

JORDPLAN

FAIRWAY partner: Ingrid Nesheim, Caroline Enge (NIVA, NO)



Brief description

Jordplan is an online information system and tool for area planning, documenting soil samples, growth, fertilizing, liming, environmental plans and more. The program is built on open source components and uses open protocols. It provides information such as orthophotos, soil maps, need for drainage and water sources. Farmers can save historical data, order soil samples through the platform and share data with others such as agricultural advisors. Can be used for both agriculture and forestry.

Contaminants covered (e.g. nitrate, pesticides etc.)

N, P, K as part of the fertilizer planning.
Can store any contaminants discovered in soil samples, though this is rare.
Documents the spread of lime and sludge.

Intended end users (e.g. farmer, water quality manager, policy maker)

Farmers, agricultural advisors.

Level of expertise and/or training required

Farmers and agricultural advisors (courses available)

Geographical resolution (e.g. field, catchment, national)

Field

Temporal resolution (e.g. daily, annual, long-term).

Full timestamps (daily)

Real-time component (e.g. live weather data, soil moisture data feeds etc.)

No

Number and type of mitigation measures included

N and P balance, soil samples and mapping for statistics, drainage, liming.

Platform (e.g. paper-based tool, phone app, bespoke software).

Online platform, smartphone app.

Frequency of updates

Continuously updated.

Cost/availability

Free 30 days trial. Different subscription plans, also a free version available.
Full version 750 NOK/year (Excl. VAT)

Number of users or number of copies distributed/downloaded/purchased

Approx. 2000 users (2020)

Links to demo material and other relevant information (e.g. user guides).

https://jordplan.no/drupal/sites/default/files/dokumentasjon_jordplan.pdf
<http://jordplan.blogspot.com/>
<https://www.facebook.com/Jordplan/>

Additional comments

The system is based on open source components and open standards such as GeoJSON. Users are encouraged to upload photos of problems and measures with location, date and comments.

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Input data required to run the DST	Farm/property number and organization number to guide the starting maps. Information on land use (crops), yield and planned use of areas, soil type (soil samples can be ordered and registered through the system).
Outputs (including links to water quality and economic or financial aspects)	Needed CaO/liming to achieve optimal pH-levels Optimal fertilization rates Crop plan Soil mapping / statistics Documentation of slurry use, drainage and farming activities. Maps showing nematode abundance Maps of areas exposed to erosion (currently available in one county)
Age/provenance of supporting data used to develop the DST	DST is based on open source map services: PostGIS (2001), GeoServer (2001)
Country-specific calibration or data requirements (including restrictions on use)	Map services can be used in all of Europe, based on international standards.
Details of validation and testing	Information unavailable
Date developed/released (or planned release date)	Early version released in 2011, official launch march 2012.
Author/developer names and affiliations	Eurofins, Miljøkalk, Gartnerhallen, Norsk Landbruksrådgivning.
Member state(s) where developed	Norway
Member State(s) where currently used	Norway
Key publication references (including url)	https://jordplan.no/

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Any other useful information (e.g. screenshots of DST input/outputs)



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Jordplan AS Productivity

★★★★★ 7

PEGI 3

⚠ You don't have any devices

➕ Add to wishlist

Install



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FRA*	12:30
TIL*	14:15
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