

Service ID S00060

Location Poland



Testbed preparation

Provider service

Lukasiewicz - Poznanski Instytut Technologiczny

Link to content

<https://agrifoodtef.eu/services/testbed-preparation>

Type of Sector

Arable farming, Horticulture

Accepted type of products

Data, Physical system, Software or AI model

Type of service

AI model training, Test design, Test setup, Test execution

Description

Testbed preparation will enable costumers to execute physical tests of their technology/machines/algorithms in line with their expectations. Within this service, costumers might get a well prepared flat/slopped arable lands or permanent grasslands. We can also prepare a land with "controlled rain conditions" or a dump ground. There is also a possibility of providing and preparation of apiary or a sprinkler for software testing. We can help costumers run physical experiments by preparing a cultivated/non-cultivated fields or run tests on test plots, specially designed for testing. Within the latter, we will take care of such elements like: soil preparation, seed/plant procurement, seeding/planting, plant growth management, preparation of technical infrastructure. All this to meet your needs to ensure optimal conditions for conducting and monitoring tests. This service can be executed in fields with various area with system of weather stations, phenological stations and ICT infrastructure. We can also prepare costumers sets of data collected for these areas like archive cultivated plants, treatments, crops, etc.

How can the service help you

If you have a robot or an algorithm and you want to validate it in “real-conditions” (like in everyday farmer’s work, on the field, with a desired kind of crops), this service is what you are looking for.

You will be able to collect data and notice eventual mistakes and which elements can be improved.

How the service will be delivered

This service can also be customised: within it, a desirable - from the customer’s point of view - kind of crop/area can be set up.

Service customisation

The service is delivered in Wielkopolska region, Mostly in Sielinko.

It is a WODR’s Exhibition and Training Center with 72h of fields with various soil grades: III (25ha), IV (37ha), V (8ha), VI (2ha).

The service can be also executed in farms (100+) in the region WODR has a well established cooperation with.

These farms are demonstration farms with various types of plant and animal production, where various cultivation practices are applied in order to adapt to changing climate conditions, to ensure compliance with European and national regulations. The facilities are available all year round, unless your service request depends on vegetation period.