

## Public Lecture Evaluation

<b>Masaryk University</b>	
<b>Faculty</b>	Faculty of Science
<b>Procedure field</b>	Physical Geography
<b>Applicant</b>	Ulf Büntgen, Ph.D.
<b>Lecture date</b>	11 October 2018
<b>Lecture topic</b>	Tree rings in Physical Geography
<b>Persons present</b> (number)	45 (see attached list of attendees)
<b>Designated evaluators</b> (board members)	prof. Jozef Minár, Komenský University, Bratislava prof. Bohumír Janský, Charles University, Prague prof. Petr Dobrovolný, Masaryk University, Brno

### Summary

During 45-minute presentation, Ulf Büntgen was continuously motivated and highly concentrated. Due to a broad and extensive “Introduction” into the status quo of modern tree-ring research, including the most recent advancements in quantitative wood anatomy, followed by timely examples of how both, tree-ring data and methods, can be implemented successfully in various aspects of forefront Physical Geography, the vibrant talk was very well-structured.

In a didactically most suitable way and considering the broad audience of students and scholars from the Department and beyond, Ulf Büntgen navigated through an exceptionally wide field of extremely relevant topics, all under the global climate change umbrella, and all directly or indirectly related to either the data used or methods applied in tree-ring research. In so doing, the candidate presented his latest achievements at the interface of climate variability and human history, as well as new insights into environmental systems analysis. Individual examples ranged from the cell to the hemisphere and from the last decades to the Late Glacial period. The remarkable breadth of topics presented in not more than 45 minutes, reflects the candidate’s outstanding interdisciplinary network of the best scholars around the world, his intellectual vision and restless motivation, as well as his extraordinary publication output.

Throughout his talk, Ulf Büntgen was always able to explain even complicated issues and each single graph appeared to be understandable and useful. In a conceivable way, the many slides not only provided important scientific content, but also appeared to be aesthetically appealing, because colourful diagrams were supplemented by numerous pictures from relevant sampling sites and data sources of different topics from around the world. In the discussion afterwards, the candidate was answered each question eloquently, and thus emphasized his understanding of the various aspects that are actually important in Physical Geography. In summary, Ulf Büntgen’s presentation convinced the audience and committee about the emerging role tree rings can play in addressing essential questions of environmental and climate change in a complex world.



### **Conclusion**

The lecture delivered by Ulf Büntgen, entitled “The Application of Tree Rings in Physical Geography” and delivered as part of the professor appointment procedure, *demonstrated* sufficient scholarly qualification and pedagogical capability expected of the applicants participating in a professor appointment procedure in the field of Physical Geography.

In Brno on 11 October 2018

prof. Jozef Minár

prof. Bohumír Janský

prof. Petr Dobrovolný