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## Poster Session 1 – Population Dynamics

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### 46 Recent bamboo flowering in Chittagong Hill Tracts of Bangladesh: anticipating new rodent outbreaks

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Rodent outbreaks resultant from bamboo flowering is a real phenomenon that damages farmer crops in parts of the world particularly Chittagong Hill Tracts (CHT) of Bangladesh, Mizoram in India and Chin State of Myanmar. In 2006 *Melocanna* bamboo flowered in CHT and severe food shortage was reported of that regions until 2011. Recently *Dendrocalamus longispathus* (Kurz) and *Dendrocalamus giganteus* (Munro) have flowered in CHT where farmers are predicting a new rodent outbreaks due to bamboo flowering. Following the bamboo flowering, six community meetings were organized in different places to understand the timing of bamboo flowering and magnitude of bamboo flowering. The farmers reported that bamboo flowering started in January and may produce seeds in May-June. Previous research suggests that timing of bamboo flowering and seeding coincided with the increase of the rodent population and damage and crops loss. Effective monitoring of bamboo seeding as well as early awareness of the rural people about the increase of rodent population with the use of appropriate technology like community trapping, trap barriers system might avoid crops loss and damage to household belongings by the rodents. Government and non-government institutions along with rodent experts need to take immediate measures to avoid food shortages and associate risks derived from rodent outbreaks in CHT.

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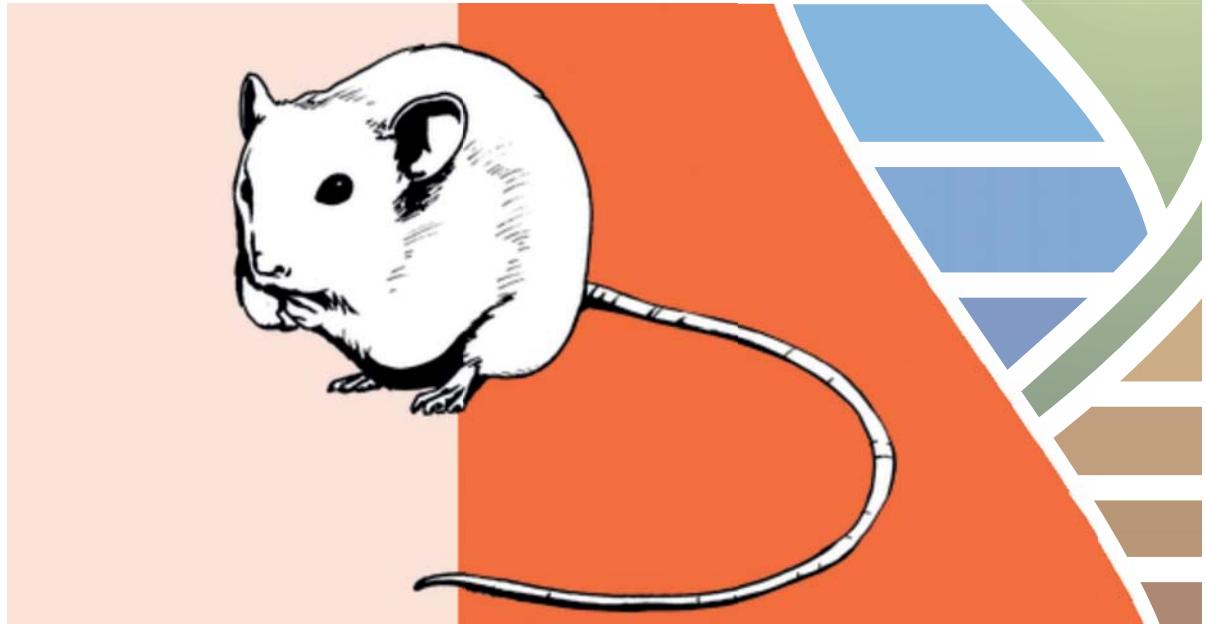
## Julius - Kühn - Archiv

Jens Jacob, Jana Eccard (Editors)

6<sup>th</sup> International Conference of Rodent  
Biology and Management  
and  
16<sup>th</sup> Rodens et Spatium

Potsdam, Germany, 3-7 September 2018

Book of Abstracts



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Bundesforschungsinstitut für Kulturpflanzen

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