



## ILIAS self-study module, 6 credits

### Basics and application of Geographic Information Systems in Life Sciences (M.Forst.739)

The **bilingual** ILIAS self-study module (German/English) teaches basic knowledge of geographic information systems (in the course: QGIS) and is completed with an e-exam. Knowledge is imparted by means of explanatory texts and video sequences. During the lecture period, several consultation hours are offered each week to support self-organised learning.

The following content is covered:

- 1) Creation and administration of GIS projects,
- 2) Data formats and management (raster/vector data),
- 3) Data sources and generation (digitisation, mobile GIS),
- 4) Handling and working with vector attribute data,
- 5) spatial analysis of vector and raster data,
- 6) coordinate reference systems,
- 7) Symbology options for vector and raster data,
- 8) Creating scientific maps and map series

The learning module is designed for students from the disciplines of **forestry**, **agriculture** and **biology** and is credited in many degree programmes in these fields.

Please **register** for the course via **StudIP** (event number [869715](#)). If you have any questions, please contact Dr Inga Schmiedel ([inga.schmiedel@biologie.uni-goettingen.de](mailto:inga.schmiedel@biologie.uni-goettingen.de)).