# License Agreement and Order Form regarding the use of the Global Urban Footprint (GUF) data product

Hereby a license for the use of GUF is made available for the public free of charge, but only for non-commercial and scientific purposes. A license for commercial use of GUF is not included therewith.

If Licensee is interested in a commercial use of the GUF he has to contact

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## License terms and rights of use:

1. Definitions

   a) GUF is a data product generated from a global coverage of the Earth surface with TerraSAR-X/TanDEM-X radar data in 3m ground resolution (spotlight mode). It is available in high resolution of 0.4 arcseconds (12 meters) and reduced resolution of 2.8 arcseconds (84 meters).

   b) Commercial use is marketing, especially the sale of GUF or products generated or derived by GUF for the purpose of receiving a fee/remuneration. Each use of GUF or products generated or derived by GUF is deemed to be a commercial use as far as the use is not free of charge.

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   This license does not grant any commercial use of GUF or products generated or derived by GUF.

3. Before downloading GUF the intended use (scientific or non-commercial) has to be stated in the order form section of this document. The granted license is only valid for the purpose stated in the order form.

4. The use of GUF is only allowed for the purpose stated in the order form. The transfer of GUF to third parties as well as publication of the original data is strictly forbidden. In case of cooperation of the Licensee with a third party and planned use of the original data by this cooperation partner that partner also has to register in the order form for the License for the use of GUF. The Licensee commits himself to grant any kind of access to the provided GUF only to its own employees.

5. In the event of any unauthorised use of GUF or products generated or derived by GUF, for example the use of GUF for other purposes than stated in the order form, the license is deemed not to have been given.

6. The Licensee agrees to the storing and request of the user registration data by DLR-DFD. DLR assures that it will treat these data confidentially.

7. The Licensee assures to reference to the following information in publications which are based on the provided GUF:
8.

   When using GUF: Global Urban Footprint (GUF); DLR 2016.

   In the context of scientific publications shall be referenced to the following publications:

   Esch, T.; Bachofer, F.; Heldens, W.; Hirner, A.; Marconcini, M.; Palacios-Lopez, D.; Roth, A.; Üreyen, S.; Zeidler, J.; Dech, S., et al. (2018): Where we live—a summary of the achievements and planned evolution of the global urban footprint. Remote Sensing 2018, 10. http://dx.doi.org/10.3390/rs10060895.

   Esch, T., Heldens, W., Hirner, A., Keil, M., Marconcini, M., Roth, A., Zeidler, J., Dech, S., Strano, E. (2017): Breaking new ground in mapping human settlements from space – The Global Urban Footprint. ISPRS Journal of Photogrammetry and Remote Sensing 134 (2017) 30-42. https://doi.org/10.1016/j.isprsjprs.2017.10.012

   Esch, T., Schenk, A., Ullmann, T., Thiel, M., Roth, A., Dech, S. (2011): Characterization of Land Cover Types in TerraSAR-X Images by Combined Analysis of Speckle Statistics and Intensity Information. IEEE Transactions on Geoscience and Remote Sensing, Volume 49, Issue 6, pp. 1911-1925. https://doi.org/10.1109/TGRS.2010.2091644.

## Liability / Warranty:

1. GUF is provided without any warranty.

2. The Licensee is liable to DLR for all damages, regardless of the legal reasons, caused through intent or negligence.

3. DLR may not be obliged to third parties by this Agreement. DLR only accepts liability for damages in the case of intentional or grossly negligent conduct. DLR's liability for negligence is limited to the foreseeable damage typically occurring with contracts of that kind. Liability for further damages is excluded. The Licensee indemnifies DLR in full against any claims by damaged third parties.

## I have read the licence agreement

Institution: _____
Department: _____

☐ I authorise DLR to store my name and email address in order to receive updates and notificationsregarding the GUF product. The information provided will be exclusively used for this purpose.

Name: _____
Email: _____

## Order Form:

**1. Type of company / institution / department**

*Tick all boxes that apply.*

☐ International institution
☐ European institution
☐ University/ research institute
☐ Public authority / governmental organization
☐ NGO
☐ Private company
☐ Other: _____

**2. Is the intended use of the GUF scientific or non-commercial?**

☐ Scientific ☐ Non-commercial

**3. What is the intended use of the GUF?**

*Tick all boxes that apply.*

☐ Spatial reference for other data (e.g. statistical information)
☐ Spatial analysis
☐ Input for further analyses (e.g. modelling)
☐ Maps / pictures production
☐ Other:_____

**4. Fields of application - in which of the following applications will the GUF be used?**

*Tick all boxes that apply.*

**General applications:**

☐ Biodiversity
☐ Civil security
☐ Climate modelling
☐ Disease modeling, Health care
☐ Ecosystems /Environmental protection
☐ Education
☐ Geo-risks and hazards
☐ Global change
☐ Infrastructure planning
Transport, Energy, Water management, etc.
☐ Land use and land use change
☐ Policy
☐ Population estimation
☐ Rural development
☐ Tourism
☐ Urban growth/urban sprawl
☐ Urban/Regional/Spatial planning

**City-specific applications**

☐ Green cities
Low carbon city development (CC mitigation), Urban environment, Solid waste management, Urban pollution & environmental health, Transport

☐ Inclusive cities
Slum upgrading, Urban poverty, Access to services, Participatory planning, Urban crime & violence, Socio-economic inclusion

☐ Resilient cities
Multi-dimension resilience, Climate risk, Disaster risk, Economic shock, Social conflict

☐ Competitive cities
National urban policies, Regional econ development, Local economic development (jobs, investments), Municipal land & real estate asset management

☐ Systems & governance
City systems & data (info management, governance, smart city), Land use/ integrated territorial planning, Finance (economy development, infrastructure), Land & housing markets

**Others:**

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