**Figures:**

*Fig. 1: Citizen science sampling kit, including vials for sediments and water samples, syringe, thermometer, pH- measuring paper, gloves, a pencil, logbook, questionnaire on illumination and instruction manual.*

*Fig. 2: Image of the interactive map, in which citizens registered the sampling locations. Blue and orange points indicate the number of single sample sites. The orange pins indicate registered sampling sites, when the kits were returned the pin turned to yellow.*

*Fig. 3: Location of sampling sites incorporated in a map of Visible Infrared Imaging Radiometer Suit (VIIRS) day/night band (DNB) sensor data from 0.0 to >52.9 nW/cm²sr, ranked in 8 categories and indicated with different colours. Sample sites without any artificial light source in visible distance are indicated with green, with artificial light sources in visible distance with yellow.*

*Fig. 4: Distribution of sampling sites in areas with variable upward radiation measured by the VIIRS-DNB in November 2015 and recorded distance to the next visible light source.*