



## *Supplement of*

# **Using Shapley additive explanations to interpret extreme gradient boosting predictions of grassland degradation in Xilingol, China**

**Ralf Wieland et al.**

*Correspondence to:* Batunacun (batunacun@zalf.de)

- gmd-14-1493-2021-supplement-title-page.pdf
- Fig. S1 Grassland degradation between 1975 and 2015.tif
- Fig. S2 Assumptions on policy effect in the policy scenario setting..tif
- Fig. S3 Data organisation and the four sampling strategies used in this study.tif
- Fig. S4 The workflow of the machine learning process in this study.tif
- Fig. S5 Values obtained for  $a_1$ , recall and ACC using the recursive elimination method.pdf
- Fig. S6 Maps of prediction results with top four drivers in Figure 5 and observed values.tif
- Fig. S7 The number of pixels in which a driver is dominant. This analysis is limited to only the primary drivers.pdf
- Fig. S8 Under-sampling simulation results for different sampling size.pdf

The copyright of individual parts of the supplement might differ from the article licence.