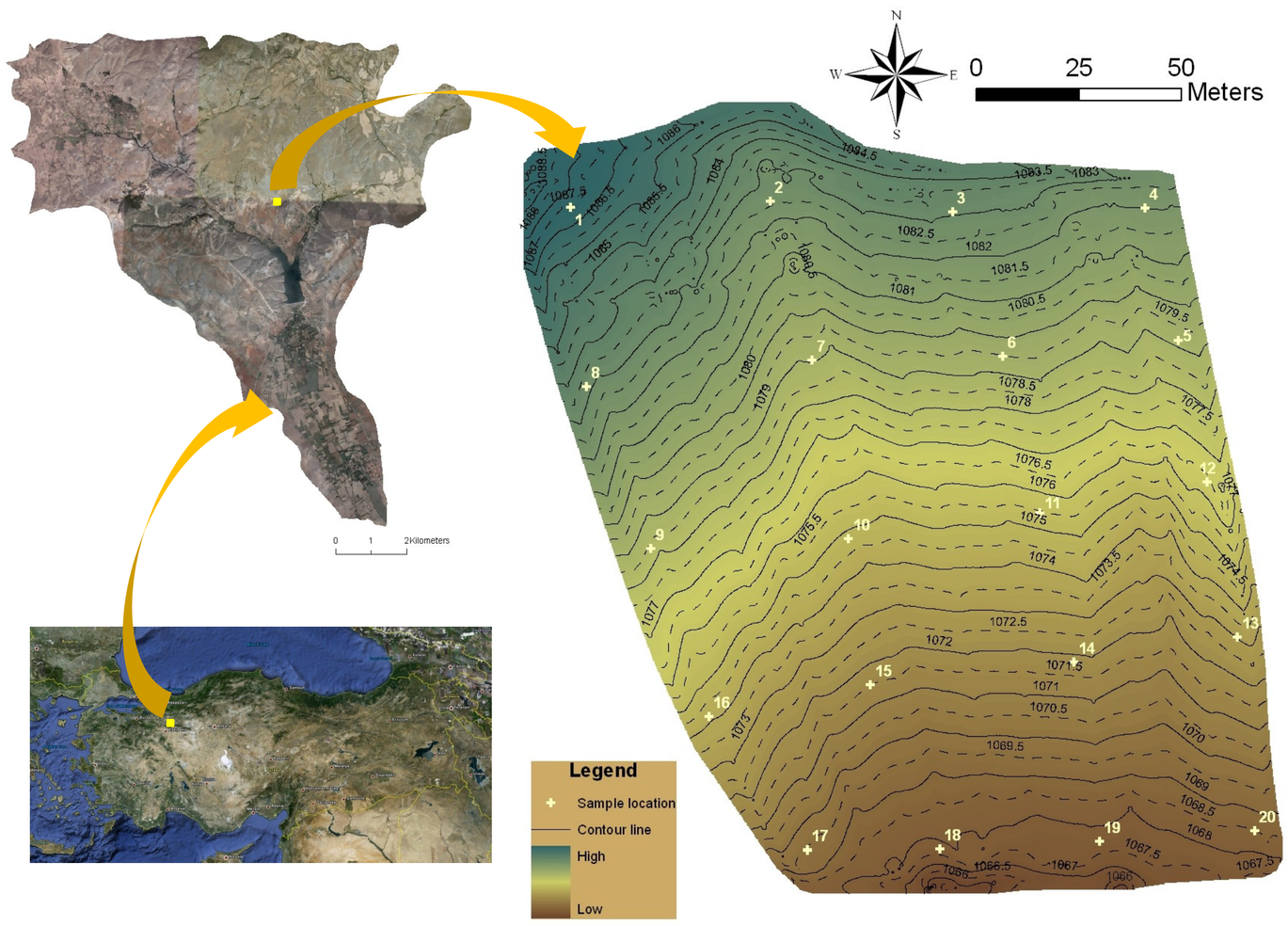
A global initiative to combat desertification

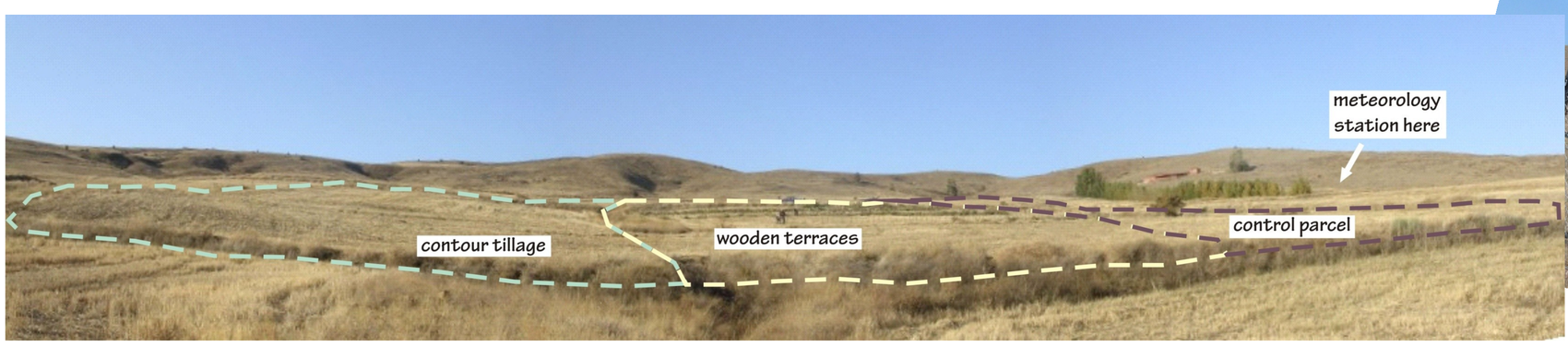
Implementation of selected technologies in Eskişehir study site, TURKEY

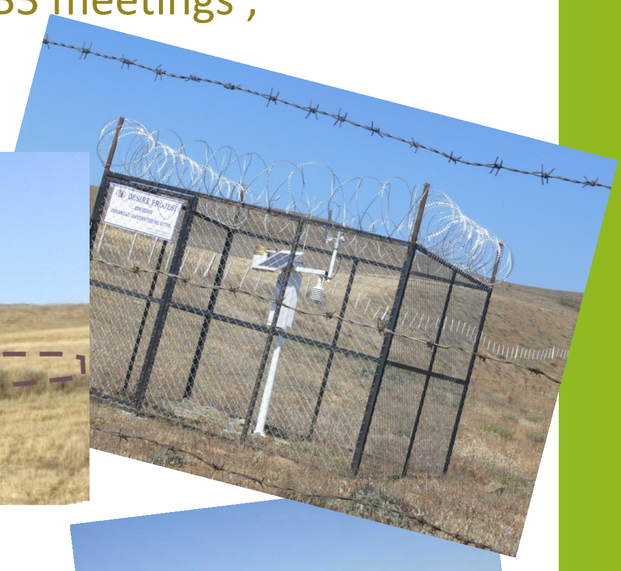
Since the area is situated in the mountainous northern part of the Eskisehir study site where **slope gradients (% 10)** and **precipitation (400 mm/yr) are relatively high** compared to elsewhere, our basic goal here will be decreasing water erosion. Due to the long-lasting nature of this problem together with non-existence of any previous prevention initiative, **soil profiles are thin**, **stoniness is high** and **organic matter content is low**. Dry-farming fields in vicinity are exhibiting severe rill erosion which has been facilitated by further wrong practices such as slope parallel and abnormally deep ploughing.



Two technologies are being implemented in the SIP area due to outcomes of WB3 meetings ;

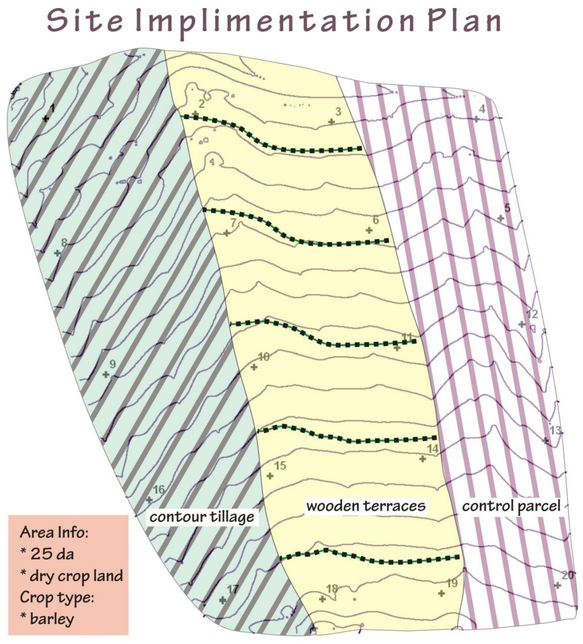
1. Contour tillage
2. Wooden terraces with soil bunds





Achivements done;

- **Soil sampling (20 samples)**
- **Soil analysis (elemental, organic matter, pH, EC, texture)**
- **Soil thickness**
- **Soil stoniness**
- **Installation of meteorology station**
- **Construction of wooden terraces**
- **Construction of 4 check dams on the gully**
- Ploughing and seeding (to be done in 15 days)



Future Monioring;

- Regular soil surface assessment
- Crop charectaristics
- Malch cover fraction
- Erosion features
- Repeated soil moisture, EC and temperature measurements
- Empty sediment tank measurements
- Malch cover fraction
- Agronomic measurements
- Yield assessment

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➜ This project has been funded by the European Commission DG Research-Environment Programme, Unit of Management of Natural Resources
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