

Supplement of Geosci. Model Dev., 12, 525–539, 2019  
<https://doi.org/10.5194/gmd-12-525-2019-supplement>  
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*Supplement of*

## **Computing climate-smart urban land use with the Integrated Urban Complexity model (IUCm 1.0)**

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| <b>DOI &amp; link to movie</b>  | <b>Movie caption</b>  |
|---|---|
| <a href="https://doi.org/10.5446/35429">https://doi.org/10.5446/35429</a> | Movie S1. Evolution of the application of growth to Frankfurt, with a probabilistic model setting, showing how it would growth 58,000 inhabitants, in steps of 1,000 inhabitants.   |
| <a href="https://doi.org/10.5446/35430">https://doi.org/10.5446/35430</a> | Movie S2. Evolution of the transformation of the idealized example of a polycentric city, with a probabilistic model setting, showing its transformation until 1M inhabitants would be moved, in steps of 1,000 inhabitants.  |
| <a href="https://doi.org/10.5446/35431">https://doi.org/10.5446/35431</a> | Movie S3. Evolution of the transformation of the idealized example of a monocentric city, with a probabilistic model setting, showing its transformation until 1M inhabitants would be moved, in steps of 1,000 inhabitants.  |
| <a href="https://doi.org/10.5446/35432">https://doi.org/10.5446/35432</a> | Movie S4. Evolution of the transformation of the idealized example of a high density city, with a probabilistic model setting, showing its transformation until 1M inhabitants would be moved, in steps of 1,000 inhabitants. |