**Internship Position 2 – GIS for Hedes in Rural India**

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| Title | GIS for Hedges in Rural India |
| Contact person + contact details | Meghna Mukherjee (Meghna.mukherjee@gopa.eu) |
| Internship or Thesis | Internship (with option to link to Master’s thesis in consultation with university and MetaMeta) |
| Short intro on scope of the internship | The internship will be part of the project ‘Agricultural Transition to Productive Biodiversity’ funded by RVO. Promotion and revival of hedges is one of the interventions which is proposed for the transition to a sustainable and biodiverse agricultural system. In this internship, you will support MetaMeta’s work on hedges in rural Indian landscapes through GIS and remote sensing analysis. You will map hedge distribution and health using satellite and drone imagery, explore their interactions with soil, water, and crops, and assess opportunities for restoration. You will also contribute to a scoping study on the potential of advanced datasets (LiDAR, IRRIwatch, Hydrosat) for monitoring hedges and related ecosystem services. |
| Background ideally needed | Environmental sciences, geoinformation science, remote sensing, forestry/agroforestry, or another relevant program. |
| Skills ideally needed | * Familiarity with GIS and remote sensing software (e.g. QGIS, ArcGIS, Google Earth Engine).
* Experience with geospatial analysis in Python or R is a plus.
* Interest in agroforestry, ecosystem services, and rural landscapes.
* Ability to work independently and manage spatial datasets.
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| Resources on the topic | Open-source satellite imagery (Sentinel-2, Landsat), global datasets (DEM, soil moisture, rainfall), and project reports. |
| Timing | As soon as possible. |
| Location | Wageningen (the Netherlands)Possibly including visit to India (to be discussed)Remote work to be discussed. |