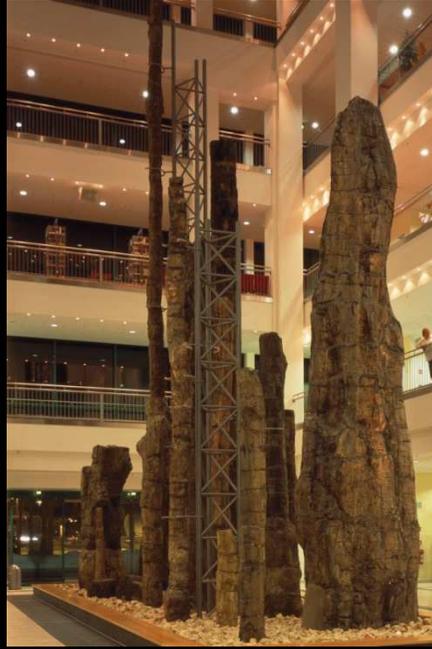


Centrum Nauki i Sztuki Stara Kopalnia w Wałbrzychu, 30.-31.03.2017



# The Chemnitz Museum of Natural History – source and result of knowledge

Ronny Rößler



Museum  
für Naturkunde  
Chemnitz



## Chemnitz

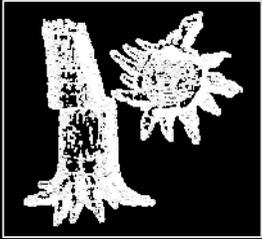
The name is derived from the word „stone“.  
1<sup>st</sup> mentioned in 1143  
today: 245.000 inhabitants



Georgius Agricola (1494-1555): famous mayor of Chemnitz



from Walbrzych 300 km to west  
at the same latitude



## Museum für Naturkunde Chemnitz

Foundation: in 1868

Municipal museum, oldest museum of Chemnitz

ca. 300,000 collection specimens

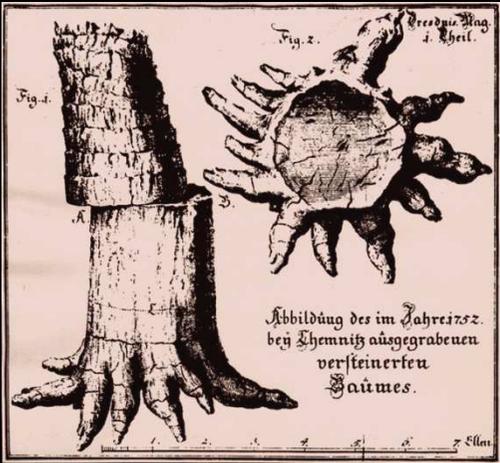
ca. 30,000 visitors per year

8 permanent staff members (and a few funded)

140,000 EUR annual budget



# Centuries of finds

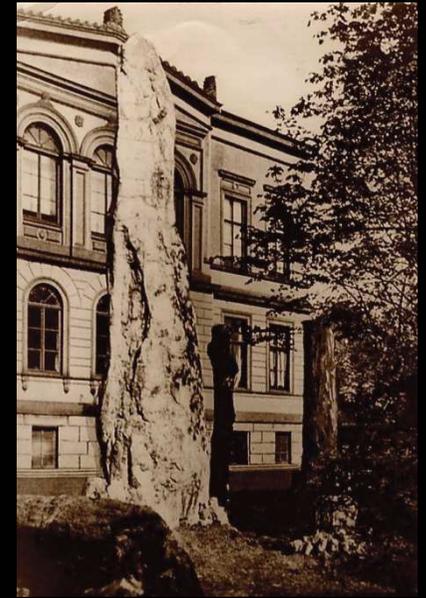


1752

1893



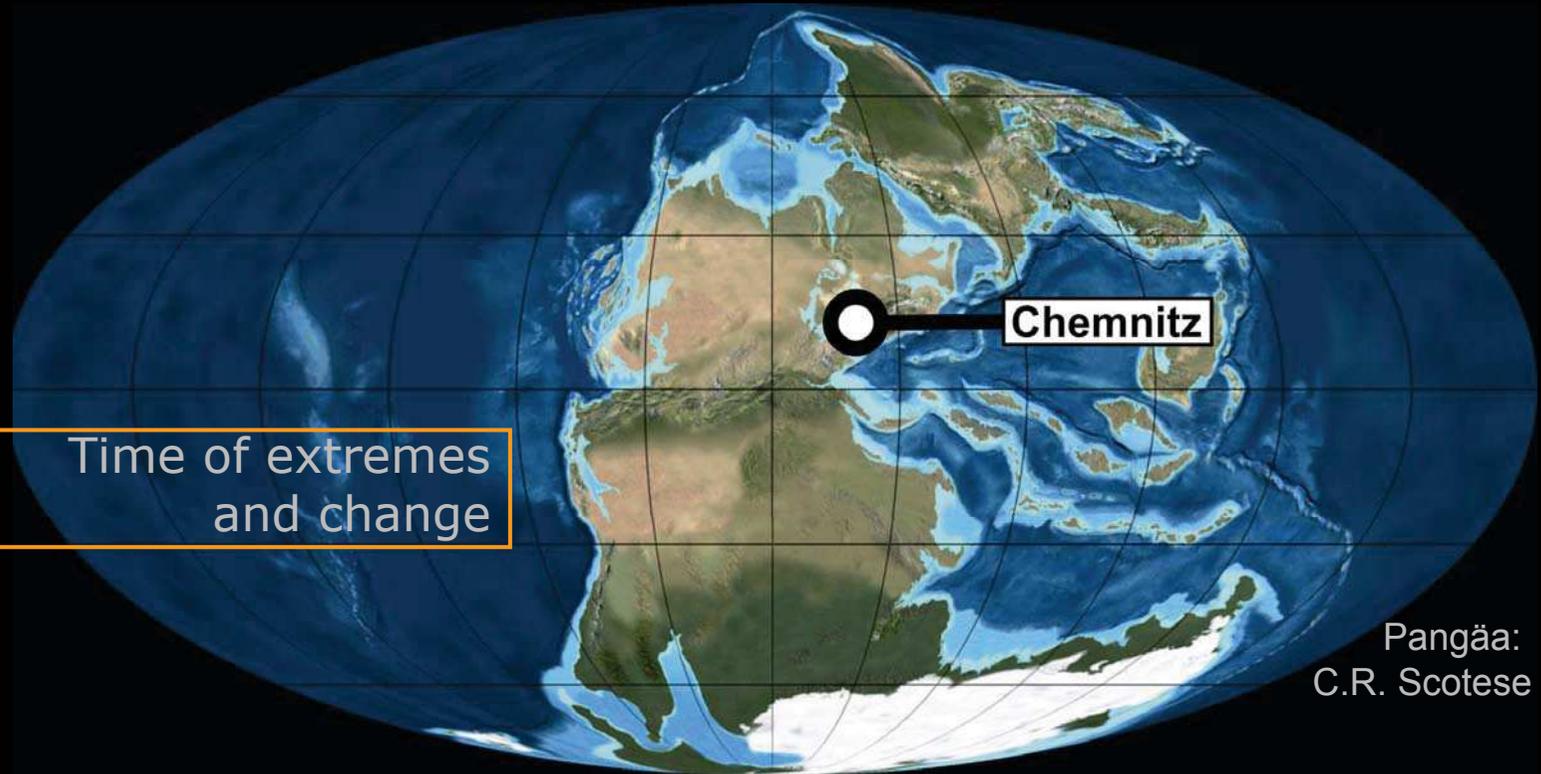
1996



2009



291 Million years back



Time of extremes  
and change

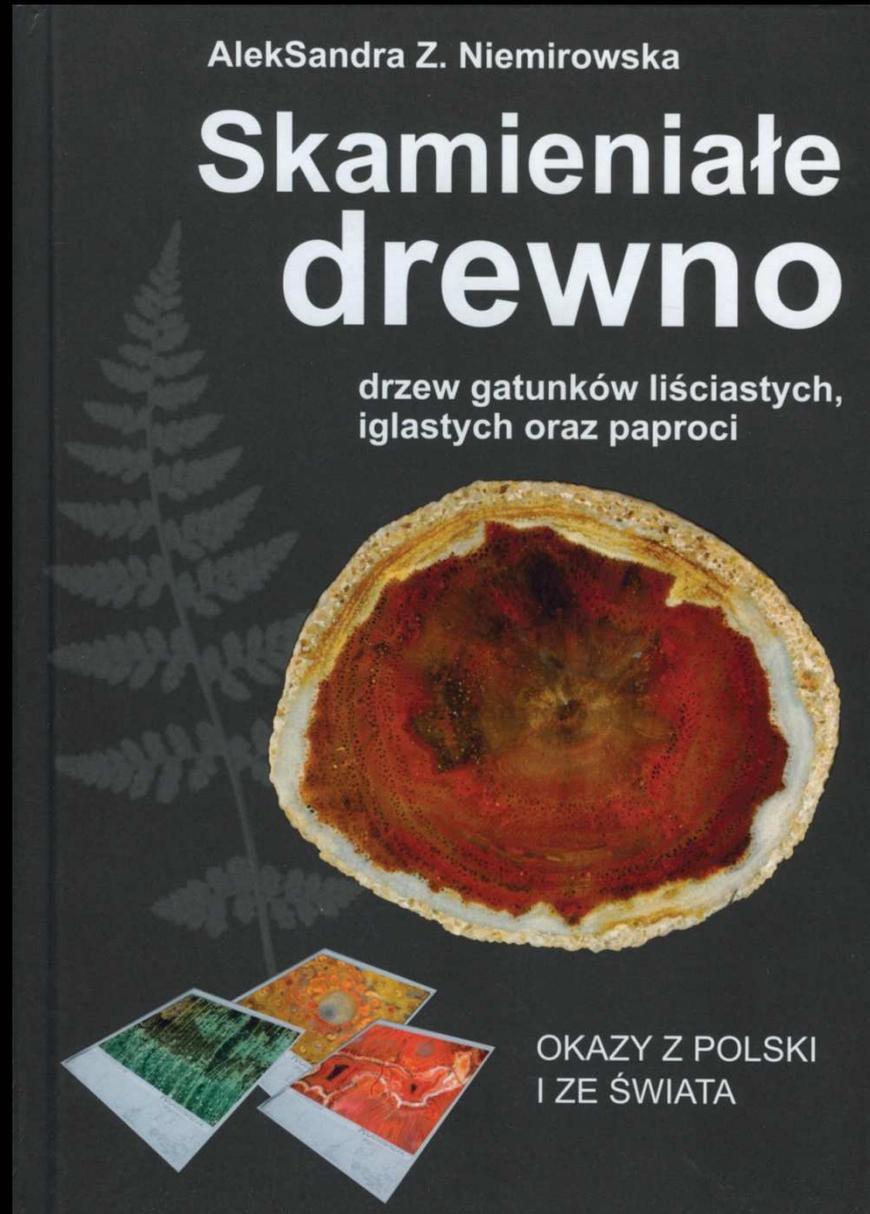
Pangäa:  
C.R. Scotese

Känozoikum	Neogen	23
	Palaeogen	65,5
Mesozoikum	Kreide	145,5
	Jura	200
	Trias	251
	Perm	299
Paläozoikum	Karbon	359
	Devon	416
	Silur	444
	Ordovizium	488
Paläozoikum	Kambrium	542
	Präkambrium	



## International networking

close cooperation to scientists, citizen scientists and local collectors



Author Sandra Niemirowska visiting Chemnitz

1 2008-2011 First scientific excavation Chemnitz-Hilbersdorf

## Results

→ finds: > 2.000

**Plants:**  
53 stems *in-situ*  
diverse organ connections

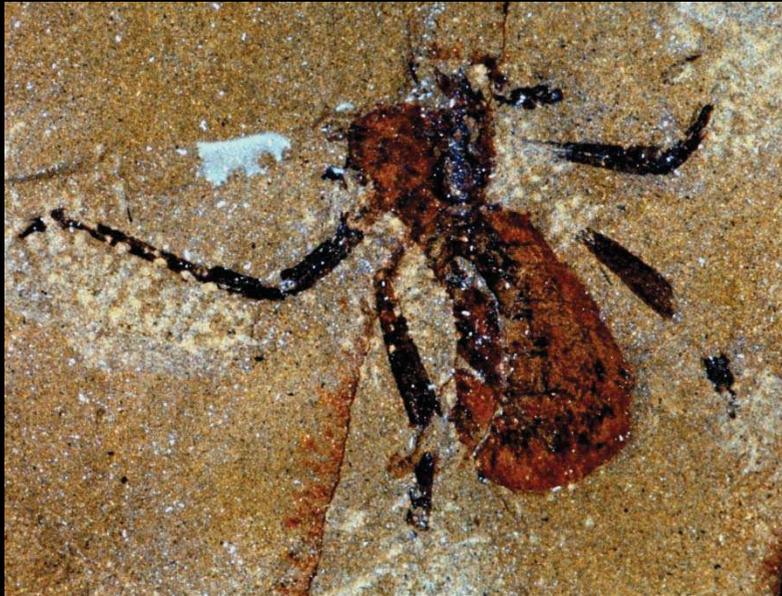
**Vertebrates:**  
5 Reptile skeletons  
2 Amphibian skeletons  
single bones and teeth

**Invertebrates:**  
2 millipedes (Diplopoda)  
?1 centiped (Chilopoda)  
1 *Arthropleura*-leg  
5 Arachnids (trigonotarbids  
scorpions, whip-scorpion)

terrestrial gastropods  
problematica

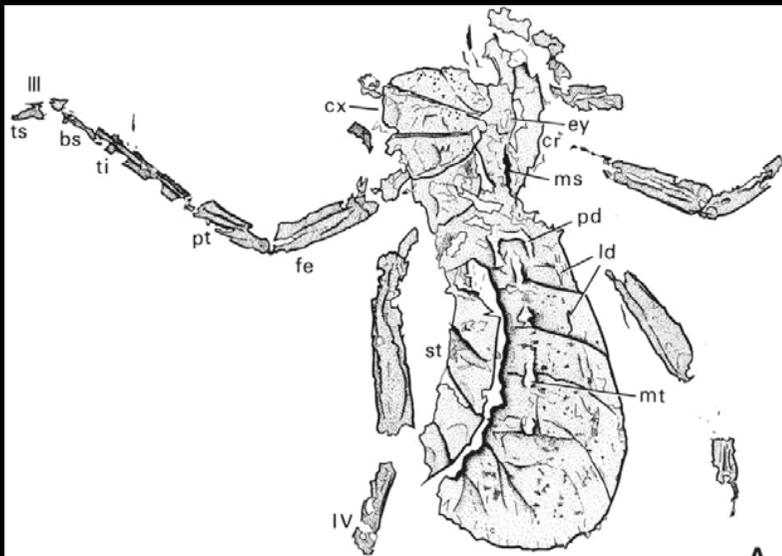


635 rock samples, 18.000 photographs, 6h digital video

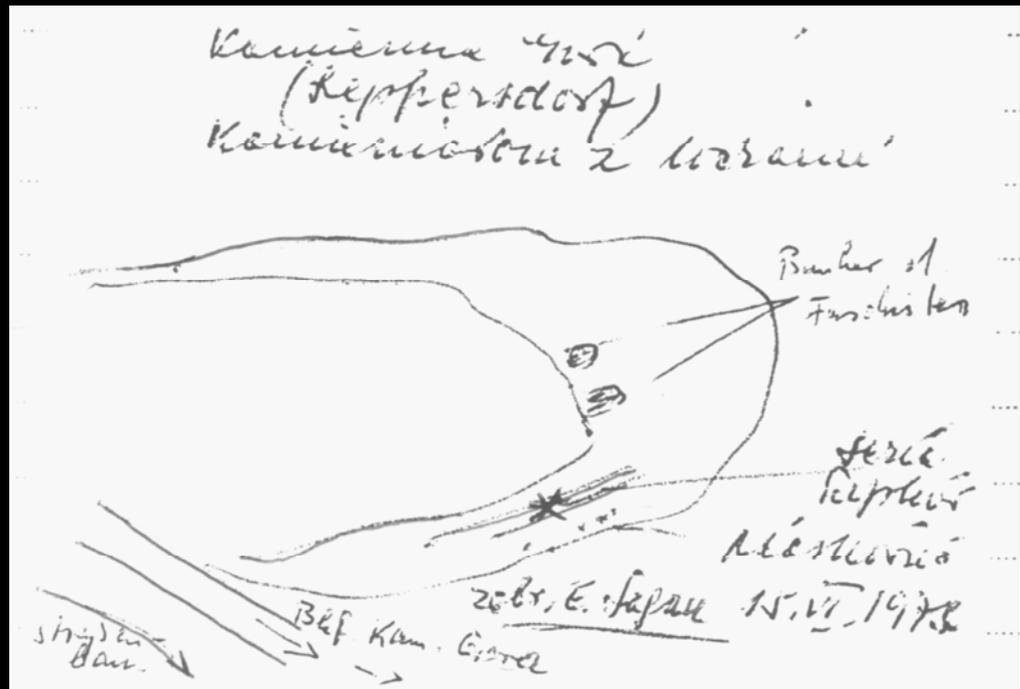


*Schneidarachne saganii* Dunlop et Rößler 2003  
and the story behind

- early Carboniferous (Viséan)
- Kamienna Góra, Poland
- collected by Eufrozyn Sagan in 1973
- given to Prof. Jörg Schneider, Freiberg
- scientific identification and description 2003



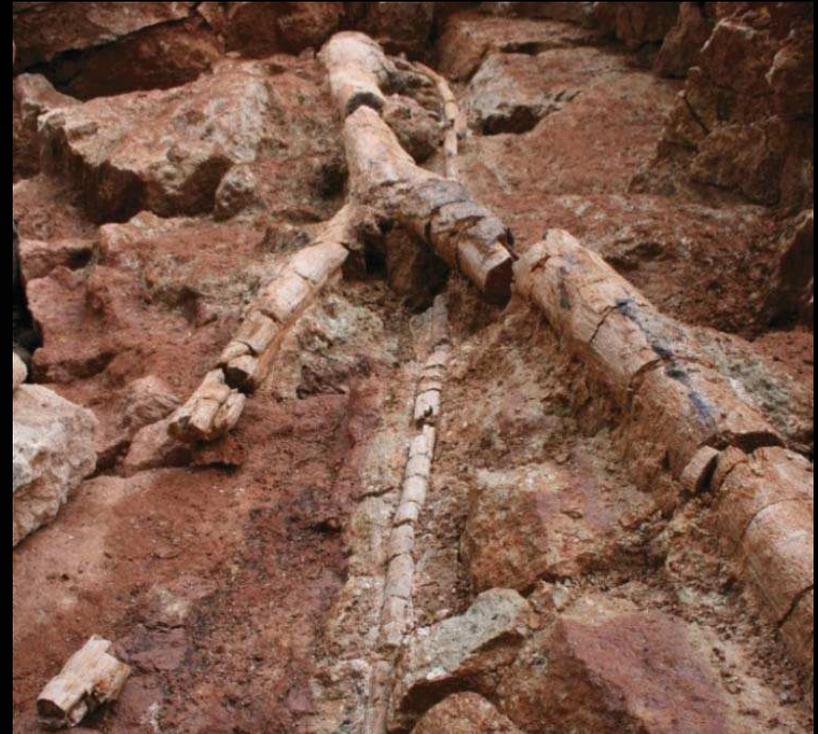
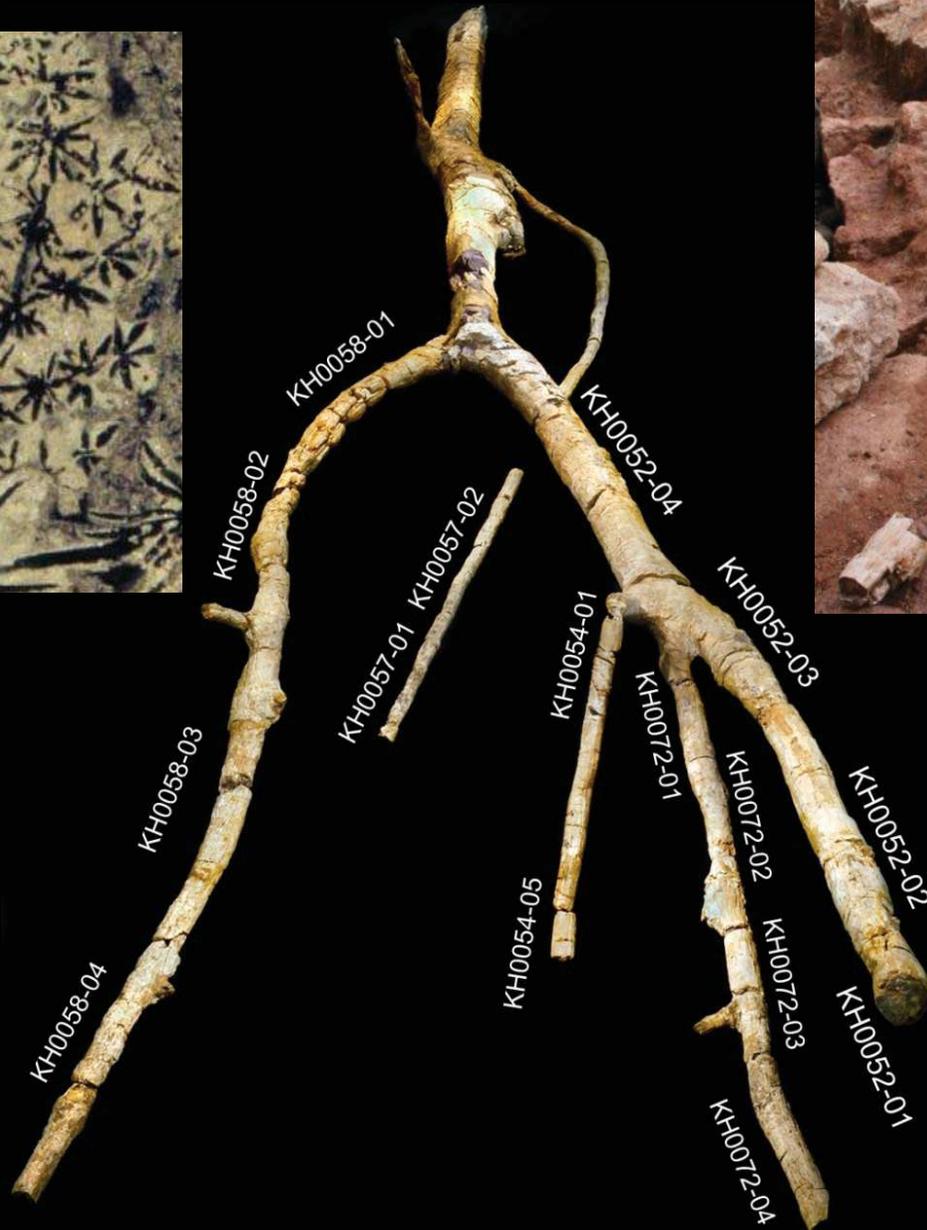
Original draft label  
of Eufrozyn Sagan



*Medullosa stellata* uppermost stem with crown & two levels of attached fronds



*Arthropitys bistriata*  
the largest horsetail tree of the Earth history



**FOSSIL  
OF THE YEAR  
2010**

Feng et al. (2012), Chin. Sci. Bull.  
Rößler et al. (2012), RPP